

**WUG POPULATION**

| REGION L                                  | WUG POPULATION |               |               |               |               |               |
|-------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                           | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>ATASCOSA COUNTY</b>                    |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                       |                |               |               |               |               |               |
| BENTON CITY WSC                           | 8,157          | 9,426         | 10,583        | 11,712        | 12,772        | 13,759        |
| CHARLOTTE                                 | 2,008          | 2,321         | 2,605         | 2,883         | 3,144         | 3,387         |
| JOURDANTON                                | 4,532          | 5,237         | 5,880         | 6,506         | 7,096         | 7,644         |
| LYTLE                                     | 2,339          | 2,703         | 3,035         | 3,358         | 3,663         | 3,946         |
| MCCOY WSC                                 | 7,305          | 8,442         | 9,478         | 10,488        | 11,439        | 12,321        |
| PLEASANTON                                | 10,459         | 12,086        | 13,569        | 15,016        | 16,377        | 17,641        |
| POTEET                                    | 3,817          | 4,411         | 4,952         | 5,480         | 5,976         | 6,437         |
| SAN ANTONIO WATER SYSTEM                  | 5,772          | 6,670         | 7,488         | 8,286         | 9,037         | 9,735         |
| COUNTY-OTHER                              | 6,592          | 7,618         | 8,553         | 9,464         | 10,325        | 11,119        |
| <b>NUECES BASIN TOTAL POPULATION</b>      | <b>50,981</b>  | <b>58,914</b> | <b>66,143</b> | <b>73,193</b> | <b>79,829</b> | <b>85,989</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |               |               |               |               |               |
| BENTON CITY WSC                           | 1,008          | 1,165         | 1,308         | 1,447         | 1,579         | 1,700         |
| COUNTY-OTHER                              | 585            | 676           | 759           | 841           | 916           | 987           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b> | <b>1,593</b>   | <b>1,841</b>  | <b>2,067</b>  | <b>2,288</b>  | <b>2,495</b>  | <b>2,687</b>  |
| <b>ATASCOSA COUNTY TOTAL POPULATION</b>   | <b>52,574</b>  | <b>60,755</b> | <b>68,210</b> | <b>75,481</b> | <b>82,324</b> | <b>88,676</b> |
| <b>BEXAR COUNTY</b>                       |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                       |                |               |               |               |               |               |
| ATASCOSA RURAL WSC                        | 687            | 829           | 960           | 1,086         | 1,201         | 1,307         |
| LYTLE                                     | 56             | 75            | 92            | 109           | 124           | 138           |
| COUNTY-OTHER                              | 8,037          | 9,022         | 9,926         | 10,795        | 11,593        | 12,320        |
| <b>NUECES BASIN TOTAL POPULATION</b>      | <b>8,780</b>   | <b>9,926</b>  | <b>10,978</b> | <b>11,990</b> | <b>12,918</b> | <b>13,765</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |               |               |               |               |               |
| ALAMO HEIGHTS                             | 8,095          | 8,423         | 8,423         | 8,423         | 8,423         | 8,423         |
| ATASCOSA RURAL WSC                        | 11,898         | 14,365        | 16,632        | 18,810        | 20,809        | 22,632        |
| BALCONES HEIGHTS                          | 3,386          | 3,828         | 4,234         | 4,624         | 4,982         | 5,308         |
| CASTLE HILLS                              | 4,739          | 4,739         | 4,739         | 4,739         | 4,739         | 4,739         |
| CHINA GROVE                               | 1,358          | 1,535         | 1,698         | 1,854         | 1,997         | 2,128         |
| CONVERSE                                  | 23,289         | 25,936        | 28,193        | 28,193        | 28,193        | 28,193        |
| EAST CENTRAL SUD                          | 9,626          | 10,731        | 11,747        | 12,723        | 13,619        | 14,437        |
| ELMENDORF                                 | 2,131          | 2,781         | 3,379         | 3,953         | 4,480         | 4,961         |
| FAIR OAKS RANCH                           | 4,959          | 5,286         | 5,446         | 5,387         | 5,642         | 5,874         |
| GREEN VALLEY SUD                          | 3,179          | 3,594         | 3,975         | 4,341         | 4,677         | 4,983         |
| HELOTES                                   | 9,803          | 12,249        | 14,497        | 16,657        | 18,639        | 20,447        |
| HILL COUNTRY VILLAGE                      | 1,028          | 1,028         | 1,028         | 1,028         | 1,028         | 1,028         |
| HOLLYWOOD PARK                            | 3,126          | 3,190         | 3,249         | 3,305         | 3,357         | 3,404         |
| KIRBY                                     | 9,210          | 10,411        | 10,494        | 10,495        | 10,495        | 10,495        |
| LACKLAND AFB                              | 9,918          | 9,918         | 9,918         | 9,918         | 9,918         | 9,918         |
| LEON VALLEY                               | 10,886         | 11,616        | 12,287        | 12,932        | 13,524        | 14,064        |
| LIVE OAK                                  | 15,117         | 15,480        | 15,480        | 15,480        | 15,480        | 15,480        |
| OLMOS PARK                                | 2,576          | 2,912         | 3,220         | 3,517         | 3,789         | 4,038         |
| RANDOLPH AFB                              | 1,429          | 1,615         | 1,787         | 1,951         | 2,102         | 2,240         |

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|                                           | 2020             | 2030             | 2040             | 2050             | 2060             | 2070             |
| <b>BEXAR COUNTY</b>                       |                  |                  |                  |                  |                  |                  |
| <b>SAN ANTONIO BASIN</b>                  |                  |                  |                  |                  |                  |                  |
| SAN ANTONIO                               | 1,528,077        | 1,727,411        | 1,910,640        | 2,086,678        | 2,248,192        | 2,395,583        |
| SAN ANTONIO WATER SYSTEM                  | 227,729          | 257,436          | 284,742          | 310,977          | 335,047          | 357,013          |
| SCHERTZ                                   | 1,485            | 1,866            | 2,347            | 2,859            | 3,473            | 4,035            |
| SELMA                                     | 4,777            | 5,400            | 5,973            | 6,523            | 7,028            | 7,488            |
| SHAVANO PARK                              | 3,494            | 3,950            | 4,369            | 4,772            | 5,141            | 5,478            |
| SOMERSET                                  | 1,878            | 2,123            | 2,348            | 2,564            | 2,763            | 2,944            |
| ST. HEDWIG                                | 2,411            | 2,726            | 3,015            | 3,292            | 3,547            | 3,780            |
| TERRELL HILLS                             | 5,616            | 5,616            | 5,616            | 5,616            | 5,616            | 5,616            |
| THE OAKS WSC                              | 2,114            | 2,519            | 2,892            | 3,250            | 3,579            | 3,879            |
| UNIVERSAL CITY                            | 21,332           | 21,970           | 21,970           | 21,970           | 21,970           | 21,970           |
| VON ORMY                                  | 1,250            | 1,412            | 1,562            | 1,706            | 1,838            | 1,959            |
| WATER SERVICES INC                        | 4,102            | 4,587            | 5,032            | 5,460            | 5,853            | 6,211            |
| WINDCREST                                 | 5,573            | 5,781            | 5,972            | 6,156            | 6,324            | 6,478            |
| COUNTY-OTHER                              | 19,670           | 29,190           | 40,372           | 53,525           | 65,137           | 75,735           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b> | <b>1,965,261</b> | <b>2,221,624</b> | <b>2,457,276</b> | <b>2,683,678</b> | <b>2,891,401</b> | <b>3,080,961</b> |
| <b>BEXAR COUNTY TOTAL POPULATION</b>      | <b>1,974,041</b> | <b>2,231,550</b> | <b>2,468,254</b> | <b>2,695,668</b> | <b>2,904,319</b> | <b>3,094,726</b> |
| <b>CALDWELL COUNTY</b>                    |                  |                  |                  |                  |                  |                  |
| <b>COLORADO BASIN</b>                     |                  |                  |                  |                  |                  |                  |
| AQUA WSC                                  | 260              | 318              | 375              | 432              | 489              | 545              |
| CREEDMOOR-MAHA WSC                        | 1,021            | 1,249            | 1,476            | 1,699            | 1,926            | 2,144            |
| MUSTANG RIDGE                             | 514              | 629              | 743              | 855              | 969              | 1,079            |
| POLONIA WSC                               | 2,269            | 2,776            | 3,278            | 3,774            | 4,275            | 4,763            |
| COUNTY-OTHER                              | 426              | 524              | 619              | 713              | 807              | 901              |
| <b>COLORADO BASIN TOTAL POPULATION</b>    | <b>4,490</b>     | <b>5,496</b>     | <b>6,491</b>     | <b>7,473</b>     | <b>8,466</b>     | <b>9,432</b>     |
| <b>GUADALUPE BASIN</b>                    |                  |                  |                  |                  |                  |                  |
| AQUA WSC                                  | 1,470            | 1,800            | 2,126            | 2,447            | 2,773            | 3,089            |
| COUNTY LINE WSC                           | 1,173            | 1,436            | 1,695            | 1,952            | 2,212            | 2,464            |
| CREEDMOOR-MAHA WSC                        | 260              | 320              | 377              | 434              | 491              | 548              |
| GOFORTH SUD                               | 377              | 462              | 546              | 628              | 712              | 793              |
| GONZALES COUNTY WSC                       | 182              | 223              | 264              | 304              | 344              | 383              |
| LOCKHART                                  | 15,680           | 19,198           | 22,668           | 26,100           | 29,568           | 32,942           |
| LULING                                    | 6,658            | 8,152            | 9,625            | 11,083           | 12,555           | 13,988           |
| MARTINDALE                                | 1,378            | 1,687            | 1,992            | 2,293            | 2,598            | 2,895            |
| MAXWELL WSC                               | 4,070            | 4,983            | 5,883            | 6,774            | 7,674            | 8,550            |
| MUSTANG RIDGE                             | 13               | 16               | 19               | 22               | 25               | 28               |
| NIEDERWALD                                | 160              | 196              | 232              | 267              | 302              | 337              |
| POLONIA WSC                               | 4,813            | 5,894            | 6,960            | 8,014            | 9,079            | 10,115           |
| SAN MARCOS                                | 9                | 15               | 21               | 27               | 33               | 39               |
| UHLAND                                    | 614              | 752              | 889              | 1,023            | 1,159            | 1,291            |

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|--------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                  | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>CALDWELL COUNTY</b>                           |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| COUNTY-OTHER                                     | 5,661          | 6,923          | 8,167          | 9,402          | 10,648         | 11,860         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>42,518</b>  | <b>52,057</b>  | <b>61,464</b>  | <b>70,770</b>  | <b>80,173</b>  | <b>89,322</b>  |
| <b>CALDWELL COUNTY TOTAL POPULATION</b>          | <b>47,008</b>  | <b>57,553</b>  | <b>67,955</b>  | <b>78,243</b>  | <b>88,639</b>  | <b>98,754</b>  |
| <b>CALHOUN COUNTY</b>                            |                |                |                |                |                |                |
| <b>COLORADO-LAVACA BASIN</b>                     |                |                |                |                |                |                |
| POINT COMFORT                                    | 829            | 927            | 1,022          | 1,113          | 1,204          | 1,292          |
| COUNTY-OTHER                                     | 802            | 896            | 988            | 1,077          | 1,165          | 1,249          |
| <b>COLORADO-LAVACA BASIN TOTAL POPULATION</b>    | <b>1,631</b>   | <b>1,823</b>   | <b>2,010</b>   | <b>2,190</b>   | <b>2,369</b>   | <b>2,541</b>   |
| <b>LAVACA-GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| CALHOUN COUNTY WS                                | 4,401          | 4,919          | 5,423          | 5,909          | 6,390          | 6,857          |
| PORT LAVACA                                      | 13,770         | 15,391         | 16,969         | 18,490         | 19,996         | 21,456         |
| PORT O'CONNOR MUD                                | 1,409          | 1,575          | 1,736          | 1,892          | 2,046          | 2,195          |
| SEADRIFT                                         | 1,534          | 1,714          | 1,890          | 2,060          | 2,227          | 2,390          |
| COUNTY-OTHER                                     | 1,214          | 1,357          | 1,498          | 1,630          | 1,765          | 1,893          |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b>   | <b>22,328</b>  | <b>24,956</b>  | <b>27,516</b>  | <b>29,981</b>  | <b>32,424</b>  | <b>34,791</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>                  |                |                |                |                |                |                |
| COUNTY-OTHER                                     | 78             | 87             | 96             | 105            | 113            | 122            |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>78</b>      | <b>87</b>      | <b>96</b>      | <b>105</b>     | <b>113</b>     | <b>122</b>     |
| <b>CALHOUN COUNTY TOTAL POPULATION</b>           | <b>24,037</b>  | <b>26,866</b>  | <b>29,622</b>  | <b>32,276</b>  | <b>34,906</b>  | <b>37,454</b>  |
| <b>COMAL COUNTY</b>                              |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| BULVERDE                                         | 56             | 66             | 77             | 88             | 99             | 110            |
| CANYON LAKE WATER SERVICE COMPANY                | 24,848         | 35,043         | 45,401         | 55,857         | 66,241         | 76,210         |
| CRYSTAL CLEAR WSC                                | 2,087          | 2,404          | 2,726          | 3,051          | 3,373          | 3,683          |
| GARDEN RIDGE                                     | 3,017          | 4,103          | 5,205          | 6,318          | 7,424          | 8,485          |
| GREEN VALLEY SUD                                 | 355            | 450            | 547            | 644            | 741            | 833            |
| NEW BRAUNFELS                                    | 60,609         | 75,734         | 91,096         | 106,606        | 122,011        | 136,799        |
| SAN ANTONIO WATER SYSTEM                         | 5,328          | 7,953          | 10,620         | 13,313         | 15,988         | 18,488         |
| SCHERTZ                                          | 1,531          | 2,490          | 3,741          | 5,200          | 7,011          | 8,845          |
| COUNTY-OTHER                                     | 23,390         | 23,788         | 23,846         | 23,933         | 23,544         | 23,254         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>121,221</b> | <b>152,031</b> | <b>183,259</b> | <b>215,010</b> | <b>246,432</b> | <b>276,707</b> |
| <b>SAN ANTONIO BASIN</b>                         |                |                |                |                |                |                |
| BULVERDE                                         | 5,497          | 6,559          | 7,637          | 8,725          | 9,806          | 10,843         |
| CANYON LAKE WATER SERVICE COMPANY                | 6,150          | 8,672          | 11,231         | 13,816         | 16,385         | 18,850         |
| FAIR OAKS RANCH                                  | 399            | 475            | 537            | 576            | 647            | 715            |
| GARDEN RIDGE                                     | 1,705          | 2,318          | 2,941          | 3,570          | 4,194          | 4,794          |
| SAN ANTONIO WATER SYSTEM                         | 4,565          | 6,816          | 9,101          | 11,408         | 13,699         | 15,966         |
| SCHERTZ                                          | 38             | 61             | 92             | 128            | 172            | 218            |

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|------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>COMAL COUNTY</b>                            |                |                |                |                |                |                |
| SAN ANTONIO BASIN                              |                |                |                |                |                |                |
| SELMA                                          | 18             | 23             | 27             | 32             | 37             | 42             |
| COUNTY-OTHER                                   | 1,232          | 1,444          | 1,737          | 1,827          | 1,990          | 1,964          |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>19,604</b>  | <b>26,368</b>  | <b>33,303</b>  | <b>40,082</b>  | <b>46,930</b>  | <b>53,392</b>  |
| <b>COMAL COUNTY TOTAL POPULATION</b>           | <b>140,825</b> | <b>178,399</b> | <b>216,562</b> | <b>255,092</b> | <b>293,362</b> | <b>330,099</b> |
| <b>DEWITT COUNTY</b>                           |                |                |                |                |                |                |
| GUADALUPE BASIN                                |                |                |                |                |                |                |
| CUERO                                          | 7,100          | 7,338          | 7,455          | 7,563          | 7,634          | 7,684          |
| GONZALES COUNTY WSC                            | 356            | 368            | 374            | 380            | 383            | 386            |
| YORKTOWN                                       | 2,171          | 2,244          | 2,280          | 2,313          | 2,335          | 2,350          |
| COUNTY-OTHER                                   | 7,166          | 7,406          | 7,525          | 7,633          | 7,705          | 7,755          |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>        | <b>16,793</b>  | <b>17,356</b>  | <b>17,634</b>  | <b>17,889</b>  | <b>18,057</b>  | <b>18,175</b>  |
| LAVACA BASIN                                   |                |                |                |                |                |                |
| YOAKUM                                         | 2,219          | 2,294          | 2,330          | 2,364          | 2,386          | 2,402          |
| COUNTY-OTHER                                   | 1,274          | 1,316          | 1,338          | 1,357          | 1,370          | 1,379          |
| <b>LAVACA BASIN TOTAL POPULATION</b>           | <b>3,493</b>   | <b>3,610</b>   | <b>3,668</b>   | <b>3,721</b>   | <b>3,756</b>   | <b>3,781</b>   |
| LAVACA-GUADALUPE BASIN                         |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 13             | 13             | 14             | 14             | 14             | 14             |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b> | <b>13</b>      | <b>13</b>      | <b>14</b>      | <b>14</b>      | <b>14</b>      | <b>14</b>      |
| SAN ANTONIO BASIN                              |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 556            | 576            | 584            | 592            | 598            | 602            |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>556</b>     | <b>576</b>     | <b>584</b>     | <b>592</b>     | <b>598</b>     | <b>602</b>     |
| <b>DEWITT COUNTY TOTAL POPULATION</b>          | <b>20,855</b>  | <b>21,555</b>  | <b>21,900</b>  | <b>22,216</b>  | <b>22,425</b>  | <b>22,572</b>  |
| <b>DIMITT COUNTY</b>                           |                |                |                |                |                |                |
| NUECES BASIN                                   |                |                |                |                |                |                |
| ASHERTON                                       | 1,180          | 1,272          | 1,332          | 1,391          | 1,437          | 1,474          |
| BIG WELLS                                      | 759            | 818            | 856            | 895            | 924            | 948            |
| CARRIZO SPRINGS                                | 5,841          | 6,297          | 6,592          | 6,888          | 7,114          | 7,296          |
| COUNTY-OTHER                                   | 3,071          | 3,313          | 3,468          | 3,623          | 3,742          | 3,837          |
| <b>NUECES BASIN TOTAL POPULATION</b>           | <b>10,851</b>  | <b>11,700</b>  | <b>12,248</b>  | <b>12,797</b>  | <b>13,217</b>  | <b>13,555</b>  |
| RIO GRANDE BASIN                               |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 24             | 25             | 27             | 28             | 29             | 30             |
| <b>RIO GRANDE BASIN TOTAL POPULATION</b>       | <b>24</b>      | <b>25</b>      | <b>27</b>      | <b>28</b>      | <b>29</b>      | <b>30</b>      |
| <b>DIMITT COUNTY TOTAL POPULATION</b>          | <b>10,875</b>  | <b>11,725</b>  | <b>12,275</b>  | <b>12,825</b>  | <b>13,246</b>  | <b>13,585</b>  |
| <b>FRIO COUNTY</b>                             |                |                |                |                |                |                |
| NUECES BASIN                                   |                |                |                |                |                |                |
| BENTON CITY WSC                                | 573            | 632            | 683            | 732            | 776            | 816            |
| DILLEY                                         | 4,340          | 4,783          | 5,168          | 5,539          | 5,874          | 6,176          |
| PEARSALL                                       | 10,192         | 11,233         | 12,137         | 13,009         | 13,795         | 14,505         |

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| <b>FRIO COUNTY</b>                               |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 4,081          | 4,496         | 4,858         | 5,208         | 5,522         | 5,807         |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>19,186</b>  | <b>21,144</b> | <b>22,846</b> | <b>24,488</b> | <b>25,967</b> | <b>27,304</b> |
| <b>FRIO COUNTY TOTAL POPULATION</b>              | <b>19,186</b>  | <b>21,144</b> | <b>22,846</b> | <b>24,488</b> | <b>25,967</b> | <b>27,304</b> |
| <b>GOLIAD COUNTY</b>                             |                |               |               |               |               |               |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 3,006          | 3,395         | 3,652         | 3,761         | 3,837         | 3,882         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>3,006</b>   | <b>3,395</b>  | <b>3,652</b>  | <b>3,761</b>  | <b>3,837</b>  | <b>3,882</b>  |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| GOLIAD                                           | 2,230          | 2,519         | 2,709         | 2,790         | 2,847         | 2,880         |
| COUNTY-OTHER                                     | 2,515          | 2,841         | 3,056         | 3,147         | 3,211         | 3,248         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>4,745</b>   | <b>5,360</b>  | <b>5,765</b>  | <b>5,937</b>  | <b>6,058</b>  | <b>6,128</b>  |
| SAN ANTONIO-NUECES BASIN                         |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 676            | 764           | 822           | 847           | 864           | 874           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>676</b>     | <b>764</b>    | <b>822</b>    | <b>847</b>    | <b>864</b>    | <b>874</b>    |
| <b>GOLIAD COUNTY TOTAL POPULATION</b>            | <b>8,427</b>   | <b>9,519</b>  | <b>10,239</b> | <b>10,545</b> | <b>10,759</b> | <b>10,884</b> |
| <b>GONZALES COUNTY</b>                           |                |               |               |               |               |               |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| GONZALES                                         | 7,948          | 8,741         | 9,487         | 10,352        | 11,231        | 12,151        |
| GONZALES COUNTY WSC                              | 6,264          | 6,889         | 7,477         | 8,159         | 8,852         | 9,578         |
| NIXON                                            | 2,612          | 2,872         | 3,118         | 3,402         | 3,691         | 3,993         |
| SMILEY                                           | 603            | 664           | 720           | 786           | 852           | 922           |
| WAEELDER                                         | 1,170          | 1,287         | 1,397         | 1,524         | 1,653         | 1,789         |
| COUNTY-OTHER                                     | 3,007          | 3,306         | 3,588         | 3,915         | 4,251         | 4,598         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>21,604</b>  | <b>23,759</b> | <b>25,787</b> | <b>28,138</b> | <b>30,530</b> | <b>33,031</b> |
| LAVACA BASIN                                     |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 147            | 162           | 176           | 192           | 208           | 225           |
| <b>LAVACA BASIN TOTAL POPULATION</b>             | <b>147</b>     | <b>162</b>    | <b>176</b>    | <b>192</b>    | <b>208</b>    | <b>225</b>    |
| <b>GONZALES COUNTY TOTAL POPULATION</b>          | <b>21,751</b>  | <b>23,921</b> | <b>25,963</b> | <b>28,330</b> | <b>30,738</b> | <b>33,256</b> |
| <b>GUADALUPE COUNTY</b>                          |                |               |               |               |               |               |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| CRYSTAL CLEAR WSC                                | 11,211         | 13,479        | 15,799        | 18,068        | 20,378        | 22,646        |
| GONZALES COUNTY WSC                              | 100            | 121           | 141           | 162           | 182           | 202           |
| GREEN VALLEY SUD                                 | 11,342         | 13,636        | 15,983        | 18,279        | 20,615        | 22,909        |
| LULING                                           | 24             | 28            | 33            | 38            | 43            | 47            |
| NEW BRAUNFELS                                    | 12,373         | 14,875        | 17,436        | 19,940        | 22,489        | 24,991        |
| SANTA CLARA                                      | 123            | 148           | 173           | 198           | 223           | 248           |
| SCHERTZ                                          | 2,962          | 3,958         | 4,657         | 5,342         | 6,036         | 6,716         |
| SEGUIN                                           | 30,675         | 36,879        | 43,227        | 49,436        | 55,756        | 61,960        |
| SPRINGS HILL WSC                                 | 14,564         | 17,510        | 20,524        | 23,472        | 26,472        | 29,418        |

**WUG POPULATION**

| REGION L                                  | WUG POPULATION |                |                |                |                |                |
|-------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                           | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>GUADALUPE COUNTY</b>                   |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| COUNTY-OTHER                              | 5,474          | 6,084          | 7,736          | 9,351          | 10,996         | 12,611         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>   | <b>88,848</b>  | <b>106,718</b> | <b>125,709</b> | <b>144,286</b> | <b>163,190</b> | <b>181,748</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |                |                |                |                |                |
| CIBOLO                                    | 37,000         | 54,800         | 64,234         | 73,459         | 82,849         | 92,069         |
| EAST CENTRAL SUD                          | 685            | 824            | 965            | 1,104          | 1,245          | 1,384          |
| GREEN VALLEY SUD                          | 8,280          | 9,955          | 11,669         | 13,345         | 15,051         | 16,726         |
| MARION                                    | 1,299          | 1,562          | 1,831          | 2,094          | 2,361          | 2,624          |
| NEW BERLIN                                | 623            | 749            | 878            | 1,004          | 1,132          | 1,258          |
| SANTA CLARA                               | 761            | 915            | 1,072          | 1,226          | 1,383          | 1,537          |
| SCHERTZ                                   | 37,067         | 49,524         | 58,269         | 66,841         | 75,534         | 84,043         |
| SELMA                                     | 2,274          | 5,012          | 5,012          | 5,012          | 5,012          | 5,012          |
| SPRINGS HILL WSC                          | 1,960          | 2,356          | 2,762          | 3,158          | 3,562          | 3,958          |
| WATER SERVICES INC                        | 247            | 296            | 347            | 397            | 448            | 498            |
| COUNTY-OTHER                              | 3,649          | 2,607          | 3,316          | 4,008          | 4,713          | 5,404          |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b> | <b>93,845</b>  | <b>128,600</b> | <b>150,355</b> | <b>171,648</b> | <b>193,290</b> | <b>214,513</b> |
| <b>GUADALUPE COUNTY TOTAL POPULATION</b>  | <b>182,693</b> | <b>235,318</b> | <b>276,064</b> | <b>315,934</b> | <b>356,480</b> | <b>396,261</b> |
| <b>HAYS COUNTY</b>                        |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| BUDA                                      | 1,658          | 2,184          | 2,826          | 3,627          | 4,533          | 5,564          |
| COUNTY LINE WSC                           | 2,601          | 3,427          | 4,433          | 5,691          | 7,112          | 8,730          |
| CREEDMOOR-MAHA WSC                        | 82             | 108            | 139            | 179            | 223            | 274            |
| CRYSTAL CLEAR WSC                         | 4,393          | 5,131          | 6,029          | 7,152          | 8,421          | 9,865          |
| GOFORTH SUD                               | 12,870         | 16,829         | 21,650         | 27,677         | 34,487         | 42,238         |
| KYLE                                      | 50,808         | 77,050         | 92,000         | 92,000         | 92,000         | 92,000         |
| MAXWELL WSC                               | 1,146          | 1,248          | 1,372          | 1,527          | 1,702          | 1,902          |
| MOUNTAIN CITY                             | 199            | 263            | 340            | 436            | 544            | 668            |
| NIEDERWALD                                | 601            | 792            | 1,025          | 1,315          | 1,643          | 2,017          |
| PLUM CREEK WATER COMPANY                  | 10,934         | 15,878         | 15,592         | 15,350         | 15,159         | 15,009         |
| SAN MARCOS                                | 71,108         | 84,803         | 101,138        | 120,621        | 143,859        | 171,575        |
| UHLAND                                    | 770            | 1,063          | 1,420          | 1,866          | 2,370          | 2,943          |
| WIMBERLEY                                 | 3,627          | 4,780          | 6,183          | 7,937          | 9,919          | 12,175         |
| WIMBERLEY WSC                             | 4,063          | 6,083          | 8,542          | 11,617         | 15,091         | 19,045         |
| WOODCREEK                                 | 1,641          | 1,853          | 2,111          | 2,434          | 2,798          | 3,213          |
| COUNTY-OTHER                              | 16,777         | 19,057         | 38,837         | 53,743         | 101,516        | 154,547        |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>   | <b>183,278</b> | <b>240,549</b> | <b>303,637</b> | <b>353,172</b> | <b>441,377</b> | <b>541,765</b> |
| <b>HAYS COUNTY TOTAL POPULATION</b>       | <b>183,278</b> | <b>240,549</b> | <b>303,637</b> | <b>353,172</b> | <b>441,377</b> | <b>541,765</b> |
| <b>KARNES COUNTY</b>                      |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| EL OSO WSC                                | 32             | 33             | 33             | 33             | 33             | 33             |
| COUNTY-OTHER                              | 89             | 91             | 92             | 92             | 92             | 92             |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>   | <b>121</b>     | <b>124</b>     | <b>125</b>     | <b>125</b>     | <b>125</b>     | <b>125</b>     |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |               |               |               |               |               |
|--------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                                  | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>KARNES COUNTY</b>                             |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| EL OSO WSC                                       | 90             | 93            | 93            | 93            | 93            | 93            |
| COUNTY-OTHER                                     | 76             | 80            | 79            | 79            | 79            | 79            |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>166</b>     | <b>173</b>    | <b>172</b>    | <b>172</b>    | <b>172</b>    | <b>172</b>    |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| EL OSO WSC                                       | 2,623          | 2,704         | 2,709         | 2,709         | 2,709         | 2,709         |
| FALLS CITY                                       | 638            | 657           | 659           | 659           | 659           | 659           |
| KARNES CITY                                      | 3,172          | 3,271         | 3,277         | 3,277         | 3,277         | 3,277         |
| KENEDY                                           | 3,437          | 3,544         | 3,551         | 3,551         | 3,551         | 3,551         |
| RUNGE                                            | 1,075          | 1,109         | 1,111         | 1,111         | 1,111         | 1,111         |
| SUNKO WSC                                        | 193            | 199           | 200           | 200           | 200           | 200           |
| COUNTY-OTHER                                     | 3,967          | 4,092         | 4,098         | 4,098         | 4,098         | 4,098         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>15,105</b>  | <b>15,576</b> | <b>15,605</b> | <b>15,605</b> | <b>15,605</b> | <b>15,605</b> |
| SAN ANTONIO-NUECES BASIN                         |                |               |               |               |               |               |
| EL OSO WSC                                       | 23             | 24            | 24            | 24            | 24            | 24            |
| COUNTY-OTHER                                     | 41             | 41            | 42            | 42            | 42            | 42            |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>64</b>      | <b>65</b>     | <b>66</b>     | <b>66</b>     | <b>66</b>     | <b>66</b>     |
| <b>KARNES COUNTY TOTAL POPULATION</b>            | <b>15,456</b>  | <b>15,938</b> | <b>15,968</b> | <b>15,968</b> | <b>15,968</b> | <b>15,968</b> |
| <b>KENDALL COUNTY</b>                            |                |               |               |               |               |               |
| COLORADO BASIN                                   |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 329            | 406           | 489           | 571           | 655           | 736           |
| <b>COLORADO BASIN TOTAL POPULATION</b>           | <b>329</b>     | <b>406</b>    | <b>489</b>    | <b>571</b>    | <b>655</b>    | <b>736</b>    |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| KENDALL COUNTY WCID #1                           | 3,190          | 3,750         | 4,341         | 4,927         | 5,525         | 6,112         |
| COUNTY-OTHER                                     | 13,000         | 16,289        | 19,764        | 23,208        | 26,724        | 30,175        |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>16,190</b>  | <b>20,039</b> | <b>24,105</b> | <b>28,135</b> | <b>32,249</b> | <b>36,287</b> |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| BOERNE                                           | 14,367         | 18,820        | 23,524        | 28,187        | 32,947        | 37,619        |
| FAIR OAKS RANCH                                  | 2,482          | 3,431         | 4,318         | 4,965         | 5,898         | 6,814         |
| WATER SERVICES INC                               | 280            | 346           | 417           | 487           | 558           | 628           |
| COUNTY-OTHER                                     | 8,537          | 9,171         | 9,954         | 10,963        | 11,721        | 12,465        |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>25,666</b>  | <b>31,768</b> | <b>38,213</b> | <b>44,602</b> | <b>51,124</b> | <b>57,526</b> |
| <b>KENDALL COUNTY TOTAL POPULATION</b>           | <b>42,185</b>  | <b>52,213</b> | <b>62,807</b> | <b>73,308</b> | <b>84,028</b> | <b>94,549</b> |
| <b>LA SALLE COUNTY</b>                           |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| COTULLA                                          | 4,069          | 4,457         | 4,819         | 5,226         | 5,577         | 5,902         |
| ENCINAL                                          | 632            | 692           | 748           | 811           | 866           | 916           |
| COUNTY-OTHER                                     | 3,075          | 3,368         | 3,642         | 3,950         | 4,214         | 4,461         |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>7,776</b>   | <b>8,517</b>  | <b>9,209</b>  | <b>9,987</b>  | <b>10,657</b> | <b>11,279</b> |
| <b>LA SALLE COUNTY TOTAL POPULATION</b>          | <b>7,776</b>   | <b>8,517</b>  | <b>9,209</b>  | <b>9,987</b>  | <b>10,657</b> | <b>11,279</b> |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |               |               |               |               |               |
|--------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                                  | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>MEDINA COUNTY</b>                             |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                              |                |               |               |               |               |               |
| BENTON CITY WSC                                  | 5,157          | 6,193         | 7,074         | 7,842         | 8,535         | 9,138         |
| DEVINE                                           | 4,559          | 4,780         | 4,968         | 5,132         | 5,280         | 5,409         |
| EAST MEDINA COUNTY SUD                           | 7,719          | 8,873         | 9,854         | 10,710        | 11,482        | 12,153        |
| HONDO                                            | 9,702          | 10,654        | 11,463        | 12,169        | 12,806        | 13,360        |
| LYTLE                                            | 590            | 731           | 851           | 956           | 1,051         | 1,133         |
| NATALIA                                          | 1,638          | 1,857         | 2,043         | 2,206         | 2,352         | 2,480         |
| YANCEY WSC                                       | 1,159          | 1,315         | 1,446         | 1,561         | 1,665         | 1,755         |
| COUNTY-OTHER                                     | 9,511          | 9,986         | 10,738        | 11,330        | 11,816        | 12,172        |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>40,035</b>  | <b>44,389</b> | <b>48,437</b> | <b>51,906</b> | <b>54,987</b> | <b>57,600</b> |
| <b>SAN ANTONIO BASIN</b>                         |                |               |               |               |               |               |
| CASTROVILLE                                      | 2,696          | 2,713         | 2,728         | 2,741         | 2,753         | 2,763         |
| EAST MEDINA COUNTY SUD                           | 696            | 800           | 888           | 965           | 1,035         | 1,096         |
| LACOSTE                                          | 1,281          | 1,452         | 1,598         | 1,725         | 1,839         | 1,939         |
| SAN ANTONIO                                      | 52             | 80            | 104           | 125           | 144           | 160           |
| SAN ANTONIO WATER SYSTEM                         | 2,974          | 4,482         | 5,763         | 6,881         | 7,890         | 8,767         |
| YANCEY WSC                                       | 4,731          | 5,363         | 5,901         | 6,370         | 6,792         | 7,160         |
| COUNTY-OTHER                                     | 188            | 415           | 257           | 183           | 165           | 215           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>12,618</b>  | <b>15,305</b> | <b>17,239</b> | <b>18,990</b> | <b>20,618</b> | <b>22,100</b> |
| <b>MEDINA COUNTY TOTAL POPULATION</b>            | <b>52,653</b>  | <b>59,694</b> | <b>65,676</b> | <b>70,896</b> | <b>75,605</b> | <b>79,700</b> |
| <b>REFUGIO COUNTY</b>                            |                |               |               |               |               |               |
| <b>SAN ANTONIO BASIN</b>                         |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 67             | 69            | 70            | 71            | 71            | 72            |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>67</b>      | <b>69</b>     | <b>70</b>     | <b>71</b>     | <b>71</b>     | <b>72</b>     |
| <b>SAN ANTONIO-NUECES BASIN</b>                  |                |               |               |               |               |               |
| REFUGIO                                          | 3,009          | 3,104         | 3,126         | 3,179         | 3,201         | 3,215         |
| WOODSBORO                                        | 1,575          | 1,624         | 1,636         | 1,663         | 1,675         | 1,682         |
| COUNTY-OTHER                                     | 3,036          | 3,132         | 3,153         | 3,206         | 3,228         | 3,244         |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>7,620</b>   | <b>7,860</b>  | <b>7,915</b>  | <b>8,048</b>  | <b>8,104</b>  | <b>8,141</b>  |
| <b>REFUGIO COUNTY TOTAL POPULATION</b>           | <b>7,687</b>   | <b>7,929</b>  | <b>7,985</b>  | <b>8,119</b>  | <b>8,175</b>  | <b>8,213</b>  |
| <b>UVALDE COUNTY</b>                             |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                              |                |               |               |               |               |               |
| SABINAL                                          | 1,852          | 2,026         | 2,174         | 2,328         | 2,475         | 2,615         |
| UVALDE                                           | 17,208         | 18,819        | 20,199        | 21,628        | 22,992        | 24,299        |
| COUNTY-OTHER                                     | 9,786          | 10,703        | 11,488        | 12,301        | 13,076        | 13,820        |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>28,846</b>  | <b>31,548</b> | <b>33,861</b> | <b>36,257</b> | <b>38,543</b> | <b>40,734</b> |
| <b>UVALDE COUNTY TOTAL POPULATION</b>            | <b>28,846</b>  | <b>31,548</b> | <b>33,861</b> | <b>36,257</b> | <b>38,543</b> | <b>40,734</b> |
| <b>VICTORIA COUNTY</b>                           |                |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                           |                |               |               |               |               |               |
| VICTORIA                                         | 45,688         | 48,862        | 51,359        | 53,584        | 55,410        | 56,923        |
| COUNTY-OTHER                                     | 15,410         | 16,404        | 17,187        | 17,883        | 18,456        | 18,929        |



**WUG POPULATION**

| REGION L                                       | WUG POPULATION |                |                |                |                |                |
|------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>VICTORIA COUNTY</b>                         |                |                |                |                |                |                |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>        | <b>61,098</b>  | <b>65,266</b>  | <b>68,546</b>  | <b>71,467</b>  | <b>73,866</b>  | <b>75,852</b>  |
| <b>LAVACA BASIN</b>                            |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 43             | 46             | 48             | 50             | 52             | 53             |
| <b>LAVACA BASIN TOTAL POPULATION</b>           | <b>43</b>      | <b>46</b>      | <b>48</b>      | <b>50</b>      | <b>52</b>      | <b>53</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                  |                |                |                |                |                |                |
| VICTORIA                                       | 22,099         | 23,634         | 24,842         | 25,917         | 26,801         | 27,533         |
| COUNTY-OTHER                                   | 10,547         | 11,239         | 11,784         | 12,269         | 12,666         | 12,997         |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b> | <b>32,646</b>  | <b>34,873</b>  | <b>36,626</b>  | <b>38,186</b>  | <b>39,467</b>  | <b>40,530</b>  |
| <b>SAN ANTONIO BASIN</b>                       |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 70             | 75             | 78             | 82             | 85             | 87             |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>70</b>      | <b>75</b>      | <b>78</b>      | <b>82</b>      | <b>85</b>      | <b>87</b>      |
| <b>VICTORIA COUNTY TOTAL POPULATION</b>        | <b>93,857</b>  | <b>100,260</b> | <b>105,298</b> | <b>109,785</b> | <b>113,470</b> | <b>116,522</b> |
| <b>WILSON COUNTY</b>                           |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                         |                |                |                |                |                |                |
| NIXON                                          | 8              | 10             | 12             | 14             | 16             | 17             |
| SUNKO WSC                                      | 27             | 33             | 39             | 44             | 50             | 54             |
| COUNTY-OTHER                                   | 339            | 418            | 494            | 563            | 626            | 686            |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>        | <b>374</b>     | <b>461</b>     | <b>545</b>     | <b>621</b>     | <b>692</b>     | <b>757</b>     |
| <b>NUECES BASIN</b>                            |                |                |                |                |                |                |
| MCCOY WSC                                      | 346            | 426            | 505            | 574            | 641            | 701            |
| COUNTY-OTHER                                   | 414            | 510            | 602            | 686            | 766            | 836            |
| <b>NUECES BASIN TOTAL POPULATION</b>           | <b>760</b>     | <b>936</b>     | <b>1,107</b>   | <b>1,260</b>   | <b>1,407</b>   | <b>1,537</b>   |
| <b>SAN ANTONIO BASIN</b>                       |                |                |                |                |                |                |
| EAST CENTRAL SUD                               | 1,111          | 1,368          | 1,618          | 1,843          | 2,056          | 2,248          |
| EL OSO WSC                                     | 179            | 221            | 261            | 297            | 332            | 363            |
| ELMENDORF                                      | 15             | 18             | 22             | 25             | 28             | 30             |
| FLORESVILLE                                    | 8,152          | 10,041         | 11,875         | 13,524         | 15,085         | 16,491         |
| LA VERNIA                                      | 1,307          | 1,610          | 1,904          | 2,168          | 2,419          | 2,644          |
| MCCOY WSC                                      | 28             | 34             | 40             | 46             | 51             | 56             |
| OAK HILLS WSC                                  | 5,405          | 6,657          | 7,873          | 8,966          | 10,001         | 10,934         |
| POTH                                           | 2,412          | 2,971          | 3,514          | 4,001          | 4,463          | 4,880          |
| S S WSC                                        | 16,420         | 20,224         | 23,918         | 27,238         | 30,384         | 33,216         |
| STOCKDALE                                      | 1,823          | 2,245          | 2,655          | 3,024          | 3,373          | 3,688          |
| SUNKO WSC                                      | 4,441          | 5,470          | 6,469          | 7,368          | 8,218          | 8,984          |
| COUNTY-OTHER                                   | 11,839         | 14,581         | 17,243         | 19,635         | 21,902         | 23,943         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>53,132</b>  | <b>65,440</b>  | <b>77,392</b>  | <b>88,135</b>  | <b>98,312</b>  | <b>107,477</b> |
| <b>WILSON COUNTY TOTAL POPULATION</b>          | <b>54,266</b>  | <b>66,837</b>  | <b>79,044</b>  | <b>90,016</b>  | <b>100,411</b> | <b>109,771</b> |
| <b>ZAVALA COUNTY</b>                           |                |                |                |                |                |                |
| <b>NUECES BASIN</b>                            |                |                |                |                |                |                |
| CRYSTAL CITY                                   | 8,063          | 9,022          | 9,880          | 10,711         | 11,484         | 12,199         |

**WUG POPULATION**

| <b>REGION L</b>                       | <b>WUG POPULATION</b> |                  |                  |                  |                  |                  |
|---------------------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
|                                       | <b>2020</b>           | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| <b>ZAVALA COUNTY</b>                  |                       |                  |                  |                  |                  |                  |
| <b>NUECES BASIN</b>                   |                       |                  |                  |                  |                  |                  |
| ZAVALA COUNTY WCID #1                 | 1,672                 | 1,871            | 2,049            | 2,221            | 2,382            | 2,530            |
| COUNTY-OTHER                          | 3,454                 | 3,865            | 4,232            | 4,589            | 4,920            | 5,227            |
| <b>NUECES BASIN TOTAL POPULATION</b>  | <b>13,189</b>         | <b>14,758</b>    | <b>16,161</b>    | <b>17,521</b>    | <b>18,786</b>    | <b>19,956</b>    |
| <b>ZAVALA COUNTY TOTAL POPULATION</b> | <b>13,189</b>         | <b>14,758</b>    | <b>16,161</b>    | <b>17,521</b>    | <b>18,786</b>    | <b>19,956</b>    |
|                                       |                       |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL POPULATION</b>      | <b>3,001,465</b>      | <b>3,476,548</b> | <b>3,919,536</b> | <b>4,336,127</b> | <b>4,770,185</b> | <b>5,192,028</b> |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>ATASCOSA COUNTY</b>                |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 882                             | 993           | 1,099         | 1,207         | 1,313         | 1,413         |
| CHARLOTTE                             | 344                             | 386           | 425           | 467           | 508           | 547           |
| JOURDANTON                            | 959                             | 1,083         | 1,198         | 1,317         | 1,434         | 1,544         |
| LYTLE                                 | 452                             | 510           | 563           | 618           | 673           | 725           |
| MCCOY WSC                             | 905                             | 1,012         | 1,113         | 1,219         | 1,326         | 1,427         |
| PLEASANTON                            | 2,283                           | 2,582         | 2,859         | 3,143         | 3,423         | 3,685         |
| POTEET                                | 472                             | 523           | 571           | 623           | 678           | 730           |
| SAN ANTONIO WATER SYSTEM              | 716                             | 803           | 885           | 970           | 1,055         | 1,136         |
| COUNTY-OTHER                          | 847                             | 940           | 1,028         | 1,123         | 1,222         | 1,315         |
| MANUFACTURING                         | 12                              | 12            | 12            | 12            | 12            | 12            |
| MINING                                | 4,081                           | 4,043         | 3,935         | 3,212         | 2,478         | 2,043         |
| STEAM ELECTRIC POWER                  | 4,807                           | 6,101         | 5,997         | 7,336         | 7,672         | 7,819         |
| LIVESTOCK                             | 1,509                           | 1,509         | 1,509         | 1,509         | 1,509         | 1,509         |
| IRRIGATION                            | 26,328                          | 25,446        | 24,597        | 23,780        | 22,991        | 22,273        |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>44,597</b>                   | <b>45,943</b> | <b>45,791</b> | <b>46,536</b> | <b>46,294</b> | <b>46,178</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 109                             | 123           | 136           | 150           | 163           | 175           |
| COUNTY-OTHER                          | 75                              | 84            | 91            | 100           | 109           | 117           |
| IRRIGATION                            | 266                             | 257           | 248           | 240           | 232           | 225           |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>450</b>                      | <b>464</b>    | <b>475</b>    | <b>490</b>    | <b>504</b>    | <b>517</b>    |
| <b>ATASCOSA COUNTY TOTAL DEMAND</b>   | <b>45,047</b>                   | <b>46,407</b> | <b>46,266</b> | <b>47,026</b> | <b>46,798</b> | <b>46,695</b> |
| <b>BEXAR COUNTY</b>                   |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| ATASCOSA RURAL WSC                    | 88                              | 103           | 117           | 131           | 145           | 158           |
| LYTLE                                 | 11                              | 15            | 18            | 21            | 23            | 26            |
| COUNTY-OTHER                          | 1,504                           | 1,638         | 1,774         | 1,917         | 2,056         | 2,184         |
| LIVESTOCK                             | 178                             | 178           | 178           | 178           | 178           | 178           |
| IRRIGATION                            | 1,301                           | 1,246         | 1,194         | 1,143         | 1,095         | 1,052         |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>3,082</b>                    | <b>3,180</b>  | <b>3,281</b>  | <b>3,390</b>  | <b>3,497</b>  | <b>3,598</b>  |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| ALAMO HEIGHTS                         | 2,216                           | 2,268         | 2,240         | 2,227         | 2,225         | 2,225         |
| ATASCOSA RURAL WSC                    | 1,508                           | 1,772         | 2,020         | 2,268         | 2,502         | 2,719         |
| BALCONES HEIGHTS                      | 518                             | 566           | 612           | 662           | 711           | 758           |
| CASTLE HILLS                          | 395                             | 375           | 359           | 351           | 350           | 349           |
| CHINA GROVE                           | 316                             | 350           | 381           | 413           | 445           | 474           |
| CONVERSE                              | 2,536                           | 2,744         | 2,930         | 2,905         | 2,898         | 2,897         |
| EAST CENTRAL SUD                      | 1,357                           | 1,461         | 1,561         | 1,671         | 1,784         | 1,890         |
| ELMENDORF                             | 308                             | 394           | 474           | 552           | 625           | 691           |
| FAIR OAKS RANCH                       | 1,311                           | 1,384         | 1,419         | 1,400         | 1,464         | 1,524         |
| GREEN VALLEY SUD                      | 250                             | 265           | 281           | 301           | 323           | 343           |
| HELOTES                               | 1,622                           | 1,998         | 2,349         | 2,690         | 3,005         | 3,295         |
| HILL COUNTRY VILLAGE                  | 234                             | 230           | 226           | 224           | 224           | 224           |
| HOLLYWOOD PARK                        | 949                             | 953           | 959           | 969           | 983           | 997           |
| KIRBY                                 | 942                             | 1,012         | 986           | 977           | 974           | 974           |
| LACKLAND AFB                          | 1,054                           | 1,013         | 981           | 962           | 959           | 959           |
| LEON VALLEY                           | 1,860                           | 1,931         | 2,001         | 2,083         | 2,174         | 2,260         |
| LIVE OAK                              | 2,677                           | 2,687         | 2,648         | 2,626         | 2,621         | 2,621         |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |                |                |                |                |                |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                       | 2020                            | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>BEXAR COUNTY</b>                   |                                 |                |                |                |                |                |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| OLMOS PARK                            | 564                             | 623            | 678            | 736            | 791            | 843            |
| RANDOLPH AFB                          | 97                              | 109            | 121            | 132            | 142            | 151            |
| SAN ANTONIO                           | 235,320                         | 258,645        | 280,772        | 303,790        | 326,624        | 347,849        |
| SAN ANTONIO WATER SYSTEM              | 28,224                          | 30,974         | 33,634         | 36,391         | 39,111         | 41,647         |
| SCHERTZ                               | 240                             | 295            | 369            | 447            | 542            | 629            |
| SELMA                                 | 788                             | 879            | 969            | 1,056          | 1,136          | 1,211          |
| SHAVANO PARK                          | 1,104                           | 1,234          | 1,356          | 1,476          | 1,588          | 1,692          |
| SOMERSET                              | 221                             | 240            | 259            | 279            | 300            | 319            |
| ST. HEDWIG                            | 346                             | 379            | 410            | 443            | 476            | 507            |
| TERRELL HILLS                         | 1,299                           | 1,276          | 1,257          | 1,247          | 1,245          | 1,245          |
| THE OAKS WSC                          | 370                             | 433            | 492            | 551            | 605            | 656            |
| UNIVERSAL CITY                        | 3,195                           | 3,210          | 3,151          | 3,118          | 3,112          | 3,111          |
| VON ORMY                              | 140                             | 153            | 165            | 178            | 191            | 204            |
| WATER SERVICES INC                    | 660                             | 715            | 767            | 826            | 884            | 937            |
| WINDCREST                             | 1,203                           | 1,220          | 1,238          | 1,265          | 1,297          | 1,328          |
| COUNTY-OTHER                          | 3,681                           | 5,299          | 7,215          | 9,503          | 11,548         | 13,422         |
| MANUFACTURING                         | 22,737                          | 25,264         | 27,802         | 30,035         | 32,461         | 35,083         |
| MINING                                | 7,820                           | 8,740          | 9,533          | 10,404         | 11,399         | 12,502         |
| STEAM ELECTRIC POWER                  | 25,215                          | 29,501         | 32,275         | 35,355         | 38,775         | 42,526         |
| LIVESTOCK                             | 980                             | 980            | 980            | 980            | 980            | 980            |
| IRRIGATION                            | 10,325                          | 9,889          | 9,470          | 9,070          | 8,686          | 8,349          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>364,582</b>                  | <b>401,461</b> | <b>435,340</b> | <b>470,563</b> | <b>506,160</b> | <b>540,391</b> |
| <b>BEXAR COUNTY TOTAL DEMAND</b>      | <b>367,664</b>                  | <b>404,641</b> | <b>438,621</b> | <b>473,953</b> | <b>509,657</b> | <b>543,989</b> |
| <b>CALDWELL COUNTY</b>                |                                 |                |                |                |                |                |
| <b>COLORADO BASIN</b>                 |                                 |                |                |                |                |                |
| AQUA WSC                              | 43                              | 51             | 60             | 68             | 77             | 86             |
| CREEDMOOR-MAHA WSC                    | 114                             | 133            | 152            | 172            | 195            | 216            |
| MUSTANG RIDGE                         | 69                              | 82             | 95             | 108            | 122            | 136            |
| POLONIA WSC                           | 282                             | 333            | 386            | 440            | 498            | 554            |
| COUNTY-OTHER                          | 51                              | 60             | 70             | 79             | 90             | 100            |
| MINING                                | 11                              | 9              | 6              | 4              | 2              | 1              |
| LIVESTOCK                             | 71                              | 71             | 71             | 71             | 71             | 71             |
| IRRIGATION                            | 19                              | 17             | 15             | 13             | 12             | 11             |
| <b>COLORADO BASIN TOTAL DEMAND</b>    | <b>660</b>                      | <b>756</b>     | <b>855</b>     | <b>955</b>     | <b>1,067</b>   | <b>1,175</b>   |
| <b>GUADALUPE BASIN</b>                |                                 |                |                |                |                |                |
| AQUA WSC                              | 242                             | 289            | 336            | 385            | 435            | 484            |
| COUNTY LINE WSC                       | 82                              | 97             | 114            | 132            | 149            | 166            |
| CREEDMOOR-MAHA WSC                    | 29                              | 34             | 39             | 45             | 50             | 56             |
| GOFORTH SUD                           | 41                              | 49             | 56             | 64             | 73             | 81             |
| GONZALES COUNTY WSC                   | 58                              | 70             | 83             | 95             | 91             | 102            |
| LOCKHART                              | 2,251                           | 2,676          | 3,105          | 3,547          | 4,010          | 4,465          |
| LULING                                | 950                             | 1,125          | 1,301          | 1,484          | 1,678          | 1,868          |
| MARTINDALE                            | 187                             | 221            | 256            | 292            | 330            | 367            |
| MAXWELL WSC                           | 414                             | 487            | 561            | 638            | 720            | 802            |
| MUSTANG RIDGE                         | 2                               | 2              | 2              | 3              | 3              | 3              |
| NIEDERWALD                            | 16                              | 19             | 22             | 25             | 28             | 31             |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|----------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                              | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>CALDWELL COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| POLONIA WSC                                  | 596                             | 707           | 819           | 935           | 1,055         | 1,175         |
| SAN MARCOS                                   | 2                               | 3             | 4             | 5             | 6             | 7             |
| UHLAND                                       | 79                              | 94            | 110           | 126           | 142           | 158           |
| COUNTY-OTHER                                 | 674                             | 796           | 920           | 1,050         | 1,186         | 1,320         |
| MANUFACTURING                                | 8                               | 9             | 10            | 11            | 12            | 13            |
| MINING                                       | 112                             | 89            | 66            | 42            | 18            | 8             |
| LIVESTOCK                                    | 937                             | 937           | 937           | 937           | 937           | 937           |
| IRRIGATION                                   | 599                             | 532           | 473           | 420           | 372           | 339           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>7,279</b>                    | <b>8,236</b>  | <b>9,214</b>  | <b>10,236</b> | <b>11,295</b> | <b>12,382</b> |
| <b>CALDWELL COUNTY TOTAL DEMAND</b>          | <b>7,939</b>                    | <b>8,992</b>  | <b>10,069</b> | <b>11,191</b> | <b>12,362</b> | <b>13,557</b> |
| <b>CALHOUN COUNTY</b>                        |                                 |               |               |               |               |               |
| <b>COLORADO-LAVACA BASIN</b>                 |                                 |               |               |               |               |               |
| POINT COMFORT                                | 87                              | 92            | 99            | 107           | 115           | 124           |
| COUNTY-OTHER                                 | 94                              | 101           | 110           | 120           | 129           | 138           |
| MANUFACTURING                                | 30,171                          | 32,579        | 34,966        | 37,073        | 39,731        | 42,030        |
| MINING                                       | 26                              | 27            | 20            | 15            | 9             | 6             |
| LIVESTOCK                                    | 66                              | 66            | 66            | 66            | 66            | 66            |
| IRRIGATION                                   | 712                             | 630           | 575           | 536           | 499           | 461           |
| <b>COLORADO-LAVACA BASIN TOTAL DEMAND</b>    | <b>31,156</b>                   | <b>33,495</b> | <b>35,836</b> | <b>37,917</b> | <b>40,549</b> | <b>42,825</b> |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| LIVESTOCK                                    | 2                               | 2             | 2             | 2             | 2             | 2             |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>2</b>                        | <b>2</b>      | <b>2</b>      | <b>2</b>      | <b>2</b>      | <b>2</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| CALHOUN COUNTY WS                            | 356                             | 376           | 398           | 425           | 457           | 490           |
| PORT LAVACA                                  | 1,927                           | 2,080         | 2,237         | 2,408         | 2,598         | 2,786         |
| PORT O'CONNOR MUD                            | 110                             | 116           | 123           | 132           | 142           | 152           |
| SEADRIFT                                     | 256                             | 278           | 300           | 324           | 349           | 374           |
| COUNTY-OTHER                                 | 141                             | 152           | 167           | 180           | 195           | 210           |
| MANUFACTURING                                | 24,686                          | 26,656        | 28,609        | 30,333        | 32,507        | 34,389        |
| MINING                                       | 26                              | 28            | 21            | 15            | 10            | 6             |
| LIVESTOCK                                    | 260                             | 260           | 260           | 260           | 260           | 260           |
| IRRIGATION                                   | 12,748                          | 11,294        | 10,309        | 9,603         | 8,945         | 8,257         |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b>   | <b>40,510</b>                   | <b>41,240</b> | <b>42,424</b> | <b>43,680</b> | <b>45,463</b> | <b>46,924</b> |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 9                               | 9             | 11            | 12            | 13            | 13            |
| LIVESTOCK                                    | 16                              | 16            | 16            | 16            | 16            | 16            |
| IRRIGATION                                   | 12                              | 11            | 10            | 9             | 9             | 8             |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>37</b>                       | <b>36</b>     | <b>37</b>     | <b>37</b>     | <b>38</b>     | <b>37</b>     |
| <b>CALHOUN COUNTY TOTAL DEMAND</b>           | <b>71,705</b>                   | <b>74,773</b> | <b>78,299</b> | <b>81,636</b> | <b>86,052</b> | <b>89,788</b> |
| <b>COMAL COUNTY</b>                          |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| BULVERDE                                     | 9                               | 10            | 11            | 13            | 14            | 15            |
| CANYON LAKE WATER SERVICE COMPANY            | 3,112                           | 4,314         | 5,554         | 6,812         | 8,067         | 9,275         |
| CRYSTAL CLEAR WSC                            | 301                             | 336           | 374           | 415           | 458           | 500           |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>COMAL COUNTY</b>                   |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| GARDEN RIDGE                          | 1,062                           | 1,430         | 1,806         | 2,188         | 2,570         | 2,936         |
| GREEN VALLEY SUD                      | 28                              | 34            | 39            | 45            | 52            | 58            |
| NEW BRAUNFELS                         | 12,380                          | 15,203        | 18,118        | 21,108        | 24,127        | 27,039        |
| SAN ANTONIO WATER SYSTEM              | 661                             | 956           | 1,254         | 1,558         | 1,866         | 2,157         |
| SCHERTZ                               | 247                             | 394           | 587           | 813           | 1,094         | 1,379         |
| COUNTY-OTHER                          | 3,955                           | 3,917         | 3,843         | 3,812         | 3,741         | 3,694         |
| MANUFACTURING                         | 8,477                           | 9,221         | 9,945         | 10,565        | 11,437        | 12,382        |
| MINING                                | 8,256                           | 9,596         | 10,886        | 12,012        | 13,423        | 15,003        |
| LIVESTOCK                             | 240                             | 240           | 240           | 240           | 240           | 240           |
| IRRIGATION                            | 386                             | 351           | 316           | 281           | 247           | 227           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>39,114</b>                   | <b>46,002</b> | <b>52,973</b> | <b>59,862</b> | <b>67,336</b> | <b>74,905</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| BULVERDE                              | 794                             | 929           | 1,070         | 1,215         | 1,363         | 1,506         |
| CANYON LAKE WATER SERVICE COMPANY     | 771                             | 1,068         | 1,375         | 1,686         | 1,996         | 2,295         |
| FAIR OAKS RANCH                       | 106                             | 125           | 140           | 150           | 168           | 186           |
| GARDEN RIDGE                          | 600                             | 808           | 1,021         | 1,237         | 1,452         | 1,660         |
| SAN ANTONIO WATER SYSTEM              | 566                             | 821           | 1,076         | 1,335         | 1,600         | 1,863         |
| SCHERTZ                               | 6                               | 10            | 15            | 20            | 27            | 34            |
| SELMA                                 | 3                               | 4             | 5             | 6             | 6             | 7             |
| COUNTY-OTHER                          | 209                             | 238           | 280           | 291           | 317           | 313           |
| MANUFACTURING                         | 86                              | 93            | 100           | 107           | 116           | 125           |
| MINING                                | 344                             | 400           | 454           | 501           | 559           | 625           |
| LIVESTOCK                             | 18                              | 18            | 18            | 18            | 18            | 18            |
| IRRIGATION                            | 43                              | 39            | 35            | 31            | 28            | 25            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>3,546</b>                    | <b>4,553</b>  | <b>5,589</b>  | <b>6,597</b>  | <b>7,650</b>  | <b>8,657</b>  |
| <b>COMAL COUNTY TOTAL DEMAND</b>      | <b>42,660</b>                   | <b>50,555</b> | <b>58,562</b> | <b>66,459</b> | <b>74,986</b> | <b>83,562</b> |
| <b>DEWITT COUNTY</b>                  |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| CUERO                                 | 2,195                           | 2,229         | 2,232         | 2,248         | 1,942         | 1,955         |
| GONZALES COUNTY WSC                   | 113                             | 115           | 117           | 118           | 102           | 102           |
| YORKTOWN                              | 447                             | 448           | 446           | 449           | 388           | 390           |
| COUNTY-OTHER                          | 1,139                           | 1,138         | 1,126         | 1,125         | 970           | 976           |
| MANUFACTURING                         | 330                             | 352           | 373           | 391           | 421           | 454           |
| MINING                                | 2,405                           | 2,259         | 1,668         | 1,081         | 494           | 229           |
| LIVESTOCK                             | 1,517                           | 1,517         | 1,517         | 1,517         | 1,517         | 1,517         |
| IRRIGATION                            | 520                             | 520           | 520           | 520           | 520           | 520           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>8,666</b>                    | <b>8,578</b>  | <b>7,999</b>  | <b>7,449</b>  | <b>6,354</b>  | <b>6,143</b>  |
| <b>LAVACA BASIN</b>                   |                                 |               |               |               |               |               |
| YOAKUM                                | 455                             | 458           | 455           | 456           | 402           | 404           |
| COUNTY-OTHER                          | 203                             | 203           | 200           | 200           | 173           | 174           |
| MANUFACTURING                         | 220                             | 234           | 249           | 261           | 281           | 302           |
| MINING                                | 506                             | 476           | 351           | 228           | 104           | 48            |
| LIVESTOCK                             | 309                             | 309           | 309           | 309           | 309           | 309           |
| IRRIGATION                            | 846                             | 846           | 846           | 846           | 846           | 846           |
| <b>LAVACA BASIN TOTAL DEMAND</b>      | <b>2,539</b>                    | <b>2,526</b>  | <b>2,410</b>  | <b>2,300</b>  | <b>2,115</b>  | <b>2,083</b>  |
| <b>LAVACA-GUADALUPE BASIN</b>         |                                 |               |               |               |               |               |
| COUNTY-OTHER                          | 2                               | 2             | 2             | 2             | 2             | 2             |

**WUG DEMAND**

| REGION L                                   | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|--------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                            | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>DEWITT COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>LAVACA-GUADALUPE BASIN</b>              |                                 |               |               |               |               |               |
| LIVESTOCK                                  | 18                              | 18            | 18            | 18            | 18            | 18            |
| IRRIGATION                                 | 15                              | 15            | 15            | 15            | 15            | 15            |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b> | <b>35</b>                       | <b>35</b>     | <b>35</b>     | <b>35</b>     | <b>35</b>     | <b>35</b>     |
| <b>SAN ANTONIO BASIN</b>                   |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 88                              | 88            | 87            | 87            | 75            | 76            |
| MINING                                     | 254                             | 238           | 176           | 113           | 52            | 24            |
| LIVESTOCK                                  | 150                             | 150           | 150           | 150           | 150           | 150           |
| IRRIGATION                                 | 104                             | 104           | 104           | 104           | 104           | 104           |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>      | <b>596</b>                      | <b>580</b>    | <b>517</b>    | <b>454</b>    | <b>381</b>    | <b>354</b>    |
| <b>DEWITT COUNTY TOTAL DEMAND</b>          | <b>11,836</b>                   | <b>11,719</b> | <b>10,961</b> | <b>10,238</b> | <b>8,885</b>  | <b>8,615</b>  |
| <b>DIMMIT COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                        |                                 |               |               |               |               |               |
| ASHERTON                                   | 341                             | 359           | 374           | 390           | 280           | 287           |
| BIG WELLS                                  | 174                             | 181           | 185           | 192           | 138           | 141           |
| CARRIZO SPRINGS                            | 2,270                           | 2,402         | 2,479         | 2,581         | 1,856         | 1,903         |
| COUNTY-OTHER                               | 607                             | 636           | 649           | 671           | 481           | 494           |
| MINING                                     | 4,265                           | 4,336         | 3,760         | 2,448         | 1,140         | 531           |
| LIVESTOCK                                  | 439                             | 439           | 439           | 439           | 439           | 439           |
| IRRIGATION                                 | 5,020                           | 4,968         | 4,768         | 4,563         | 4,366         | 4,232         |
| <b>NUECES BASIN TOTAL DEMAND</b>           | <b>13,116</b>                   | <b>13,321</b> | <b>12,654</b> | <b>11,284</b> | <b>8,700</b>  | <b>8,027</b>  |
| <b>RIO GRANDE BASIN</b>                    |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 4                               | 4             | 5             | 5             | 4             | 4             |
| MINING                                     | 654                             | 665           | 577           | 376           | 175           | 81            |
| LIVESTOCK                                  | 49                              | 49            | 49            | 49            | 49            | 49            |
| IRRIGATION                                 | 755                             | 747           | 717           | 686           | 657           | 637           |
| <b>RIO GRANDE BASIN TOTAL DEMAND</b>       | <b>1,462</b>                    | <b>1,465</b>  | <b>1,348</b>  | <b>1,116</b>  | <b>885</b>    | <b>771</b>    |
| <b>DIMMIT COUNTY TOTAL DEMAND</b>          | <b>14,578</b>                   | <b>14,786</b> | <b>14,002</b> | <b>12,400</b> | <b>9,585</b>  | <b>8,798</b>  |
| <b>FRIO COUNTY</b>                         |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                        |                                 |               |               |               |               |               |
| BENTON CITY WSC                            | 62                              | 67            | 71            | 76            | 80            | 84            |
| DILLEY                                     | 1,025                           | 1,110         | 1,185         | 1,263         | 1,337         | 1,405         |
| PEARSALL                                   | 2,021                           | 2,181         | 2,323         | 2,472         | 2,616         | 2,750         |
| COUNTY-OTHER                               | 528                             | 559           | 602           | 643           | 680           | 715           |
| MINING                                     | 1,217                           | 1,250         | 1,178         | 986           | 620           | 390           |
| STEAM ELECTRIC POWER                       | 555                             | 417           | 398           | 158           | 189           | 163           |
| LIVESTOCK                                  | 994                             | 994           | 994           | 994           | 994           | 994           |
| IRRIGATION                                 | 70,831                          | 68,327        | 65,932        | 63,638        | 61,423        | 59,412        |
| <b>NUECES BASIN TOTAL DEMAND</b>           | <b>77,233</b>                   | <b>74,905</b> | <b>72,683</b> | <b>70,230</b> | <b>67,939</b> | <b>65,913</b> |
| <b>FRIO COUNTY TOTAL DEMAND</b>            | <b>77,233</b>                   | <b>74,905</b> | <b>72,683</b> | <b>70,230</b> | <b>67,939</b> | <b>65,913</b> |
| <b>GOLIAD COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                     |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 502                             | 547           | 575           | 585           | 436           | 441           |
| MINING                                     | 126                             | 126           | 126           | 126           | 126           | 126           |
| STEAM ELECTRIC POWER                       | 17,080                          | 17,080        | 17,080        | 17,080        | 17,080        | 17,080        |
| LIVESTOCK                                  | 262                             | 262           | 262           | 262           | 262           | 262           |
| IRRIGATION                                 | 575                             | 575           | 575           | 575           | 575           | 575           |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|----------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                              | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>GOLIAD COUNTY</b>                         |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>18,545</b>                   | <b>18,590</b> | <b>18,618</b> | <b>18,628</b> | <b>18,479</b> | <b>18,484</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                 |               |               |               |               |               |
| GOLIAD                                       | 611                             | 674           | 713           | 729           | 544           | 551           |
| COUNTY-OTHER                                 | 421                             | 458           | 482           | 490           | 365           | 370           |
| MANUFACTURING                                | 34                              | 51            | 68            | 85            | 102           | 122           |
| MINING                                       | 275                             | 275           | 275           | 275           | 275           | 275           |
| LIVESTOCK                                    | 448                             | 448           | 448           | 448           | 448           | 448           |
| IRRIGATION                                   | 2,209                           | 2,209         | 2,209         | 2,209         | 2,209         | 2,209         |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>3,998</b>                    | <b>4,115</b>  | <b>4,195</b>  | <b>4,236</b>  | <b>3,943</b>  | <b>3,975</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 112                             | 123           | 129           | 131           | 99            | 99            |
| MINING                                       | 49                              | 49            | 49            | 49            | 49            | 49            |
| LIVESTOCK                                    | 418                             | 418           | 418           | 418           | 418           | 418           |
| IRRIGATION                                   | 416                             | 416           | 416           | 416           | 416           | 416           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>995</b>                      | <b>1,006</b>  | <b>1,012</b>  | <b>1,014</b>  | <b>982</b>    | <b>982</b>    |
| <b>GOLIAD COUNTY TOTAL DEMAND</b>            | <b>23,538</b>                   | <b>23,711</b> | <b>23,825</b> | <b>23,878</b> | <b>23,404</b> | <b>23,441</b> |
| <b>GONZALES COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| GONZALES                                     | 2,200                           | 2,375         | 2,545         | 2,759         | 2,677         | 2,895         |
| GONZALES COUNTY WSC                          | 1,989                           | 2,153         | 2,340         | 2,534         | 2,337         | 2,528         |
| NIXON                                        | 433                             | 462           | 491           | 529           | 538           | 582           |
| SMILEY                                       | 136                             | 146           | 156           | 170           | 164           | 177           |
| WAELDER                                      | 224                             | 241           | 258           | 279           | 270           | 292           |
| COUNTY-OTHER                                 | 402                             | 420           | 454           | 494           | 463           | 502           |
| MANUFACTURING                                | 1,671                           | 1,794         | 1,914         | 2,020         | 2,163         | 2,316         |
| MINING                                       | 1,600                           | 1,207         | 813           | 418           | 24            | 1             |
| LIVESTOCK                                    | 4,629                           | 4,629         | 4,629         | 4,629         | 4,629         | 4,629         |
| IRRIGATION                                   | 2,413                           | 2,080         | 1,792         | 1,545         | 1,333         | 1,193         |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>15,697</b>                   | <b>15,507</b> | <b>15,392</b> | <b>15,377</b> | <b>14,598</b> | <b>15,115</b> |
| <b>LAVACA BASIN</b>                          |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 20                              | 21            | 23            | 24            | 24            | 25            |
| LIVESTOCK                                    | 107                             | 107           | 107           | 107           | 107           | 107           |
| <b>LAVACA BASIN TOTAL DEMAND</b>             | <b>127</b>                      | <b>128</b>    | <b>130</b>    | <b>131</b>    | <b>131</b>    | <b>132</b>    |
| <b>GONZALES COUNTY TOTAL DEMAND</b>          | <b>15,824</b>                   | <b>15,635</b> | <b>15,522</b> | <b>15,508</b> | <b>14,729</b> | <b>15,247</b> |
| <b>GUADALUPE COUNTY</b>                      |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| CRYSTAL CLEAR WSC                            | 1,612                           | 1,883         | 2,167         | 2,457         | 2,766         | 3,071         |
| GONZALES COUNTY WSC                          | 32                              | 38            | 45            | 51            | 49            | 54            |
| GREEN VALLEY SUD                             | 892                             | 1,004         | 1,128         | 1,265         | 1,421         | 1,577         |
| LULING                                       | 4                               | 4             | 5             | 6             | 6             | 7             |
| NEW BRAUNFELS                                | 2,528                           | 2,987         | 3,468         | 3,949         | 4,447         | 4,940         |
| SANTA CLARA                                  | 15                              | 17            | 20            | 23            | 25            | 28            |
| SCHERTZ                                      | 478                             | 626           | 731           | 835           | 942           | 1,047         |
| SEGUIN                                       | 4,707                           | 5,494         | 6,326         | 7,175         | 8,077         | 8,970         |
| SPRINGS HILL WSC                             | 1,249                           | 1,428         | 1,626         | 1,833         | 2,059         | 2,286         |
| COUNTY-OTHER                                 | 640                             | 693           | 871           | 1,048         | 1,229         | 1,408         |
| MANUFACTURING                                | 2,994                           | 3,290         | 3,574         | 3,819         | 4,149         | 4,507         |
| MINING                                       | 342                             | 412           | 479           | 566           | 663           | 782           |



**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>GUADALUPE COUNTY</b>               |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| STEAM ELECTRIC POWER                  | 5,984                           | 4,941         | 5,136         | 5,585         | 7,515         | 8,371         |
| LIVESTOCK                             | 941                             | 941           | 941           | 941           | 941           | 941           |
| IRRIGATION                            | 339                             | 300           | 263           | 252           | 250           | 233           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>22,757</b>                   | <b>24,058</b> | <b>26,780</b> | <b>29,805</b> | <b>34,539</b> | <b>38,222</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| CIBOLO                                | 5,343                           | 7,823         | 9,148         | 10,447        | 11,773        | 13,075        |
| EAST CENTRAL SUD                      | 97                              | 113           | 129           | 145           | 164           | 182           |
| GREEN VALLEY SUD                      | 651                             | 733           | 824           | 924           | 1,038         | 1,152         |
| MARION                                | 164                             | 189           | 216           | 245           | 275           | 305           |
| NEW BERLIN                            | 102                             | 120           | 140           | 159           | 179           | 198           |
| SANTA CLARA                           | 90                              | 105           | 121           | 136           | 154           | 171           |
| SCHERTZ                               | 5,970                           | 7,828         | 9,136         | 10,438        | 11,779        | 13,099        |
| SELMA                                 | 376                             | 816           | 813           | 812           | 811           | 810           |
| SPRINGS HILL WSC                      | 168                             | 193           | 219           | 247           | 278           | 308           |
| WATER SERVICES INC                    | 40                              | 47            | 53            | 61            | 68            | 76            |
| COUNTY-OTHER                          | 427                             | 298           | 374           | 450           | 526           | 603           |
| MANUFACTURING                         | 9                               | 10            | 11            | 11            | 12            | 14            |
| MINING                                | 114                             | 138           | 160           | 189           | 221           | 261           |
| LIVESTOCK                             | 105                             | 105           | 105           | 105           | 105           | 105           |
| IRRIGATION                            | 74                              | 66            | 58            | 55            | 55            | 51            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>13,730</b>                   | <b>18,584</b> | <b>21,507</b> | <b>24,424</b> | <b>27,438</b> | <b>30,410</b> |
| <b>GUADALUPE COUNTY TOTAL DEMAND</b>  | <b>36,487</b>                   | <b>42,642</b> | <b>48,287</b> | <b>54,229</b> | <b>61,977</b> | <b>68,632</b> |
| <b>HAYS COUNTY</b>                    |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| BUDA                                  | 299                             | 388           | 499           | 639           | 798           | 979           |
| COUNTY LINE WSC                       | 181                             | 231           | 298           | 383           | 478           | 587           |
| CREEDMOOR-MAHA WSC                    | 10                              | 12            | 15            | 19            | 23            | 28            |
| CRYSTAL CLEAR WSC                     | 632                             | 717           | 827           | 973           | 1,143         | 1,338         |
| GOFORTH SUD                           | 1,384                           | 1,753         | 2,220         | 2,818         | 3,504         | 4,287         |
| KYLE                                  | 5,156                           | 7,680         | 9,133         | 9,119         | 9,108         | 9,104         |
| MAXWELL WSC                           | 117                             | 122           | 131           | 144           | 160           | 179           |
| MOUNTAIN CITY                         | 24                              | 30            | 38            | 48            | 60            | 73            |
| NIEDERWALD                            | 59                              | 75            | 96            | 122           | 151           | 185           |
| PLUM CREEK WATER COMPANY              | 736                             | 1,068         | 1,048         | 1,032         | 1,019         | 1,009         |
| SAN MARCOS                            | 11,934                          | 13,941        | 16,430        | 19,485        | 23,205        | 27,655        |
| UHLAND                                | 99                              | 133           | 175           | 229           | 290           | 360           |
| WIMBERLEY                             | 626                             | 800           | 1,018         | 1,300         | 1,622         | 1,990         |
| WIMBERLEY WSC                         | 450                             | 657           | 919           | 1,247         | 1,617         | 2,039         |
| WOODCREEK                             | 282                             | 311           | 349           | 399           | 458           | 525           |
| COUNTY-OTHER                          | 2,064                           | 2,284         | 4,564         | 6,274         | 11,819        | 17,977        |
| MANUFACTURING                         | 107                             | 122           | 138           | 152           | 165           | 179           |
| STEAM ELECTRIC POWER                  | 730                             | 965           | 1,982         | 2,708         | 3,688         | 5,023         |
| LIVESTOCK                             | 410                             | 410           | 410           | 410           | 410           | 410           |
| IRRIGATION                            | 650                             | 644           | 638           | 632           | 626           | 620           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>25,950</b>                   | <b>32,343</b> | <b>40,928</b> | <b>48,133</b> | <b>60,344</b> | <b>74,547</b> |
| <b>HAYS COUNTY TOTAL DEMAND</b>       | <b>25,950</b>                   | <b>32,343</b> | <b>40,928</b> | <b>48,133</b> | <b>60,344</b> | <b>74,547</b> |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |              |              |              |              |              |
|----------------------------------------------|---------------------------------|--------------|--------------|--------------|--------------|--------------|
|                                              | 2020                            | 2030         | 2040         | 2050         | 2060         | 2070         |
| <b>KARNES COUNTY</b>                         |                                 |              |              |              |              |              |
| <b>GUADALUPE BASIN</b>                       |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 7                               | 7            | 7            | 7            | 7            | 7            |
| COUNTY-OTHER                                 | 14                              | 14           | 14           | 14           | 13           | 13           |
| MINING                                       | 152                             | 115          | 77           | 40           | 2            | 0            |
| LIVESTOCK                                    | 41                              | 41           | 41           | 41           | 41           | 41           |
| IRRIGATION                                   | 27                              | 25           | 22           | 20           | 18           | 17           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>241</b>                      | <b>202</b>   | <b>161</b>   | <b>122</b>   | <b>81</b>    | <b>78</b>    |
| <b>NUECES BASIN</b>                          |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 20                              | 20           | 19           | 19           | 18           | 18           |
| COUNTY-OTHER                                 | 11                              | 11           | 11           | 11           | 11           | 11           |
| MINING                                       | 253                             | 192          | 129          | 66           | 4            | 0            |
| LIVESTOCK                                    | 64                              | 64           | 64           | 64           | 64           | 64           |
| IRRIGATION                                   | 42                              | 38           | 35           | 31           | 28           | 26           |
| <b>NUECES BASIN TOTAL DEMAND</b>             | <b>390</b>                      | <b>325</b>   | <b>258</b>   | <b>191</b>   | <b>125</b>   | <b>119</b>   |
| <b>SAN ANTONIO BASIN</b>                     |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 563                             | 568          | 559          | 553          | 524          | 524          |
| FALLS CITY                                   | 147                             | 148          | 146          | 145          | 141          | 141          |
| KARNES CITY                                  | 625                             | 628          | 617          | 611          | 580          | 580          |
| KENEDY                                       | 1,421                           | 1,446        | 1,435        | 1,432        | 1,362        | 1,362        |
| RUNGE                                        | 231                             | 232          | 228          | 227          | 216          | 216          |
| SUNKO WSC                                    | 34                              | 35           | 35           | 33           | 31           | 31           |
| COUNTY-OTHER                                 | 591                             | 598          | 592          | 588          | 557          | 557          |
| MANUFACTURING                                | 171                             | 175          | 179          | 182          | 192          | 203          |
| MINING                                       | 2,022                           | 1,535        | 1,030        | 530          | 28           | 2            |
| LIVESTOCK                                    | 1,039                           | 1,039        | 1,039        | 1,039        | 1,039        | 1,039        |
| IRRIGATION                                   | 570                             | 516          | 466          | 422          | 381          | 350          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>7,414</b>                    | <b>6,920</b> | <b>6,326</b> | <b>5,762</b> | <b>5,051</b> | <b>5,005</b> |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 5                               | 5            | 5            | 5            | 5            | 5            |
| COUNTY-OTHER                                 | 6                               | 6            | 6            | 6            | 6            | 6            |
| MINING                                       | 101                             | 77           | 52           | 26           | 1            | 0            |
| LIVESTOCK                                    | 24                              | 24           | 24           | 24           | 24           | 24           |
| IRRIGATION                                   | 16                              | 14           | 13           | 12           | 11           | 10           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>152</b>                      | <b>126</b>   | <b>100</b>   | <b>73</b>    | <b>47</b>    | <b>45</b>    |
| <b>KARNES COUNTY TOTAL DEMAND</b>            | <b>8,197</b>                    | <b>7,573</b> | <b>6,845</b> | <b>6,148</b> | <b>5,304</b> | <b>5,247</b> |
| <b>KENDALL COUNTY</b>                        |                                 |              |              |              |              |              |
| <b>COLORADO BASIN</b>                        |                                 |              |              |              |              |              |
| COUNTY-OTHER                                 | 41                              | 48           | 57           | 66           | 75           | 85           |
| LIVESTOCK                                    | 13                              | 13           | 13           | 13           | 13           | 13           |
| <b>COLORADO BASIN TOTAL DEMAND</b>           | <b>54</b>                       | <b>61</b>    | <b>70</b>    | <b>79</b>    | <b>88</b>    | <b>98</b>    |
| <b>GUADALUPE BASIN</b>                       |                                 |              |              |              |              |              |
| KENDALL COUNTY WCID #1                       | 303                             | 341          | 384          | 430          | 481          | 531          |
| COUNTY-OTHER                                 | 1,587                           | 1,925        | 2,289        | 2,662        | 3,058        | 3,450        |
| LIVESTOCK                                    | 316                             | 316          | 316          | 316          | 316          | 316          |
| IRRIGATION                                   | 305                             | 299          | 292          | 287          | 282          | 276          |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>2,511</b>                    | <b>2,881</b> | <b>3,281</b> | <b>3,695</b> | <b>4,137</b> | <b>4,573</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                 |              |              |              |              |              |
| BOERNE                                       | 3,091                           | 3,985        | 4,942        | 5,900        | 6,889        | 7,863        |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>KENDALL COUNTY</b>                 |                                 |               |               |               |               |               |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| FAIR OAKS RANCH                       | 656                             | 898           | 1,125         | 1,290         | 1,531         | 1,768         |
| WATER SERVICES INC                    | 46                              | 54            | 64            | 74            | 85            | 95            |
| COUNTY-OTHER                          | 1,042                           | 1,084         | 1,153         | 1,257         | 1,341         | 1,424         |
| LIVESTOCK                             | 66                              | 66            | 66            | 66            | 66            | 66            |
| IRRIGATION                            | 70                              | 68            | 67            | 65            | 64            | 63            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>4,971</b>                    | <b>6,155</b>  | <b>7,417</b>  | <b>8,652</b>  | <b>9,976</b>  | <b>11,279</b> |
| <b>KENDALL COUNTY TOTAL DEMAND</b>    | <b>7,536</b>                    | <b>9,097</b>  | <b>10,768</b> | <b>12,426</b> | <b>14,201</b> | <b>15,950</b> |
| <b>LA SALLE COUNTY</b>                |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| COTULLA                               | 1,868                           | 2,016         | 2,155         | 2,323         | 1,680         | 1,777         |
| ENCINAL                               | 213                             | 228           | 243           | 263           | 191           | 201           |
| COUNTY-OTHER                          | 522                             | 556           | 590           | 633           | 458           | 484           |
| MINING                                | 4,617                           | 4,772         | 4,263         | 2,819         | 1,380         | 676           |
| LIVESTOCK                             | 610                             | 610           | 610           | 610           | 610           | 610           |
| IRRIGATION                            | 4,636                           | 4,493         | 4,354         | 4,220         | 4,090         | 3,971         |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>12,466</b>                   | <b>12,675</b> | <b>12,215</b> | <b>10,868</b> | <b>8,409</b>  | <b>7,719</b>  |
| <b>LA SALLE COUNTY TOTAL DEMAND</b>   | <b>12,466</b>                   | <b>12,675</b> | <b>12,215</b> | <b>10,868</b> | <b>8,409</b>  | <b>7,719</b>  |
| <b>MEDINA COUNTY</b>                  |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 558                             | 653           | 735           | 809           | 878           | 939           |
| DEVINE                                | 668                             | 678           | 687           | 701           | 719           | 736           |
| EAST MEDINA COUNTY SUD                | 690                             | 758           | 819           | 877           | 936           | 990           |
| HONDO                                 | 2,053                           | 2,210         | 2,346         | 2,473         | 2,598         | 2,710         |
| LYTLE                                 | 114                             | 138           | 158           | 176           | 194           | 209           |
| NATALIA                               | 281                             | 309           | 333           | 356           | 379           | 400           |
| YANCEY WSC                            | 130                             | 144           | 155           | 166           | 176           | 186           |
| COUNTY-OTHER                          | 1,232                           | 1,258         | 1,327         | 1,386         | 1,441         | 1,484         |
| MANUFACTURING                         | 41                              | 44            | 48            | 51            | 55            | 60            |
| MINING                                | 1,388                           | 1,543         | 1,673         | 1,805         | 1,972         | 2,154         |
| LIVESTOCK                             | 1,042                           | 1,042         | 1,042         | 1,042         | 1,042         | 1,042         |
| IRRIGATION                            | 49,596                          | 47,529        | 45,550        | 43,653        | 41,836        | 40,232        |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>57,793</b>                   | <b>56,306</b> | <b>54,873</b> | <b>53,495</b> | <b>52,226</b> | <b>51,142</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| CASTROVILLE                           | 794                             | 787           | 780           | 778           | 781           | 784           |
| EAST MEDINA COUNTY SUD                | 63                              | 69            | 74            | 79            | 85            | 90            |
| LACOSTE                               | 127                             | 137           | 145           | 154           | 164           | 173           |
| SAN ANTONIO                           | 9                               | 12            | 16            | 19            | 21            | 24            |
| SAN ANTONIO WATER SYSTEM              | 369                             | 540           | 681           | 806           | 922           | 1,023         |
| YANCEY WSC                            | 530                             | 583           | 631           | 674           | 717           | 755           |
| COUNTY-OTHER                          | 25                              | 53            | 32            | 23            | 21            | 27            |
| MANUFACTURING                         | 7                               | 8             | 8             | 9             | 10            | 10            |
| MINING                                | 463                             | 514           | 558           | 602           | 657           | 718           |
| LIVESTOCK                             | 123                             | 123           | 123           | 123           | 123           | 123           |
| IRRIGATION                            | 7,868                           | 7,541         | 7,226         | 6,926         | 6,637         | 6,383         |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>10,378</b>                   | <b>10,367</b> | <b>10,274</b> | <b>10,193</b> | <b>10,138</b> | <b>10,110</b> |
| <b>MEDINA COUNTY TOTAL DEMAND</b>     | <b>68,171</b>                   | <b>66,673</b> | <b>65,147</b> | <b>63,688</b> | <b>62,364</b> | <b>61,252</b> |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |                |                |                |
|----------------------------------------------|---------------------------------|---------------|---------------|----------------|----------------|----------------|
|                                              | 2020                            | 2030          | 2040          | 2050           | 2060           | 2070           |
| <b>REFUGIO COUNTY</b>                        |                                 |               |               |                |                |                |
| <b>SAN ANTONIO BASIN</b>                     |                                 |               |               |                |                |                |
| COUNTY-OTHER                                 | 11                              | 11            | 10            | 10             | 8              | 8              |
| MINING                                       | 3                               | 3             | 3             | 2              | 1              | 1              |
| LIVESTOCK                                    | 32                              | 32            | 32            | 32             | 32             | 32             |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>46</b>                       | <b>46</b>     | <b>45</b>     | <b>44</b>      | <b>41</b>      | <b>41</b>      |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |                |                |                |
| REFUGIO                                      | 803                             | 808           | 797           | 805            | 578            | 580            |
| WOODSBORO                                    | 361                             | 361           | 354           | 360            | 258            | 259            |
| COUNTY-OTHER                                 | 507                             | 501           | 488           | 490            | 351            | 352            |
| MINING                                       | 63                              | 66            | 48            | 36             | 23             | 14             |
| LIVESTOCK                                    | 604                             | 604           | 604           | 604            | 604            | 604            |
| IRRIGATION                                   | 652                             | 652           | 652           | 652            | 652            | 652            |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>2,990</b>                    | <b>2,992</b>  | <b>2,943</b>  | <b>2,947</b>   | <b>2,466</b>   | <b>2,461</b>   |
| <b>REFUGIO COUNTY TOTAL DEMAND</b>           | <b>3,036</b>                    | <b>3,038</b>  | <b>2,988</b>  | <b>2,991</b>   | <b>2,507</b>   | <b>2,502</b>   |
| <b>UVALDE COUNTY</b>                         |                                 |               |               |                |                |                |
| <b>NUECES BASIN</b>                          |                                 |               |               |                |                |                |
| SABINAL                                      | 445                             | 477           | 505           | 536            | 569            | 601            |
| UVALDE                                       | 4,052                           | 4,342         | 4,593         | 4,881          | 5,181          | 5,474          |
| COUNTY-OTHER                                 | 1,395                           | 1,476         | 1,546         | 1,635          | 1,734          | 1,831          |
| MANUFACTURING                                | 289                             | 300           | 311           | 321            | 342            | 364            |
| MINING                                       | 2,661                           | 2,916         | 3,037         | 3,279          | 3,564          | 3,874          |
| LIVESTOCK                                    | 1,031                           | 1,031         | 1,031         | 1,031          | 1,031          | 1,031          |
| IRRIGATION                                   | 65,722                          | 63,152        | 60,682        | 58,310         | 56,030         | 54,004         |
| <b>NUECES BASIN TOTAL DEMAND</b>             | <b>75,595</b>                   | <b>73,694</b> | <b>71,705</b> | <b>69,993</b>  | <b>68,451</b>  | <b>67,179</b>  |
| <b>UVALDE COUNTY TOTAL DEMAND</b>            | <b>75,595</b>                   | <b>73,694</b> | <b>71,705</b> | <b>69,993</b>  | <b>68,451</b>  | <b>67,179</b>  |
| <b>VICTORIA COUNTY</b>                       |                                 |               |               |                |                |                |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |                |                |                |
| VICTORIA                                     | 11,532                          | 12,109        | 12,555        | 13,007         | 13,432         | 13,797         |
| COUNTY-OTHER                                 | 1,802                           | 1,845         | 1,875         | 1,921          | 1,976          | 2,026          |
| MANUFACTURING                                | 30,977                          | 33,815        | 36,640        | 39,165         | 42,005         | 45,051         |
| MINING                                       | 36                              | 38            | 28            | 21             | 14             | 9              |
| STEAM ELECTRIC POWER                         | 5,530                           | 30,802        | 38,202        | 54,623         | 71,720         | 71,720         |
| LIVESTOCK                                    | 535                             | 535           | 535           | 535            | 535            | 535            |
| IRRIGATION                                   | 2,546                           | 2,546         | 2,546         | 2,546          | 2,546          | 2,546          |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>52,958</b>                   | <b>81,690</b> | <b>92,381</b> | <b>111,818</b> | <b>132,228</b> | <b>135,684</b> |
| <b>LAVACA BASIN</b>                          |                                 |               |               |                |                |                |
| COUNTY-OTHER                                 | 5                               | 5             | 5             | 5              | 5              | 5              |
| LIVESTOCK                                    | 5                               | 5             | 5             | 5              | 5              | 5              |
| <b>LAVACA BASIN TOTAL DEMAND</b>             | <b>10</b>                       | <b>10</b>     | <b>10</b>     | <b>10</b>      | <b>10</b>      | <b>10</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                |                                 |               |               |                |                |                |
| VICTORIA                                     | 5,578                           | 5,857         | 6,074         | 6,292          | 6,498          | 6,674          |
| COUNTY-OTHER                                 | 1,234                           | 1,264         | 1,287         | 1,318          | 1,357          | 1,392          |
| MINING                                       | 33                              | 34            | 26            | 19             | 12             | 8              |
| LIVESTOCK                                    | 576                             | 576           | 576           | 576            | 576            | 576            |
| IRRIGATION                                   | 18,669                          | 18,669        | 18,669        | 18,669         | 18,669         | 18,669         |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b>   | <b>26,090</b>                   | <b>26,400</b> | <b>26,632</b> | <b>26,874</b>  | <b>27,112</b>  | <b>27,319</b>  |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |                |                |                |                |                |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                       | 2020                            | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>VICTORIA COUNTY</b>                |                                 |                |                |                |                |                |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| COUNTY-OTHER                          | 9                               | 9              | 9              | 9              | 10             | 10             |
| MINING                                | 3                               | 3              | 2              | 1              | 1              | 1              |
| LIVESTOCK                             | 49                              | 49             | 49             | 49             | 49             | 49             |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>61</b>                       | <b>61</b>      | <b>60</b>      | <b>59</b>      | <b>60</b>      | <b>60</b>      |
| <b>VICTORIA COUNTY TOTAL DEMAND</b>   | <b>79,119</b>                   | <b>108,161</b> | <b>119,083</b> | <b>138,761</b> | <b>159,410</b> | <b>163,073</b> |
| <b>WILSON COUNTY</b>                  |                                 |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                |                                 |                |                |                |                |                |
| NIXON                                 | 2                               | 2              | 2              | 3              | 3              | 3              |
| SUNKO WSC                             | 5                               | 6              | 7              | 7              | 8              | 8              |
| COUNTY-OTHER                          | 40                              | 49             | 57             | 64             | 71             | 78             |
| MINING                                | 174                             | 139            | 105            | 70             | 36             | 18             |
| LIVESTOCK                             | 108                             | 108            | 108            | 108            | 108            | 108            |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>329</b>                      | <b>304</b>     | <b>279</b>     | <b>252</b>     | <b>226</b>     | <b>215</b>     |
| <b>NUECES BASIN</b>                   |                                 |                |                |                |                |                |
| MCCOY WSC                             | 43                              | 51             | 59             | 67             | 75             | 81             |
| COUNTY-OTHER                          | 50                              | 59             | 69             | 78             | 87             | 95             |
| MINING                                | 174                             | 139            | 105            | 70             | 36             | 18             |
| LIVESTOCK                             | 108                             | 108            | 108            | 108            | 108            | 108            |
| IRRIGATION                            | 4,884                           | 4,343          | 3,865          | 3,445          | 3,081          | 2,810          |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>5,259</b>                    | <b>4,700</b>   | <b>4,206</b>   | <b>3,768</b>   | <b>3,387</b>   | <b>3,112</b>   |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| EAST CENTRAL SUD                      | 157                             | 187            | 215            | 242            | 270            | 295            |
| EL OSO WSC                            | 39                              | 47             | 54             | 61             | 65             | 71             |
| ELMENDORF                             | 3                               | 3              | 4              | 4              | 4              | 5              |
| FLORESVILLE                           | 1,940                           | 2,344          | 2,741          | 3,106          | 3,460          | 3,781          |
| LA VERNIA                             | 277                             | 335            | 391            | 443            | 494            | 539            |
| MCCOY WSC                             | 4                               | 5              | 5              | 6              | 6              | 7              |
| OAK HILLS WSC                         | 904                             | 1,090          | 1,275          | 1,444          | 1,608          | 1,757          |
| POTH                                  | 387                             | 462            | 537            | 607            | 676            | 738            |
| S S WSC                               | 1,986                           | 2,384          | 2,782          | 3,147          | 3,503          | 3,827          |
| STOCKDALE                             | 384                             | 462            | 539            | 610            | 679            | 742            |
| SUNKO WSC                             | 783                             | 935            | 1,100          | 1,216          | 1,270          | 1,388          |
| COUNTY-OTHER                          | 1,403                           | 1,685          | 1,967          | 2,225          | 2,477          | 2,705          |
| MANUFACTURING                         | 10                              | 10             | 10             | 10             | 10             | 10             |
| MINING                                | 1,581                           | 1,270          | 955            | 642            | 327            | 168            |
| LIVESTOCK                             | 1,521                           | 1,521          | 1,521          | 1,521          | 1,521          | 1,521          |
| IRRIGATION                            | 7,298                           | 6,488          | 5,775          | 5,147          | 4,604          | 4,199          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>18,677</b>                   | <b>19,228</b>  | <b>19,871</b>  | <b>20,431</b>  | <b>20,974</b>  | <b>21,753</b>  |
| <b>WILSON COUNTY TOTAL DEMAND</b>     | <b>24,265</b>                   | <b>24,232</b>  | <b>24,356</b>  | <b>24,451</b>  | <b>24,587</b>  | <b>25,080</b>  |
| <b>ZAVALA COUNTY</b>                  |                                 |                |                |                |                |                |
| <b>NUECES BASIN</b>                   |                                 |                |                |                |                |                |
| CRYSTAL CITY                          | 1,702                           | 1,858          | 2,000          | 2,160          | 2,312          | 2,455          |
| ZAVALA COUNTY WCID #1                 | 477                             | 525            | 567            | 613            | 656            | 697            |
| COUNTY-OTHER                          | 572                             | 618            | 672            | 727            | 778            | 826            |
| MANUFACTURING                         | 946                             | 987            | 1,026          | 1,058          | 1,124          | 1,194          |
| MINING                                | 2,531                           | 2,257          | 1,977          | 1,559          | 932            | 557            |

**WUG DEMAND**

| <b>REGION L</b>                   | <b>WUG DEMAND (ACRE-FEET PER YEAR)</b> |                  |                  |                  |                  |                  |
|-----------------------------------|----------------------------------------|------------------|------------------|------------------|------------------|------------------|
|                                   | <b>2020</b>                            | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| <b>ZAVALA COUNTY</b>              |                                        |                  |                  |                  |                  |                  |
| <b>NUECES BASIN</b>               |                                        |                  |                  |                  |                  |                  |
| LIVESTOCK                         | 1,058                                  | 1,058            | 1,058            | 1,058            | 1,058            | 1,058            |
| IRRIGATION                        | 44,222                                 | 42,475           | 40,797           | 39,185           | 37,636           | 36,262           |
| <b>NUECES BASIN TOTAL DEMAND</b>  | <b>51,508</b>                          | <b>49,778</b>    | <b>48,097</b>    | <b>46,360</b>    | <b>44,496</b>    | <b>43,049</b>    |
| <b>ZAVALA COUNTY TOTAL DEMAND</b> | <b>51,508</b>                          | <b>49,778</b>    | <b>48,097</b>    | <b>46,360</b>    | <b>44,496</b>    | <b>43,049</b>    |
|                                   |                                        |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL DEMAND</b>      | <b>1,070,354</b>                       | <b>1,156,030</b> | <b>1,219,229</b> | <b>1,290,567</b> | <b>1,366,447</b> | <b>1,433,835</b> |

**SOURCE AVAILABILITY**

| <b>REGION L</b>        |               |              |                 |                                                 |             |             |             |             |             |
|------------------------|---------------|--------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>     | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                        |               |              |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| AUSTIN CHALK AQUIFER   | UVALDE        | NUECES       | FRESH           | 2,935                                           | 2,935       | 2,935       | 2,935       | 2,935       | 2,935       |
| BUDA LIMESTONE AQUIFER | UVALDE        | NUECES       | FRESH           | 758                                             | 758         | 758         | 758         | 758         | 758         |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | NUECES       | FRESH           | 68,656                                          | 70,249      | 71,827      | 73,666      | 75,688      | 75,688      |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | SAN ANTONIO  | FRESH           | 120                                             | 120         | 120         | 120         | 120         | 120         |
| CARRIZO-WILCOX AQUIFER | BEXAR         | NUECES       | FRESH           | 14,198                                          | 14,198      | 14,198      | 14,198      | 14,198      | 14,198      |
| CARRIZO-WILCOX AQUIFER | BEXAR         | SAN ANTONIO  | FRESH           | 12,080                                          | 12,080      | 12,080      | 12,080      | 11,909      | 11,909      |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | COLORADO     | FRESH           | 593                                             | 593         | 593         | 593         | 593         | 593         |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | GUADALUPE    | FRESH           | 43,951                                          | 43,543      | 43,543      | 42,967      | 42,967      | 42,967      |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | NUECES       | FRESH           | 3,253                                           | 3,253       | 3,253       | 3,253       | 3,253       | 3,253       |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | RIO GRANDE   | FRESH           | 106                                             | 106         | 106         | 106         | 106         | 106         |
| CARRIZO-WILCOX AQUIFER | FRIO          | NUECES       | FRESH           | 79,089                                          | 76,734      | 74,439      | 72,222      | 70,030      | 70,030      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | GUADALUPE    | FRESH           | 62,101                                          | 70,102      | 75,576      | 75,755      | 75,755      | 75,755      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | LAVACA       | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | GUADALUPE    | FRESH           | 9,460                                           | 9,910       | 11,648      | 12,168      | 12,668      | 12,668      |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | SAN ANTONIO  | FRESH           | 1,373                                           | 1,373       | 1,373       | 1,373       | 1,373       | 1,373       |
| CARRIZO-WILCOX AQUIFER | KARNES        | GUADALUPE    | FRESH           | 195                                             | 207         | 215         | 220         | 224         | 224         |
| CARRIZO-WILCOX AQUIFER | KARNES        | NUECES       | FRESH           | 92                                              | 97          | 101         | 103         | 105         | 105         |
| CARRIZO-WILCOX AQUIFER | KARNES        | SAN ANTONIO  | FRESH           | 830                                             | 878         | 915         | 936         | 951         | 951         |
| CARRIZO-WILCOX AQUIFER | LA SALLE      | NUECES       | FRESH           | 6,454                                           | 6,454       | 6,454       | 6,454       | 6,454       | 6,454       |
| CARRIZO-WILCOX AQUIFER | MEDINA        | NUECES       | FRESH           | 2,519                                           | 2,507       | 2,507       | 2,507       | 2,507       | 2,507       |
| CARRIZO-WILCOX AQUIFER | MEDINA        | SAN ANTONIO  | FRESH           | 26                                              | 26          | 26          | 26          | 26          | 26          |
| CARRIZO-WILCOX AQUIFER | UVALDE        | NUECES       | FRESH           | 1,230                                           | 828         | 828         | 828         | 828         | 828         |
| CARRIZO-WILCOX AQUIFER | WILSON        | GUADALUPE    | FRESH           | 672                                             | 731         | 791         | 861         | 938         | 938         |
| CARRIZO-WILCOX AQUIFER | WILSON        | NUECES       | FRESH           | 7,311                                           | 7,505       | 7,703       | 7,932       | 8,185       | 8,185       |
| CARRIZO-WILCOX AQUIFER | WILSON        | SAN ANTONIO  | FRESH           | 29,003                                          | 30,481      | 31,992      | 33,738      | 35,671      | 35,671      |
| CARRIZO-WILCOX AQUIFER | ZAVALA        | NUECES       | FRESH           | 35,859                                          | 35,521      | 35,388      | 35,288      | 34,969      | 34,969      |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | NUECES       | FRESH           | 154                                             | 154         | 154         | 154         | 154         | 154         |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | SAN ANTONIO  | FRESH           | 72                                              | 72          | 72          | 72          | 72          | 72          |
| EDWARDS-BFZ AQUIFER    | BEXAR         | SAN ANTONIO  | FRESH           | 213,671                                         | 213,671     | 213,671     | 213,671     | 213,671     | 213,671     |
| EDWARDS-BFZ AQUIFER    | CALDWELL      | COLORADO     | SALINE          | 64                                              | 64          | 64          | 64          | 64          | 64          |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                  |               |                    |                 |                                                 |             |             |             |             |             |
|----------------------------------|---------------|--------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>               | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                  |               |                    |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| EDWARDS-BFZ AQUIFER              | CALDWELL      | GUADALUPE          | SALINE          | 134                                             | 134         | 134         | 134         | 134         | 134         |
| EDWARDS-BFZ AQUIFER              | COMAL         | GUADALUPE          | FRESH           | 13,271                                          | 13,271      | 13,271      | 13,271      | 13,271      | 13,271      |
| EDWARDS-BFZ AQUIFER              | COMAL         | SAN ANTONIO        | FRESH           | 287                                             | 287         | 287         | 287         | 287         | 287         |
| EDWARDS-BFZ AQUIFER              | FRIO          | NUECES             | FRESH           | 23,213                                          | 23,213      | 23,213      | 23,213      | 23,213      | 23,213      |
| EDWARDS-BFZ AQUIFER              | GUADALUPE     | GUADALUPE          | FRESH           | 208                                             | 208         | 208         | 208         | 208         | 208         |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | FRESH           | 7,802                                           | 7,802       | 7,802       | 7,802       | 7,802       | 7,802       |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | SALINE          | 235                                             | 235         | 235         | 235         | 235         | 235         |
| EDWARDS-BFZ AQUIFER              | MEDINA        | NUECES             | FRESH           | 19,373                                          | 19,373      | 19,373      | 19,373      | 19,373      | 19,373      |
| EDWARDS-BFZ AQUIFER              | MEDINA        | SAN ANTONIO        | FRESH           | 6,620                                           | 6,620       | 6,620       | 6,620       | 6,620       | 6,620       |
| EDWARDS-BFZ AQUIFER              | UVALDE        | NUECES             | FRESH           | 31,714                                          | 31,714      | 31,714      | 31,714      | 31,714      | 31,714      |
| EDWARDS-BFZ AQUIFER              | BEXAR         | NUECES             | FRESH           | 188                                             | 188         | 188         | 188         | 188         | 188         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | COLORADO           | FRESH           | 46                                              | 46          | 46          | 46          | 46          | 46          |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | GUADALUPE          | FRESH           | 103                                             | 103         | 103         | 103         | 103         | 103         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | SAN ANTONIO        | FRESH           | 169                                             | 169         | 169         | 169         | 169         | 169         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | UVALDE        | NUECES             | FRESH           | 1,635                                           | 1,635       | 1,635       | 1,635       | 1,635       | 1,635       |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL      | GUADALUPE          | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| GULF COAST AQUIFER               | CALHOUN       | COLORADO-LAVACA    | FRESH           | 361                                             | 361         | 361         | 361         | 361         | 361         |
| GULF COAST AQUIFER               | CALHOUN       | GUADALUPE          | FRESH           | 17                                              | 17          | 17          | 17          | 17          | 17          |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA             | FRESH           | 2                                               | 2           | 2           | 2           | 2           | 2           |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA-GUADALUPE   | FRESH           | 2,574                                           | 2,574       | 2,574       | 2,574       | 2,574       | 2,574       |
| GULF COAST AQUIFER               | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 41                                              | 41          | 41          | 41          | 41          | 41          |
| GULF COAST AQUIFER               | DEWITT        | GUADALUPE          | FRESH           | 10,548                                          | 10,548      | 10,548      | 10,548      | 10,548      | 10,548      |
| GULF COAST AQUIFER               | DEWITT        | LAVACA             | FRESH           | 2,932                                           | 2,926       | 2,915       | 2,912       | 2,912       | 2,912       |
| GULF COAST AQUIFER               | DEWITT        | LAVACA-GUADALUPE   | FRESH           | 417                                             | 417         | 417         | 417         | 417         | 417         |
| GULF COAST AQUIFER               | DEWITT        | SAN ANTONIO        | FRESH           | 739                                             | 739         | 739         | 739         | 739         | 739         |
| GULF COAST AQUIFER               | GOLIAD        | GUADALUPE          | FRESH           | 4,417                                           | 4,417       | 4,417       | 4,417       | 4,417       | 4,417       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO        | FRESH           | 6,121                                           | 6,121       | 6,121       | 6,121       | 6,121       | 6,121       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 1,161                                           | 1,161       | 1,161       | 1,161       | 1,161       | 1,161       |
| GULF COAST AQUIFER               | GONZALES      | GUADALUPE          | FRESH           | 1,901                                           | 1,901       | 1,901       | 1,901       | 1,901       | 1,901       |
| GULF COAST AQUIFER               | GONZALES      | LAVACA             | FRESH           | 182                                             | 182         | 182         | 182         | 182         | 182         |
| GULF COAST AQUIFER               | KARNES        | GUADALUPE          | FRESH           | 12                                              | 12          | 12          | 12          | 12          | 12          |
| GULF COAST AQUIFER               | KARNES        | NUECES             | FRESH           | 78                                              | 78          | 78          | 78          | 78          | 78          |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO        | FRESH           | 3,061                                           | 3,056       | 3,052       | 3,048       | 2,944       | 2,944       |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO-NUECES | FRESH           | 84                                              | 84          | 84          | 84          | 82          | 82          |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO        | FRESH           | 1,522                                           | 1,522       | 1,522       | 1,522       | 1,522       | 1,522       |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 27,806                                          | 27,806      | 27,806      | 27,806      | 27,806      | 27,806      |
| GULF COAST AQUIFER               | VICTORIA      | GUADALUPE          | FRESH           | 14,617                                          | 14,617      | 14,617      | 14,617      | 14,617      | 14,617      |



**SOURCE AVAILABILITY**

| <b>REGION L</b>      |               |                  |                 |                                                 |             |             |             |             |             |
|----------------------|---------------|------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>   | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                      |               |                  |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA           | FRESH           | 217                                             | 217         | 217         | 217         | 217         | 217         |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 19,924                                          | 19,924      | 19,924      | 19,924      | 19,924      | 19,924      |
| GULF COAST AQUIFER   | VICTORIA      | SAN ANTONIO      | FRESH           | 936                                             | 936         | 936         | 936         | 936         | 936         |
| LEONA GRAVEL AQUIFER | MEDINA        | NUECES           | FRESH           | 17,955                                          | 17,955      | 17,955      | 17,955      | 17,955      | 17,955      |
| LEONA GRAVEL AQUIFER | MEDINA        | SAN ANTONIO      | FRESH           | 4,062                                           | 4,062       | 4,062       | 4,062       | 4,062       | 4,062       |
| LEONA GRAVEL AQUIFER | UVALDE        | NUECES           | FRESH           | 9,385                                           | 9,385       | 9,385       | 9,385       | 9,385       | 9,385       |
| QUEEN CITY AQUIFER   | ATASCOSA      | NUECES           | FRESH           | 4,546                                           | 4,513       | 4,405       | 4,300       | 4,202       | 4,202       |
| QUEEN CITY AQUIFER   | CALDWELL      | GUADALUPE        | FRESH           | 306                                             | 306         | 306         | 306         | 306         | 306         |
| QUEEN CITY AQUIFER   | DIMMIT        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | DIMMIT        | RIO GRANDE       | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | FRIO          | NUECES           | FRESH           | 4,582                                           | 4,422       | 4,270       | 4,124       | 3,983       | 3,983       |
| QUEEN CITY AQUIFER   | GONZALES      | GUADALUPE        | FRESH           | 5,030                                           | 5,030       | 5,030       | 5,030       | 5,030       | 5,030       |
| QUEEN CITY AQUIFER   | GONZALES      | LAVACA           | FRESH           | 35                                              | 35          | 35          | 35          | 35          | 35          |
| QUEEN CITY AQUIFER   | GUADALUPE     | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | SAN ANTONIO      | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | LA SALLE      | NUECES           | FRESH           | 1                                               | 1           | 1           | 1           | 1           | 1           |
| QUEEN CITY AQUIFER   | WILSON        | GUADALUPE        | FRESH           | 114                                             | 101         | 90          | 80          | 72          | 72          |
| QUEEN CITY AQUIFER   | WILSON        | NUECES           | FRESH           | 132                                             | 117         | 104         | 93          | 83          | 83          |
| QUEEN CITY AQUIFER   | WILSON        | SAN ANTONIO      | FRESH           | 1,094                                           | 973         | 866         | 772         | 690         | 690         |
| QUEEN CITY AQUIFER   | ZAVALA        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | ATASCOSA      | NUECES           | FRESH           | 1,130                                           | 1,082       | 1,042       | 1,013       | 994         | 994         |
| SPARTA AQUIFER       | DIMMIT        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | FRIO          | NUECES           | FRESH           | 698                                             | 674         | 650         | 624         | 601         | 601         |
| SPARTA AQUIFER       | GONZALES      | GUADALUPE        | FRESH           | 3,529                                           | 3,529       | 3,529       | 3,529       | 3,529       | 3,529       |
| SPARTA AQUIFER       | GONZALES      | LAVACA           | FRESH           | 23                                              | 23          | 23          | 23          | 23          | 23          |
| SPARTA AQUIFER       | KARNES        | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | SAN ANTONIO      | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | LA SALLE      | NUECES           | FRESH           | 987                                             | 987         | 987         | 987         | 987         | 987         |
| SPARTA AQUIFER       | WILSON        | GUADALUPE        | FRESH           | 20                                              | 18          | 16          | 14          | 13          | 13          |
| SPARTA AQUIFER       | WILSON        | NUECES           | FRESH           | 49                                              | 44          | 39          | 34          | 31          | 31          |
| SPARTA AQUIFER       | WILSON        | SAN ANTONIO      | FRESH           | 154                                             | 137         | 121         | 108         | 97          | 97          |
| SPARTA AQUIFER       | ZAVALA        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | BEXAR         | NUECES           | FRESH           | 223                                             | 223         | 223         | 223         | 223         | 223         |
| TRINITY AQUIFER      | BEXAR         | SAN ANTONIO      | FRESH           | 44,854                                          | 44,854      | 44,854      | 44,854      | 44,854      | 44,854      |
| TRINITY AQUIFER      | CALDWELL      | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | COMAL         | GUADALUPE        | FRESH           | 34,082                                          | 34,082      | 34,082      | 34,082      | 34,082      | 34,082      |
| TRINITY AQUIFER      | COMAL         | SAN ANTONIO      | FRESH           | 5,416                                           | 5,416       | 5,416       | 5,416       | 5,416       | 5,416       |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
|----------------------------------------------|---------------|--------------|-----------------|-------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>GROUNDWATER</b>                           | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| TRINITY AQUIFER                              | GUADALUPE     | GUADALUPE    | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                              | GUADALUPE     | SAN ANTONIO  | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                              | HAYS          | GUADALUPE    | FRESH           | 7,270                                           | 7,270          | 7,270          | 7,270          | 7,270          | 7,270          |
| TRINITY AQUIFER                              | KENDALL       | COLORADO     | FRESH           | 135                                             | 135            | 135            | 135            | 135            | 135            |
| TRINITY AQUIFER                              | KENDALL       | GUADALUPE    | FRESH           | 6,028                                           | 6,028          | 6,028          | 6,028          | 6,028          | 6,028          |
| TRINITY AQUIFER                              | KENDALL       | SAN ANTONIO  | FRESH           | 4,976                                           | 4,976          | 4,976          | 4,976          | 4,976          | 4,976          |
| TRINITY AQUIFER                              | MEDINA        | NUECES       | FRESH           | 5,948                                           | 5,948          | 5,948          | 5,948          | 5,948          | 5,948          |
| TRINITY AQUIFER                              | MEDINA        | SAN ANTONIO  | FRESH           | 1,921                                           | 1,921          | 1,921          | 1,921          | 1,921          | 1,921          |
| TRINITY AQUIFER                              | UVALDE        | NUECES       | FRESH           | 639                                             | 639            | 639            | 639            | 639            | 639            |
| YEGUA-JACKSON AQUIFER                        | ATASCOSA      | NUECES       | FRESH           | 855                                             | 855            | 855            | 855            | 855            | 855            |
| YEGUA-JACKSON AQUIFER                        | FRIO          | NUECES       | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                        | GONZALES      | GUADALUPE    | FRESH           | 980                                             | 980            | 980            | 980            | 980            | 980            |
| YEGUA-JACKSON AQUIFER                        | GONZALES      | LAVACA       | FRESH           | 3                                               | 3              | 3              | 3              | 3              | 3              |
| YEGUA-JACKSON AQUIFER                        | KARNES        | GUADALUPE    | FRESH           | 112                                             | 112            | 112            | 112            | 112            | 112            |
| YEGUA-JACKSON AQUIFER                        | KARNES        | NUECES       | FRESH           | 34                                              | 34             | 34             | 34             | 34             | 34             |
| YEGUA-JACKSON AQUIFER                        | KARNES        | SAN ANTONIO  | FRESH           | 628                                             | 628            | 628            | 628            | 628            | 628            |
| YEGUA-JACKSON AQUIFER                        | LA SALLE      | NUECES       | FRESH           | 91                                              | 91             | 91             | 91             | 91             | 91             |
| YEGUA-JACKSON AQUIFER                        | WILSON        | GUADALUPE    | FRESH           | 48                                              | 48             | 48             | 48             | 48             | 48             |
| YEGUA-JACKSON AQUIFER                        | WILSON        | NUECES       | FRESH           | 184                                             | 184            | 184            | 184            | 184            | 184            |
| YEGUA-JACKSON AQUIFER                        | WILSON        | SAN ANTONIO  | FRESH           | 606                                             | 606            | 606            | 606            | 606            | 606            |
| <b>GROUNDWATER TOTAL SOURCE AVAILABILITY</b> |               |              |                 | <b>970,788</b>                                  | <b>978,664</b> | <b>986,351</b> | <b>987,621</b> | <b>989,243</b> | <b>989,243</b> |
| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
| <b>REUSE</b>                                 | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| DIRECT REUSE                                 | BEXAR         | SAN ANTONIO  | FRESH           | 11,412                                          | 11,412         | 11,412         | 11,412         | 11,412         | 11,412         |
| DIRECT REUSE                                 | COMAL         | GUADALUPE    | FRESH           | 107                                             | 107            | 107            | 107            | 107            | 107            |
| DIRECT REUSE                                 | GUADALUPE     | GUADALUPE    | FRESH           | 1,414                                           | 1,414          | 1,414          | 1,414          | 1,414          | 1,414          |
| DIRECT REUSE                                 | HAYS          | GUADALUPE    | FRESH           | 4,119                                           | 4,119          | 4,119          | 4,119          | 4,119          | 4,119          |
| DIRECT REUSE                                 | KARNES        | SAN ANTONIO  | FRESH           | 30                                              | 30             | 30             | 30             | 30             | 30             |
| DIRECT REUSE                                 | KENDALL       | GUADALUPE    | FRESH           | 264                                             | 264            | 264            | 264            | 264            | 264            |
| DIRECT REUSE                                 | KENDALL       | SAN ANTONIO  | FRESH           | 7                                               | 7              | 7              | 7              | 7              | 7              |
| <b>REUSE TOTAL SOURCE AVAILABILITY</b>       |               |              |                 | <b>17,353</b>                                   | <b>17,353</b>  | <b>17,353</b>  | <b>17,353</b>  | <b>17,353</b>  | <b>17,353</b>  |
| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
| <b>SURFACE WATER</b>                         | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| BOERNE LAKE/RESERVOIR                        | RESERVOIR     | SAN ANTONIO  | FRESH           | 645                                             | 645            | 645            | 645            | 645            | 645            |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                        |               |                 |                 |                                                 |             |             |             |             |             |
|----------------------------------------|---------------|-----------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                   | <b>COUNTY</b> | <b>BASIN</b>    | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                        |               |                 |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| CALAVERAS LAKE/RESERVOIR               | RESERVOIR     | SAN ANTONIO     | FRESH           | 36,900                                          | 36,900      | 36,900      | 36,900      | 36,900      | 36,900      |
| CANYON LAKE/RESERVOIR                  | RESERVOIR     | GUADALUPE       | FRESH           | 89,100                                          | 88,960      | 88,820      | 88,680      | 88,540      | 88,400      |
| COLETO CREEK LAKE/RESERVOIR            | RESERVOIR     | GUADALUPE       | FRESH           | 24,160                                          | 24,160      | 24,160      | 24,160      | 24,160      | 24,160      |
| COLORADO LIVESTOCK LOCAL SUPPLY        | CALDWELL      | COLORADO        | FRESH           | 30                                              | 30          | 30          | 30          | 30          | 30          |
| COLORADO LIVESTOCK LOCAL SUPPLY        | KENDALL       | COLORADO        | FRESH           | 6                                               | 6           | 6           | 6           | 6           | 6           |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN       | COLORADO-LAVACA | FRESH           | 64                                              | 64          | 64          | 64          | 64          | 64          |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | CALDWELL      | GUADALUPE       | FRESH           | 471                                             | 471         | 471         | 471         | 471         | 471         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | COMAL         | GUADALUPE       | FRESH           | 120                                             | 120         | 120         | 120         | 120         | 120         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | DEWITT        | GUADALUPE       | FRESH           | 631                                             | 631         | 631         | 631         | 631         | 631         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GOLIAD        | GUADALUPE       | FRESH           | 140                                             | 140         | 140         | 140         | 140         | 140         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GONZALES      | GUADALUPE       | FRESH           | 2,315                                           | 2,315       | 2,315       | 2,315       | 2,315       | 2,315       |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GUADALUPE     | GUADALUPE       | FRESH           | 523                                             | 523         | 523         | 523         | 523         | 523         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | HAYS          | GUADALUPE       | FRESH           | 204                                             | 204         | 204         | 204         | 204         | 204         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KARNES        | GUADALUPE       | FRESH           | 20                                              | 20          | 20          | 20          | 20          | 20          |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KENDALL       | GUADALUPE       | FRESH           | 159                                             | 159         | 159         | 159         | 159         | 159         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | VICTORIA      | GUADALUPE       | FRESH           | 339                                             | 339         | 339         | 339         | 339         | 339         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | WILSON        | GUADALUPE       | FRESH           | 54                                              | 54          | 54          | 54          | 54          | 54          |
| GUADALUPE RUN-OF-RIVER                 | CALDWELL      | GUADALUPE       | FRESH           | 1,296                                           | 1,296       | 1,296       | 1,296       | 1,296       | 1,296       |
| GUADALUPE RUN-OF-RIVER                 | CALHOUN       | GUADALUPE       | FRESH           | 41,543                                          | 41,543      | 41,543      | 41,543      | 41,543      | 41,543      |
| GUADALUPE RUN-OF-RIVER                 | COMAL         | GUADALUPE       | FRESH           | 2,001                                           | 2,001       | 2,001       | 2,001       | 2,001       | 2,001       |
| GUADALUPE RUN-OF-RIVER                 | GONZALES      | GUADALUPE       | FRESH           | 4,040                                           | 4,040       | 4,040       | 4,040       | 4,040       | 4,040       |
| GUADALUPE RUN-OF-RIVER                 | GUADALUPE     | GUADALUPE       | FRESH           | 7,639                                           | 7,639       | 7,639       | 7,639       | 7,639       | 7,639       |
| GUADALUPE RUN-OF-RIVER                 | HAYS          | GUADALUPE       | FRESH           | 130                                             | 130         | 130         | 130         | 130         | 130         |
| GUADALUPE RUN-OF-RIVER                 | KENDALL       | GUADALUPE       | FRESH           | 26                                              | 26          | 26          | 26          | 26          | 26          |
| GUADALUPE RUN-OF-RIVER                 | VICTORIA      | GUADALUPE       | FRESH           | 28,772                                          | 28,772      | 28,772      | 28,772      | 28,772      | 28,772      |
| LAVACA LIVESTOCK LOCAL SUPPLY          | DEWITT        | LAVACA          | FRESH           | 282                                             | 282         | 282         | 282         | 282         | 282         |
| LAVACA LIVESTOCK LOCAL SUPPLY          | GONZALES      | LAVACA          | FRESH           | 53                                              | 53          | 53          | 53          | 53          | 53          |
| LAVACA LIVESTOCK LOCAL SUPPLY          | VICTORIA      | LAVACA          | FRESH           | 2                                               | 2           | 2           | 2           | 2           | 2           |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                         |               |                  |                 |                                                 |             |             |             |             |             |
|-----------------------------------------|---------------|------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                    | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                         |               |                  |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN       | LAVACA-GUADALUPE | FRESH           | 92                                              | 92          | 92          | 92          | 92          | 92          |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT        | LAVACA-GUADALUPE | FRESH           | 9                                               | 9           | 9           | 9           | 9           | 9           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 218                                             | 218         | 218         | 218         | 218         | 218         |
| NUECES LIVESTOCK LOCAL SUPPLY           | ATASCOSA      | NUECES           | FRESH           | 754                                             | 754         | 754         | 754         | 754         | 754         |
| NUECES LIVESTOCK LOCAL SUPPLY           | BEXAR         | NUECES           | FRESH           | 177                                             | 177         | 177         | 177         | 177         | 177         |
| NUECES LIVESTOCK LOCAL SUPPLY           | DIMMIT        | NUECES           | FRESH           | 220                                             | 220         | 220         | 220         | 220         | 220         |
| NUECES LIVESTOCK LOCAL SUPPLY           | FRIO          | NUECES           | FRESH           | 497                                             | 497         | 497         | 497         | 497         | 497         |
| NUECES LIVESTOCK LOCAL SUPPLY           | LA SALLE      | NUECES           | FRESH           | 305                                             | 305         | 305         | 305         | 305         | 305         |
| NUECES LIVESTOCK LOCAL SUPPLY           | MEDINA        | NUECES           | FRESH           | 519                                             | 519         | 519         | 519         | 519         | 519         |
| NUECES LIVESTOCK LOCAL SUPPLY           | UVALDE        | NUECES           | FRESH           | 516                                             | 516         | 516         | 516         | 516         | 516         |
| NUECES LIVESTOCK LOCAL SUPPLY           | WILSON        | NUECES           | FRESH           | 54                                              | 54          | 55          | 55          | 56          | 56          |
| NUECES LIVESTOCK LOCAL SUPPLY           | ZAVALA        | NUECES           | FRESH           | 594                                             | 594         | 594         | 594         | 594         | 594         |
| NUECES RUN-OF-RIVER                     | DIMMIT        | NUECES           | FRESH           | 2,262                                           | 2,262       | 2,262       | 2,262       | 2,262       | 2,262       |
| NUECES RUN-OF-RIVER                     | LA SALLE      | NUECES           | FRESH           | 705                                             | 705         | 705         | 705         | 705         | 705         |
| NUECES RUN-OF-RIVER                     | UVALDE        | NUECES           | FRESH           | 720                                             | 720         | 720         | 720         | 720         | 720         |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY       | DIMMIT        | RIO GRANDE       | FRESH           | 24                                              | 24          | 24          | 24          | 24          | 24          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | BEXAR         | SAN ANTONIO      | FRESH           | 402                                             | 402         | 402         | 402         | 402         | 402         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | COMAL         | SAN ANTONIO      | FRESH           | 9                                               | 9           | 9           | 9           | 9           | 9           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | DEWITT        | SAN ANTONIO      | FRESH           | 75                                              | 75          | 75          | 75          | 75          | 75          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO      | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO      | FRESH           | 547                                             | 548         | 548         | 549         | 558         | 558         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KENDALL       | SAN ANTONIO      | FRESH           | 33                                              | 33          | 33          | 33          | 33          | 33          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | MEDINA        | SAN ANTONIO      | FRESH           | 63                                              | 63          | 63          | 63          | 63          | 63          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO      | FRESH           | 16                                              | 16          | 16          | 16          | 16          | 16          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | VICTORIA      | SAN ANTONIO      | FRESH           | 24                                              | 24          | 24          | 24          | 24          | 24          |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                                |               |                    |                 |                                                 |                  |                  |                  |                  |                  |
|------------------------------------------------|---------------|--------------------|-----------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|
| <b>SURFACE WATER</b>                           | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                  |                  |                  |                  |                  |
|                                                |               |                    |                 | <b>2020</b>                                     | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY             | WILSON        | SAN ANTONIO        | FRESH           | 759                                             | 759              | 759              | 759              | 759              | 759              |
| SAN ANTONIO RUN-OF-RIVER                       | BEXAR         | SAN ANTONIO        | FRESH           | 6,118                                           | 6,118            | 6,118            | 6,118            | 6,118            | 6,118            |
| SAN ANTONIO RUN-OF-RIVER                       | GOLIAD        | SAN ANTONIO        | FRESH           | 2,425                                           | 2,425            | 2,425            | 2,425            | 2,425            | 2,425            |
| SAN ANTONIO RUN-OF-RIVER                       | KARNES        | SAN ANTONIO        | FRESH           | 725                                             | 725              | 725              | 725              | 725              | 725              |
| SAN ANTONIO RUN-OF-RIVER                       | WILSON        | SAN ANTONIO        | FRESH           | 1,770                                           | 1,770            | 1,770            | 1,770            | 1,770            | 1,770            |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 16                                              | 16               | 16               | 16               | 16               | 16               |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 209                                             | 209              | 209              | 209              | 209              | 209              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO-NUECES | FRESH           | 10                                              | 10               | 10               | 10               | 10               | 10               |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 302                                             | 302              | 302              | 302              | 302              | 302              |
| VICTOR BRAUNIG LAKE/RESERVOIR                  | RESERVOIR     | SAN ANTONIO        | FRESH           | 12,000                                          | 12,000           | 12,000           | 12,000           | 12,000           | 12,000           |
| <b>SURFACE WATER TOTAL SOURCE AVAILABILITY</b> |               |                    |                 | <b>275,049</b>                                  | <b>274,910</b>   | <b>274,771</b>   | <b>274,632</b>   | <b>274,502</b>   | <b>274,362</b>   |
|                                                |               |                    |                 |                                                 |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL SOURCE AVAILABILITY</b>      |               |                    |                 | <b>1,263,190</b>                                | <b>1,270,927</b> | <b>1,278,475</b> | <b>1,279,606</b> | <b>1,281,098</b> | <b>1,280,958</b> |

**EXISTING WATER SUPPLY**

| REGION L                           | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                    |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| ATASCOSA COUNTY                    |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                       |                                              |                                      |        |        |        |        |        |
| BENTON CITY WSC                    | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,415                                | 1,399  | 1,393  | 1,392  | 1,395  | 1,400  |
| CHARLOTTE                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 690                                  | 690    | 690    | 690    | 690    | 690    |
| JOURDANTON                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 2,094                                | 2,094  | 2,094  | 2,094  | 2,094  | 2,094  |
| LYTLE                              | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 318                                  | 312    | 309    | 308    | 308    | 307    |
| MCCOY WSC                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,506                                | 1,502  | 1,499  | 1,496  | 1,494  | 1,493  |
| PLEASANTON                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 3,777                                | 3,777  | 3,777  | 3,777  | 3,777  | 3,777  |
| POTEET                             | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,418                                | 1,418  | 1,418  | 1,418  | 1,418  | 1,418  |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 60                                   | 58     | 58     | 58     | 60     | 58     |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 347                                  | 349    | 350    | 351    | 351    | 352    |
| SAN ANTONIO WATER SYSTEM           | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   SAN ANTONIO RUN-OF-RIVER                 | 94                                   | 96     | 96     | 96     | 96     | 96     |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   BEXAR COUNTY           | 121                                  | 122    | 122    | 122    | 123    | 122    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   COMAL COUNTY           | 7                                    | 7      | 7      | 7      | 7      | 7      |
| COUNTY-OTHER                       | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 616                                  | 616    | 616    | 616    | 616    | 616    |
| COUNTY-OTHER                       | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 700                                  | 700    | 700    | 700    | 700    | 700    |
| MANUFACTURING                      | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 12                                   | 12     | 12     | 12     | 12     | 12     |
| MINING                             | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 4,081                                | 4,043  | 3,935  | 3,212  | 2,478  | 2,043  |
| STEAM ELECTRIC POWER               | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 8,655                                | 8,655  | 8,655  | 8,655  | 8,655  | 8,655  |
| LIVESTOCK                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 382                                  | 382    | 382    | 382    | 382    | 382    |
| LIVESTOCK                          | L   NUECES LIVESTOCK LOCAL SUPPLY            | 754                                  | 754    | 754    | 754    | 754    | 754    |
| LIVESTOCK                          | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 239                                  | 239    | 239    | 239    | 239    | 239    |
| LIVESTOCK                          | L   YEGUA-JACKSON AQUIFER   ATASCOSA COUNTY  | 134                                  | 134    | 134    | 134    | 134    | 134    |
| IRRIGATION                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 22,806                               | 21,972 | 21,163 | 20,375 | 19,605 | 18,887 |
| IRRIGATION                         | L   EDWARDS-BFZ AQUIFER   ATASCOSA COUNTY    | 154                                  | 154    | 154    | 154    | 154    | 154    |
| IRRIGATION                         | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 1,924                                | 1,924  | 1,924  | 1,924  | 1,924  | 1,924  |
| IRRIGATION                         | L   SPARTA AQUIFER   ATASCOSA COUNTY         | 1,130                                | 1,082  | 1,042  | 1,013  | 994    | 994    |
| IRRIGATION                         | L   YEGUA-JACKSON AQUIFER   ATASCOSA COUNTY  | 314                                  | 314    | 314    | 314    | 314    | 314    |
| NUECES BASIN TOTAL EXISTING SUPPLY |                                              | 53,748                               | 52,805 | 51,837 | 50,293 | 48,774 | 47,622 |
| SAN ANTONIO BASIN                  |                                              |                                      |        |        |        |        |        |
| BENTON CITY WSC                    | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 175                                  | 173    | 172    | 173    | 173    | 173    |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |         |         |         |         |         |
|-----------------------------------------|----------------------------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|                                         |                                              | 2020                                 | 2030    | 2040    | 2050    | 2060    | 2070    |
| ATASCOSA COUNTY                         |                                              |                                      |         |         |         |         |         |
| SAN ANTONIO BASIN                       |                                              |                                      |         |         |         |         |         |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 117                                  | 117     | 117     | 117     | 117     | 117     |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 194                                  | 185     | 176     | 168     | 160     | 153     |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   ATASCOSA COUNTY    | 72                                   | 72      | 72      | 72      | 72      | 72      |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 558                                  | 547     | 537     | 530     | 522     | 515     |
| ATASCOSA COUNTY TOTAL EXISTING SUPPLY   |                                              | 54,306                               | 53,352  | 52,374  | 50,823  | 49,296  | 48,137  |
| BEXAR COUNTY                            |                                              |                                      |         |         |         |         |         |
| NUECES BASIN                            |                                              |                                      |         |         |         |         |         |
| ATASCOSA RURAL WSC                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 24                                   | 24      | 24      | 24      | 24      | 24      |
| LYTLE                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 8                                    | 9       | 10      | 10      | 10      | 11      |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 314                                  | 314     | 314     | 314     | 314     | 314     |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY            | 177                                  | 177     | 177     | 177     | 177     | 177     |
| LIVESTOCK                               | L   TRINITY AQUIFER   BEXAR COUNTY           | 1                                    | 1       | 1       | 1       | 1       | 1       |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 50                                   | 50      | 50      | 50      | 50      | 50      |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 188                                  | 188     | 188     | 188     | 188     | 188     |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                              | 762                                  | 763     | 764     | 764     | 764     | 765     |
| SAN ANTONIO BASIN                       |                                              |                                      |         |         |         |         |         |
| SAN ANTONIO                             | L   CANYON LAKE/RESERVOIR                    | 6,060                                | 6,060   | 4,043   | 4,043   | 4,043   | 4,043   |
| SAN ANTONIO                             | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 7,400                                | 7,400   | 7,400   | 7,400   | 7,400   | 7,400   |
| SAN ANTONIO                             | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 13,765                               | 13,764  | 13,764  | 13,764  | 13,764  | 13,764  |
| SAN ANTONIO                             | L   DIRECT REUSE                             | 6,776                                | 6,776   | 6,776   | 6,776   | 6,776   | 6,776   |
| SAN ANTONIO                             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 137,241                              | 136,637 | 136,076 | 135,490 | 134,906 | 134,363 |
| SAN ANTONIO                             | L   GUADALUPE RUN-OF-RIVER                   | 270                                  | 270     | 270     | 270     | 270     | 270     |
| SAN ANTONIO                             | L   TRINITY AQUIFER   BEXAR COUNTY           | 2,000                                | 2,000   | 2,000   | 2,000   | 2,000   | 2,000   |
| ALAMO HEIGHTS                           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,420                                | 1,420   | 1,420   | 1,420   | 1,420   | 1,420   |
| ATASCOSA RURAL WSC                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 405                                  | 405     | 405     | 405     | 405     | 405     |
| BALCONES HEIGHTS                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 518                                  | 566     | 612     | 662     | 711     | 758     |
| CASTLE HILLS                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 395                                  | 375     | 359     | 351     | 350     | 349     |
| CHINA GROVE                             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 316                                  | 350     | 381     | 413     | 445     | 474     |
| CONVERSE                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 500                                  | 500     | 500     | 500     | 500     | 500     |
| CONVERSE                                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,133                                | 1,133   | 1,133   | 1,133   | 1,133   | 1,133   |
| ELMENDORF                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 308                                  | 394     | 474     | 552     | 625     | 691     |
| GREEN VALLEY SUD                        | L   CANYON LAKE/RESERVOIR                    | 147                                  | 138     | 132     | 127     | 123     | 116     |
| GREEN VALLEY SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 40                                   | 39      | 37      | 35      | 34      | 32      |
| GREEN VALLEY SUD                        | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 39                                   | 36      | 34      | 34      | 32      | 31      |
| GREEN VALLEY SUD                        | L   TRINITY AQUIFER   BEXAR COUNTY           | 13                                   | 12      | 12      | 12      | 10      | 10      |
| HELOTES                                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,622                                | 1,998   | 2,349   | 2,690   | 3,005   | 3,295   |
| HILL COUNTRY VILLAGE                    | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 234                                  | 230     | 226     | 224     | 224     | 224     |

**EXISTING WATER SUPPLY**

| REGION L                 | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|--------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                          |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| BEXAR COUNTY             |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN        |                                              |                                      |        |        |        |        |        |
| HOLLYWOOD PARK           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 949                                  | 953    | 959    | 969    | 983    | 997    |
| KIRBY                    | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 805                                  | 805    | 805    | 805    | 805    | 805    |
| LACKLAND AFB             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 2,000                                | 2,000  | 2,000  | 2,000  | 2,000  | 2,000  |
| LEON VALLEY              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,763                                | 1,784  | 1,805  | 1,829  | 1,857  | 1,883  |
| LIVE OAK                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 3,189                                | 3,192  | 3,180  | 3,173  | 3,172  | 3,172  |
| OLMOS PARK               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 564                                  | 623    | 678    | 736    | 791    | 843    |
| SCHERTZ                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 357                                  | 296    | 301    | 291    | 282    | 263    |
| SCHERTZ                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 33                                   | 31     | 33     | 33     | 36     | 37     |
| SELMA                    | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 709                                  | 544    | 569    | 592    | 611    | 627    |
| SELMA                    | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 427                                  | 328    | 343    | 357    | 368    | 378    |
| SHAVANO PARK             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 679                                  | 679    | 679    | 679    | 679    | 679    |
| SOMERSET                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 221                                  | 240    | 259    | 279    | 300    | 319    |
| ST. HEDWIG               | L   CANYON LAKE/RESERVOIR                    | 146                                  | 179    | 210    | 243    | 276    | 307    |
| ST. HEDWIG               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 100                                  | 100    | 100    | 100    | 100    | 100    |
| ST. HEDWIG               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 100                                  | 100    | 100    | 100    | 100    | 100    |
| TERRELL HILLS            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,299                                | 1,276  | 1,257  | 1,247  | 1,245  | 1,245  |
| UNIVERSAL CITY           | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 800                                  | 800    | 800    | 800    | 800    | 800    |
| UNIVERSAL CITY           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1,979                                | 1,979  | 1,979  | 1,979  | 1,979  | 1,979  |
| WATER SERVICES INC       | L   TRINITY AQUIFER   BEXAR COUNTY           | 1,062                                | 1,052  | 1,041  | 1,032  | 1,023  | 1,015  |
| WINDCREST                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 877                                  | 877    | 877    | 877    | 877    | 877    |
| FAIR OAKS RANCH          | L   CANYON LAKE/RESERVOIR                    | 1,170                                | 1,064  | 979    | 912    | 857    | 811    |
| FAIR OAKS RANCH          | L   DIRECT REUSE                             | 354                                  | 322    | 296    | 276    | 259    | 245    |
| FAIR OAKS RANCH          | L   TRINITY AQUIFER   COMAL COUNTY           | 866                                  | 788    | 725    | 676    | 634    | 601    |
| RANDOLPH AFB             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 2,000                                | 2,000  | 2,000  | 2,000  | 2,000  | 2,000  |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 2,310                                | 2,272  | 2,240  | 2,216  | 2,194  | 2,178  |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 13,702                               | 13,467 | 13,285 | 13,138 | 13,013 | 12,909 |
| SAN ANTONIO WATER SYSTEM | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM | L   SAN ANTONIO RUN-OF-RIVER                 | 3,739                                | 3,675  | 3,625  | 3,585  | 3,551  | 3,522  |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   BEXAR COUNTY           | 4,789                                | 4,707  | 4,643  | 4,592  | 4,548  | 4,512  |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   COMAL COUNTY           | 277                                  | 273    | 269    | 266    | 263    | 261    |
| THE OAKS WSC             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 221                                  | 221    | 221    | 221    | 221    | 221    |
| THE OAKS WSC             | L   TRINITY AQUIFER   BEXAR COUNTY           | 270                                  | 270    | 270    | 270    | 270    | 270    |



**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |         |         |         |         |         |
|-----------------------------------------|----------------------------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|                                         |                                              | 2020                                 | 2030    | 2040    | 2050    | 2060    | 2070    |
| BEXAR COUNTY                            |                                              |                                      |         |         |         |         |         |
| SAN ANTONIO BASIN                       |                                              |                                      |         |         |         |         |         |
| VON ORMY                                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 140                                  | 140     | 140     | 140     | 140     | 140     |
| VON ORMY                                | L   TRINITY AQUIFER   BEXAR COUNTY           | 70                                   | 70      | 70      | 70      | 70      | 70      |
| EAST CENTRAL SUD                        | L   CANYON LAKE/RESERVOIR                    | 691                                  | 648     | 609     | 571     | 534     | 501     |
| EAST CENTRAL SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 645                                  | 630     | 618     | 606     | 596     | 587     |
| EAST CENTRAL SUD                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 264                                  | 255     | 247     | 239     | 232     | 225     |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 8,804                                | 8,804   | 8,804   | 8,804   | 8,804   | 8,804   |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 100                                  | 100     | 100     | 100     | 100     | 100     |
| COUNTY-OTHER                            | L   SAN ANTONIO RUN-OF-RIVER                 | 100                                  | 100     | 100     | 100     | 100     | 100     |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   BEXAR COUNTY           | 204                                  | 204     | 204     | 204     | 204     | 204     |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 2,699                                | 2,699   | 2,699   | 2,699   | 2,699   | 2,699   |
| MANUFACTURING                           | L   DIRECT REUSE                             | 4,076                                | 4,076   | 4,076   | 4,076   | 4,076   | 4,076   |
| MANUFACTURING                           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 18,841                               | 18,841  | 18,841  | 18,841  | 18,841  | 18,841  |
| MANUFACTURING                           | L   SAN ANTONIO RUN-OF-RIVER                 | 11                                   | 11      | 11      | 11      | 11      | 11      |
| MANUFACTURING                           | L   TRINITY AQUIFER   BEXAR COUNTY           | 5,776                                | 5,776   | 5,776   | 5,776   | 5,776   | 5,776   |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 400                                  | 400     | 400     | 400     | 400     | 400     |
| MINING                                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 4,562                                | 4,562   | 4,562   | 4,562   | 4,562   | 4,562   |
| MINING                                  | L   TRINITY AQUIFER   BEXAR COUNTY           | 2,858                                | 3,778   | 4,571   | 5,442   | 6,437   | 7,540   |
| STEAM ELECTRIC POWER                    | L   CALAVERAS LAKE/RESERVOIR                 | 36,900                               | 36,900  | 36,900  | 36,900  | 36,900  | 36,900  |
| STEAM ELECTRIC POWER                    | L   VICTOR BRAUNIG LAKE/RESERVOIR            | 12,000                               | 12,000  | 12,000  | 12,000  | 12,000  | 12,000  |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 14                                   | 14      | 14      | 14      | 14      | 14      |
| LIVESTOCK                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 511                                  | 511     | 511     | 511     | 511     | 511     |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 402                                  | 402     | 402     | 402     | 402     | 402     |
| LIVESTOCK                               | L   TRINITY AQUIFER   BEXAR COUNTY           | 53                                   | 53      | 53      | 53      | 53      | 53      |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 542                                  | 542     | 542     | 542     | 542     | 542     |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 3,768                                | 3,768   | 3,768   | 3,768   | 3,768   | 3,768   |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER                 | 1,962                                | 1,962   | 1,962   | 1,962   | 1,962   | 1,962   |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 334,752                              | 334,646 | 332,911 | 333,367 | 334,004 | 334,798 |
| BEXAR COUNTY TOTAL EXISTING SUPPLY      |                                              | 335,514                              | 335,409 | 333,675 | 334,131 | 334,768 | 335,563 |
| CALDWELL COUNTY                         |                                              |                                      |         |         |         |         |         |
| COLORADO BASIN                          |                                              |                                      |         |         |         |         |         |
| AQUA WSC                                | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 86                                   | 86      | 86      | 86      | 86      | 86      |
| CREEDMOOR-MAHA WSC                      | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 114                                  | 133     | 152     | 172     | 195     | 216     |
| MUSTANG RIDGE                           | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 32                                   | 43      | 53      | 66      | 78      | 91      |
| MUSTANG RIDGE                           | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 21                                   | 22      | 24      | 24      | 25      | 26      |
| MUSTANG RIDGE                           | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 16                                   | 17      | 18      | 18      | 19      | 19      |
| POLONIA WSC                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 400                                  | 398     | 397     | 395     | 394     | 390     |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 229                                  | 229     | 229     | 229     | 229     | 229     |

**EXISTING WATER SUPPLY**

| REGION L                             | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|--------------------------------------|----------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                      |                                              | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| CALDWELL COUNTY                      |                                              |                                      |       |       |       |       |       |
| COLORADO BASIN                       |                                              |                                      |       |       |       |       |       |
| COUNTY-OTHER                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 4                                    | 4     | 4     | 4     | 4     | 4     |
| MINING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 11                                   | 9     | 6     | 4     | 2     | 1     |
| LIVESTOCK                            | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 41                                   | 41    | 41    | 41    | 41    | 41    |
| LIVESTOCK                            | L   COLORADO LIVESTOCK LOCAL SUPPLY          | 30                                   | 30    | 30    | 30    | 30    | 30    |
| IRRIGATION                           | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 19                                   | 19    | 19    | 19    | 19    | 19    |
| COLORADO BASIN TOTAL EXISTING SUPPLY |                                              | 1,003                                | 1,031 | 1,059 | 1,088 | 1,122 | 1,152 |
| GUADALUPE BASIN                      |                                              |                                      |       |       |       |       |       |
| AQUA WSC                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 484                                  | 484   | 484   | 484   | 484   | 484   |
| COUNTY LINE WSC                      | L   CANYON LAKE/RESERVOIR                    | 103                                  | 83    | 61    | 39    | 18    | 0     |
| COUNTY LINE WSC                      | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 35                                   | 33    | 31    | 29    | 27    | 25    |
| CREEDMOOR-MAHA WSC                   | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 29                                   | 34    | 39    | 45    | 50    | 56    |
| GONZALES COUNTY WSC                  | L   CANYON LAKE/RESERVOIR                    | 19                                   | 21    | 22    | 23    | 25    | 25    |
| GONZALES COUNTY WSC                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 53                                   | 60    | 65    | 69    | 72    | 74    |
| LOCKHART                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 2,063                                | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 |
| LULING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1,083                                | 1,084 | 1,084 | 1,084 | 1,084 | 1,084 |
| MARTINDALE                           | L   CANYON LAKE/RESERVOIR                    | 90                                   | 90    | 90    | 90    | 90    | 90    |
| MARTINDALE                           | L   GUADALUPE RUN-OF-RIVER                   | 100                                  | 100   | 100   | 100   | 100   | 100   |
| MAXWELL WSC                          | L   CANYON LAKE/RESERVOIR                    | 359                                  | 368   | 373   | 375   | 376   | 376   |
| MAXWELL WSC                          | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 136                                  | 140   | 142   | 143   | 143   | 143   |
| MAXWELL WSC                          | L   GUADALUPE RUN-OF-RIVER                   | 543                                  | 557   | 565   | 568   | 569   | 569   |
| MUSTANG RIDGE                        | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 1                                    | 1     | 2     | 1     | 2     | 2     |
| MUSTANG RIDGE                        | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1                                    | 1     | 0     | 1     | 1     | 1     |
| MUSTANG RIDGE                        | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 0                                    | 0     | 0     | 1     | 0     | 0     |
| NIEDERWALD                           | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 3                                    | 3     | 2     | 2     | 2     | 2     |
| POLONIA WSC                          | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 858                                  | 853   | 845   | 834   | 818   | 798   |
| SAN MARCOS                           | L   CANYON LAKE/RESERVOIR                    | 2                                    | 2     | 2     | 3     | 3     | 3     |
| SAN MARCOS                           | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 1                                    | 1     | 1     | 1     | 1     | 1     |
| GOFORTH SUD                          | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 0                                    | 0     | 0     | 0     | 0     | 0     |
| GOFORTH SUD                          | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 3                                    | 3     | 3     | 2     | 2     | 2     |
| GOFORTH SUD                          | L   TRINITY AQUIFER   HAYS COUNTY            | 38                                   | 46    | 53    | 62    | 71    | 79    |
| UHLAND                               | L   CANYON LAKE/RESERVOIR                    | 79                                   | 94    | 110   | 126   | 142   | 158   |
| COUNTY-OTHER                         | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1,086                                | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 |
| COUNTY-OTHER                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 55                                   | 55    | 55    | 55    | 55    | 55    |
| COUNTY-OTHER                         | L   GUADALUPE RUN-OF-RIVER                   | 500                                  | 500   | 500   | 500   | 500   | 500   |
| COUNTY-OTHER                         | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 141                                  | 141   | 141   | 141   | 141   | 141   |

**EXISTING WATER SUPPLY**

| REGION L                                    | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                             |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| CALDWELL COUNTY                             |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                             |                                              |                                      |        |        |        |        |        |
| MANUFACTURING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 13                                   | 13     | 13     | 13     | 13     | 13     |
| MINING                                      | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 112                                  | 89     | 66     | 42     | 18     | 8      |
| LIVESTOCK                                   | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 449                                  | 449    | 449    | 449    | 449    | 449    |
| LIVESTOCK                                   | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 471                                  | 471    | 471    | 471    | 471    | 471    |
| LIVESTOCK                                   | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 17                                   | 17     | 17     | 17     | 17     | 17     |
| IRRIGATION                                  | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 556                                  | 556    | 556    | 556    | 556    | 556    |
| IRRIGATION                                  | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 77                                   | 77     | 77     | 77     | 77     | 77     |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY       |                                              | 9,560                                | 9,575  | 9,568  | 9,552  | 9,526  | 9,508  |
| CALDWELL COUNTY TOTAL EXISTING SUPPLY       |                                              | 10,563                               | 10,606 | 10,627 | 10,640 | 10,648 | 10,660 |
| CALHOUN COUNTY                              |                                              |                                      |        |        |        |        |        |
| COLORADO-LAVACA BASIN                       |                                              |                                      |        |        |        |        |        |
| POINT COMFORT                               | P   TEXANA LAKE/RESERVOIR                    | 178                                  | 178    | 178    | 178    | 178    | 178    |
| COUNTY-OTHER                                | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 170                                  | 170    | 169    | 170    | 170    | 169    |
| MANUFACTURING                               | L   GUADALUPE RUN-OF-RIVER                   | 18,865                               | 18,865 | 18,865 | 18,865 | 18,865 | 18,865 |
| MANUFACTURING                               | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 195                                  | 195    | 195    | 195    | 195    | 195    |
| MANUFACTURING                               | P   TEXANA LAKE/RESERVOIR                    | 16,857                               | 16,857 | 16,857 | 16,857 | 16,858 | 16,857 |
| MINING                                      | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 28                                   | 27     | 28     | 28     | 28     | 28     |
| LIVESTOCK                                   | L   COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY   | 64                                   | 64     | 64     | 64     | 64     | 64     |
| LIVESTOCK                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 2                                    | 2      | 2      | 2      | 2      | 2      |
| IRRIGATION                                  | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 148                                  | 148    | 148    | 148    | 148    | 148    |
| COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY |                                              | 36,507                               | 36,506 | 36,506 | 36,507 | 36,508 | 36,506 |
| GUADALUPE BASIN                             |                                              |                                      |        |        |        |        |        |
| LIVESTOCK                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 2                                    | 2      | 2      | 2      | 2      | 2      |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY       |                                              | 2                                    | 2      | 2      | 2      | 2      | 2      |
| LAVACA-GUADALUPE BASIN                      |                                              |                                      |        |        |        |        |        |
| CALHOUN COUNTY WS                           | L   GUADALUPE RUN-OF-RIVER                   | 1,500                                | 1,500  | 1,500  | 1,500  | 1,500  | 1,500  |
| PORT LAVACA                                 | L   GUADALUPE RUN-OF-RIVER                   | 4,480                                | 4,480  | 4,480  | 4,480  | 4,480  | 4,480  |
| PORT O'CONNOR MUD                           | L   GUADALUPE RUN-OF-RIVER                   | 1,120                                | 1,120  | 1,120  | 1,120  | 1,120  | 1,120  |
| PORT O'CONNOR MUD                           | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 200                                  | 200    | 200    | 200    | 200    | 200    |
| SEADRIFT                                    | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 728                                  | 728    | 728    | 728    | 728    | 728    |
| COUNTY-OTHER                                | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 231                                  | 232    | 232    | 231    | 231    | 233    |
| MANUFACTURING                               | L   CANYON LAKE/RESERVOIR                    | 100                                  | 100    | 100    | 100    | 100    | 100    |
| MANUFACTURING                               | L   GUADALUPE RUN-OF-RIVER                   | 15,435                               | 15,435 | 15,435 | 15,435 | 15,435 | 15,435 |
| MANUFACTURING                               | P   TEXANA LAKE/RESERVOIR                    | 13,793                               | 13,793 | 13,793 | 13,793 | 13,792 | 13,793 |
| MINING                                      | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 27                                   | 28     | 27     | 27     | 27     | 27     |
| LIVESTOCK                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 168                                  | 168    | 168    | 168    | 168    | 168    |
| LIVESTOCK                                   | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY  | 92                                   | 92     | 92     | 92     | 92     | 92     |
| IRRIGATION                                  | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 1,051                                | 1,051  | 1,051  | 1,051  | 1,051  | 1,051  |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|--------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                                        | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| CALHOUN COUNTY                                 |                                                        |                                      |        |        |        |        |        |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                                        | 38,925                               | 38,927 | 38,926 | 38,925 | 38,924 | 38,927 |
| SAN ANTONIO-NUECES BASIN                       |                                                        |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 24                                   | 23     | 24     | 24     | 24     | 23     |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY          | 16                                   | 16     | 16     | 16     | 16     | 16     |
| IRRIGATION                                     |                                                        | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                        | 40                                   | 39     | 40     | 40     | 40     | 39     |
| CALHOUN COUNTY TOTAL EXISTING SUPPLY           |                                                        | 75,474                               | 75,474 | 75,474 | 75,474 | 75,474 | 75,474 |
| COMAL COUNTY                                   |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                                        |                                      |        |        |        |        |        |
| CRYSTAL CLEAR WSC                              | L   CANYON LAKE/RESERVOIR                              | 153                                  | 149    | 144    | 140    | 136    | 133    |
| CRYSTAL CLEAR WSC                              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 36                                   | 35     | 33     | 32     | 31     | 30     |
| CRYSTAL CLEAR WSC                              | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 6                                    | 6      | 6      | 5      | 5      | 5      |
| CRYSTAL CLEAR WSC                              | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 120                                  | 117    | 113    | 111    | 107    | 104    |
| CRYSTAL CLEAR WSC                              | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 26                                   | 24     | 24     | 24     | 23     | 21     |
| GARDEN RIDGE                                   | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 213                                  | 213    | 213    | 213    | 213    | 213    |
| GARDEN RIDGE                                   | L   TRINITY AQUIFER   COMAL COUNTY                     | 196                                  | 196    | 195    | 195    | 196    | 195    |
| GREEN VALLEY SUD                               | L   CANYON LAKE/RESERVOIR                              | 16                                   | 18     | 18     | 19     | 19     | 20     |
| GREEN VALLEY SUD                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 5                                    | 5      | 5      | 5      | 5      | 5      |
| GREEN VALLEY SUD                               | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 4                                    | 5      | 5      | 5      | 5      | 5      |
| GREEN VALLEY SUD                               | L   TRINITY AQUIFER   BEXAR COUNTY                     | 1                                    | 2      | 2      | 2      | 2      | 2      |
| NEW BRAUNFELS                                  | L   CANYON LAKE/RESERVOIR                              | 8,072                                | 8,124  | 8,158  | 8,188  | 8,207  | 8,218  |
| NEW BRAUNFELS                                  | L   DIRECT REUSE                                       | 89                                   | 89     | 90     | 90     | 90     | 90     |
| NEW BRAUNFELS                                  | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 4,590                                | 4,620  | 4,640  | 4,657  | 4,668  | 4,674  |
| NEW BRAUNFELS                                  | L   GUADALUPE RUN-OF-RIVER                             | 1,075                                | 1,082  | 1,086  | 1,090  | 1,093  | 1,094  |
| NEW BRAUNFELS                                  | L   TRINITY AQUIFER   BEXAR COUNTY                     | 87                                   | 88     | 88     | 88     | 89     | 89     |
| NEW BRAUNFELS                                  | L   TRINITY AQUIFER   COMAL COUNTY                     | 536                                  | 539    | 541    | 543    | 545    | 545    |
| SCHERTZ                                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 368                                  | 395    | 478    | 529    | 568    | 578    |
| SCHERTZ                                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY                 | 35                                   | 42     | 53     | 63     | 74     | 83     |
| SAN ANTONIO WATER SYSTEM                       | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY              | 54                                   | 70     | 84     | 94     | 104    | 112    |
| SAN ANTONIO WATER SYSTEM                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM                       | L   DIRECT REUSE                                       | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM                       | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY                 | 321                                  | 416    | 495    | 562    | 621    | 669    |
| SAN ANTONIO WATER SYSTEM                       | L   GUADALUPE RUN-OF-RIVER                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM                       | L   SAN ANTONIO RUN-OF-RIVER                           | 88                                   | 113    | 135    | 153    | 169    | 182    |
| SAN ANTONIO WATER SYSTEM                       | L   TRINITY AQUIFER   BEXAR COUNTY                     | 112                                  | 145    | 173    | 197    | 217    | 234    |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| COMAL COUNTY                          |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO WATER SYSTEM              | L   TRINITY AQUIFER   COMAL COUNTY           | 6                                    | 8      | 10     | 11     | 13     | 14     |
| BULVERDE                              | L   CANYON LAKE/RESERVOIR                    | 9                                    | 10     | 11     | 13     | 14     | 15     |
| CANYON LAKE WATER SERVICE COMPANY     | L   CANYON LAKE/RESERVOIR                    | 3,908                                | 3,773  | 3,641  | 3,514  | 3,387  | 3,266  |
| CANYON LAKE WATER SERVICE COMPANY     | L   TRINITY AQUIFER   COMAL COUNTY           | 0                                    | 0      | 0      | 0      | 0      | 0      |
| COUNTY-OTHER                          | L   CANYON LAKE/RESERVOIR                    | 1,378                                | 1,378  | 1,378  | 1,378  | 1,378  | 1,378  |
| COUNTY-OTHER                          | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 652                                  | 649    | 646    | 645    | 643    | 643    |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   BEXAR COUNTY           | 291                                  | 288    | 285    | 284    | 282    | 282    |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   COMAL COUNTY           | 2,356                                | 2,356  | 2,356  | 2,356  | 2,356  | 2,356  |
| MANUFACTURING                         | L   CANYON LAKE/RESERVOIR                    | 4                                    | 4      | 4      | 4      | 4      | 4      |
| MANUFACTURING                         | L   DIRECT REUSE                             | 784                                  | 784    | 784    | 784    | 784    | 784    |
| MANUFACTURING                         | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 2,031                                | 2,031  | 2,031  | 2,031  | 2,031  | 2,031  |
| MANUFACTURING                         | L   GUADALUPE RUN-OF-RIVER                   | 100                                  | 100    | 100    | 100    | 100    | 100    |
| MANUFACTURING                         | L   TRINITY AQUIFER   COMAL COUNTY           | 1,227                                | 1,227  | 1,227  | 1,227  | 1,227  | 1,227  |
| MINING                                | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 3,809                                | 3,809  | 3,809  | 3,809  | 3,809  | 3,809  |
| MINING                                | L   TRINITY AQUIFER   COMAL COUNTY           | 4,447                                | 5,787  | 7,077  | 8,203  | 9,614  | 11,194 |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 120                                  | 120    | 120    | 120    | 120    | 120    |
| LIVESTOCK                             | L   TRINITY AQUIFER   COMAL COUNTY           | 120                                  | 120    | 120    | 120    | 120    | 120    |
| IRRIGATION                            | L   CANYON LAKE/RESERVOIR                    | 249                                  | 249    | 249    | 249    | 249    | 249    |
| IRRIGATION                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 171                                  | 171    | 171    | 171    | 171    | 171    |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                   | 207                                  | 207    | 207    | 207    | 207    | 207    |
| IRRIGATION                            | L   TRINITY AQUIFER   COMAL COUNTY           | 252                                  | 252    | 252    | 252    | 252    | 252    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                              | 38,324                               | 39,816 | 41,257 | 42,483 | 43,948 | 45,523 |
| SAN ANTONIO BASIN                     |                                              |                                      |        |        |        |        |        |
| GARDEN RIDGE                          | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 120                                  | 120    | 120    | 120    | 120    | 120    |
| GARDEN RIDGE                          | L   TRINITY AQUIFER   COMAL COUNTY           | 110                                  | 110    | 111    | 111    | 110    | 111    |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 9                                    | 10     | 12     | 13     | 14     | 14     |
| SCHERTZ                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 1                                    | 1      | 1      | 2      | 2      | 2      |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 3                                    | 2      | 3      | 3      | 3      | 4      |
| SELMA                                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 2                                    | 1      | 2      | 2      | 2      | 2      |
| FAIR OAKS RANCH                       | L   CANYON LAKE/RESERVOIR                    | 95                                   | 96     | 96     | 98     | 98     | 99     |
| FAIR OAKS RANCH                       | L   DIRECT REUSE                             | 29                                   | 29     | 29     | 30     | 30     | 30     |
| FAIR OAKS RANCH                       | L   TRINITY AQUIFER   COMAL COUNTY           | 70                                   | 71     | 71     | 72     | 73     | 73     |
| SAN ANTONIO WATER SYSTEM              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 46                                   | 60     | 72     | 82     | 90     | 98     |
| SAN ANTONIO WATER SYSTEM              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM              | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| COMAL COUNTY                            |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO WATER SYSTEM                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 275                                  | 357    | 425    | 482    | 532    | 577    |
| SAN ANTONIO WATER SYSTEM                | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM                | L   SAN ANTONIO RUN-OF-RIVER                 | 75                                   | 97     | 116    | 132    | 145    | 158    |
| SAN ANTONIO WATER SYSTEM                | L   TRINITY AQUIFER   BEXAR COUNTY           | 96                                   | 125    | 149    | 168    | 186    | 202    |
| SAN ANTONIO WATER SYSTEM                | L   TRINITY AQUIFER   COMAL COUNTY           | 6                                    | 7      | 9      | 10     | 11     | 12     |
| BULVERDE                                | L   CANYON LAKE/RESERVOIR                    | 794                                  | 929    | 1,070  | 1,215  | 1,363  | 1,506  |
| CANYON LAKE WATER SERVICE COMPANY       | L   CANYON LAKE/RESERVOIR                    | 961                                  | 938    | 915    | 889    | 862    | 836    |
| CANYON LAKE WATER SERVICE COMPANY       | L   TRINITY AQUIFER   COMAL COUNTY           | 0                                    | 0      | 0      | 0      | 0      | 0      |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 150                                  | 153    | 156    | 157    | 159    | 159    |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   BEXAR COUNTY           | 15                                   | 18     | 21     | 22     | 24     | 24     |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   COMAL COUNTY           | 136                                  | 136    | 136    | 136    | 136    | 136    |
| MANUFACTURING                           | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 283                                  | 283    | 283    | 283    | 283    | 283    |
| MANUFACTURING                           | L   TRINITY AQUIFER   COMAL COUNTY           | 4                                    | 4      | 4      | 4      | 4      | 4      |
| MINING                                  | L   TRINITY AQUIFER   COMAL COUNTY           | 344                                  | 400    | 454    | 501    | 559    | 625    |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 9                                    | 9      | 9      | 9      | 9      | 9      |
| LIVESTOCK                               | L   TRINITY AQUIFER   COMAL COUNTY           | 9                                    | 9      | 9      | 9      | 9      | 9      |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 4                                    | 4      | 4      | 4      | 4      | 4      |
| IRRIGATION                              | L   TRINITY AQUIFER   COMAL COUNTY           | 42                                   | 42     | 42     | 42     | 42     | 42     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 3,688                                | 4,011  | 4,319  | 4,596  | 4,870  | 5,139  |
| COMAL COUNTY TOTAL EXISTING SUPPLY      |                                              | 42,012                               | 43,827 | 45,576 | 47,079 | 48,818 | 50,662 |
| DEWITT COUNTY                           |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                         |                                              |                                      |        |        |        |        |        |
| CUERO                                   | L   GULF COAST AQUIFER   DEWITT COUNTY       | 4,042                                | 4,042  | 4,042  | 4,042  | 4,042  | 4,042  |
| GONZALES COUNTY WSC                     | L   CANYON LAKE/RESERVOIR                    | 36                                   | 34     | 32     | 30     | 28     | 26     |
| GONZALES COUNTY WSC                     | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 104                                  | 98     | 92     | 85     | 80     | 74     |
| YORKTOWN                                | L   GULF COAST AQUIFER   DEWITT COUNTY       | 972                                  | 972    | 972    | 972    | 972    | 972    |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   DEWITT COUNTY       | 1,184                                | 1,184  | 1,184  | 1,184  | 1,184  | 1,184  |
| MANUFACTURING                           | L   GULF COAST AQUIFER   DEWITT COUNTY       | 455                                  | 455    | 455    | 455    | 455    | 455    |
| MINING                                  | L   GULF COAST AQUIFER   DEWITT COUNTY       | 2,405                                | 2,259  | 1,668  | 1,081  | 494    | 229    |
| LIVESTOCK                               | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 631                                  | 631    | 631    | 631    | 631    | 631    |
| LIVESTOCK                               | L   GULF COAST AQUIFER   DEWITT COUNTY       | 886                                  | 886    | 886    | 886    | 886    | 886    |
| IRRIGATION                              | L   GULF COAST AQUIFER   DEWITT COUNTY       | 520                                  | 520    | 520    | 520    | 520    | 520    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                              | 11,235                               | 11,081 | 10,482 | 9,886  | 9,292  | 9,019  |
| LAVACA BASIN                            |                                              |                                      |        |        |        |        |        |
| YOAKUM                                  | L   GULF COAST AQUIFER   DEWITT COUNTY       | 458                                  | 458    | 458    | 458    | 458    | 458    |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   DEWITT COUNTY       | 206                                  | 208    | 215    | 224    | 225    | 225    |
| MANUFACTURING                           | L   GULF COAST AQUIFER   DEWITT COUNTY       | 314                                  | 317    | 329    | 343    | 345    | 345    |

**EXISTING WATER SUPPLY**

| REGION L                                     | SOURCE REGION   SOURCE NAME                 | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|----------------------------------------------|---------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                              |                                             | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| DEWITT COUNTY                                |                                             |                                      |        |        |        |        |        |
| LAVACA BASIN                                 |                                             |                                      |        |        |        |        |        |
| MINING                                       | L   GULF COAST AQUIFER   DEWITT COUNTY      | 462                                  | 438    | 335    | 226    | 104    | 48     |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY      | 27                                   | 27     | 27     | 27     | 27     | 27     |
| LIVESTOCK                                    | L   LAVACA LIVESTOCK LOCAL SUPPLY           | 282                                  | 282    | 282    | 282    | 282    | 282    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY      | 772                                  | 778    | 807    | 840    | 846    | 846    |
| LAVACA BASIN TOTAL EXISTING SUPPLY           |                                             | 2,521                                | 2,508  | 2,453  | 2,400  | 2,287  | 2,231  |
| LAVACA-GUADALUPE BASIN                       |                                             |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY      | 2                                    | 2      | 2      | 2      | 2      | 2      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY      | 9                                    | 9      | 9      | 9      | 9      | 9      |
| LIVESTOCK                                    | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 9                                    | 9      | 9      | 9      | 9      | 9      |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY      | 15                                   | 15     | 15     | 15     | 15     | 15     |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                             | 35                                   | 35     | 35     | 35     | 35     | 35     |
| SAN ANTONIO BASIN                            |                                             |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY      | 89                                   | 89     | 89     | 89     | 89     | 89     |
| MINING                                       | L   GULF COAST AQUIFER   DEWITT COUNTY      | 254                                  | 238    | 176    | 113    | 52     | 24     |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY      | 75                                   | 75     | 75     | 75     | 75     | 75     |
| LIVESTOCK                                    | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | 75                                   | 75     | 75     | 75     | 75     | 75     |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY      | 104                                  | 104    | 104    | 104    | 104    | 104    |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY      |                                             | 597                                  | 581    | 519    | 456    | 395    | 367    |
| DEWITT COUNTY TOTAL EXISTING SUPPLY          |                                             | 14,388                               | 14,205 | 13,489 | 12,777 | 12,009 | 11,652 |
| DIMMIT COUNTY                                |                                             |                                      |        |        |        |        |        |
| NUECES BASIN                                 |                                             |                                      |        |        |        |        |        |
| ASHERTON                                     | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 313                                  | 313    | 313    | 313    | 313    | 313    |
| BIG WELLS                                    | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 251                                  | 251    | 251    | 251    | 251    | 251    |
| CARRIZO SPRINGS                              | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 2,003                                | 2,003  | 2,003  | 2,003  | 2,003  | 2,003  |
| COUNTY-OTHER                                 | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 311                                  | 311    | 311    | 311    | 311    | 311    |
| MINING                                       | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 92                                   | 92     | 92     | 92     | 92     | 92     |
| MINING                                       | L   NUECES RUN-OF-RIVER                     | 1                                    | 1      | 1      | 1      | 1      | 1      |
| LIVESTOCK                                    | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 219                                  | 219    | 219    | 219    | 219    | 219    |
| LIVESTOCK                                    | L   NUECES LIVESTOCK LOCAL SUPPLY           | 220                                  | 220    | 220    | 220    | 220    | 220    |
| IRRIGATION                                   | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 64                                   | 64     | 64     | 64     | 64     | 64     |
| IRRIGATION                                   | L   NUECES RUN-OF-RIVER                     | 2,261                                | 2,261  | 2,261  | 2,261  | 2,261  | 2,261  |
| NUECES BASIN TOTAL EXISTING SUPPLY           |                                             | 5,735                                | 5,735  | 5,735  | 5,735  | 5,735  | 5,735  |
| RIO GRANDE BASIN                             |                                             |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 3                                    | 3      | 3      | 3      | 3      | 3      |
| MINING                                       |                                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| LIVESTOCK                                    | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 25                                   | 25     | 25     | 25     | 25     | 25     |
| LIVESTOCK                                    | L   RIO GRANDE LIVESTOCK LOCAL SUPPLY       | 24                                   | 24     | 24     | 24     | 24     | 24     |
| IRRIGATION                                   | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY  | 78                                   | 78     | 78     | 78     | 78     | 78     |
| RIO GRANDE BASIN TOTAL EXISTING SUPPLY       |                                             | 130                                  | 130    | 130    | 130    | 130    | 130    |
| DIMMIT COUNTY TOTAL EXISTING SUPPLY          |                                             | 5,865                                | 5,865  | 5,865  | 5,865  | 5,865  | 5,865  |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| FRIO COUNTY                             |                                               |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                               |                                      |        |        |        |        |        |
| BENTON CITY WSC                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY  | 100                                  | 94     | 90     | 88     | 85     | 83     |
| DILLEY                                  | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 2,107                                | 2,107  | 2,107  | 2,107  | 2,107  | 2,107  |
| PEARSALL                                | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 2,731                                | 2,731  | 2,731  | 2,731  | 2,731  | 2,731  |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 1,020                                | 1,020  | 1,020  | 1,020  | 1,020  | 1,020  |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 517                                  | 550    | 528    | 386    | 220    | 190    |
| MINING                                  | L   QUEEN CITY AQUIFER   FRIO COUNTY          | 700                                  | 700    | 650    | 600    | 400    | 200    |
| STEAM ELECTRIC POWER                    | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 555                                  | 555    | 555    | 555    | 555    | 555    |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY             | 497                                  | 497    | 497    | 497    | 497    | 497    |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   FRIO COUNTY          | 497                                  | 497    | 497    | 497    | 497    | 497    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY      | 68,922                               | 66,442 | 64,071 | 61,803 | 59,611 | 57,600 |
| IRRIGATION                              | L   QUEEN CITY AQUIFER   FRIO COUNTY          | 1,211                                | 1,211  | 1,211  | 1,211  | 1,211  | 1,211  |
| IRRIGATION                              | L   SPARTA AQUIFER   FRIO COUNTY              | 698                                  | 674    | 650    | 624    | 601    | 601    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                               | 79,555                               | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| FRIO COUNTY TOTAL EXISTING SUPPLY       |                                               | 79,555                               | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| GOLIAD COUNTY                           |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                         |                                               |                                      |        |        |        |        |        |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 589                                  | 589    | 589    | 589    | 589    | 589    |
| MINING                                  | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 126                                  | 126    | 126    | 126    | 126    | 126    |
| STEAM ELECTRIC POWER                    | L   COLETO CREEK LAKE/RESERVOIR               | 24,160                               | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| STEAM ELECTRIC POWER                    | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 2,800                                | 2,800  | 2,800  | 2,800  | 2,800  | 2,800  |
| LIVESTOCK                               | L   GUADALUPE LIVESTOCK LOCAL SUPPLY          | 140                                  | 140    | 140    | 140    | 140    | 140    |
| LIVESTOCK                               | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 122                                  | 122    | 122    | 122    | 122    | 122    |
| IRRIGATION                              | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 742                                  | 742    | 742    | 742    | 742    | 742    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                               | 28,679                               | 28,679 | 28,679 | 28,679 | 28,679 | 28,679 |
| SAN ANTONIO BASIN                       |                                               |                                      |        |        |        |        |        |
| GOLIAD                                  | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 804                                  | 804    | 804    | 804    | 804    | 804    |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 491                                  | 491    | 491    | 491    | 491    | 491    |
| MANUFACTURING                           | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 122                                  | 122    | 122    | 122    | 122    | 122    |
| MINING                                  | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 275                                  | 275    | 275    | 275    | 275    | 275    |
| LIVESTOCK                               | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 233                                  | 233    | 233    | 233    | 233    | 233    |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY        | 215                                  | 215    | 215    | 215    | 215    | 215    |
| IRRIGATION                              | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 592                                  | 592    | 592    | 592    | 592    | 592    |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER                  | 2,425                                | 2,425  | 2,425  | 2,425  | 2,425  | 2,425  |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                               | 5,157                                | 5,157  | 5,157  | 5,157  | 5,157  | 5,157  |
| SAN ANTONIO-NUECES BASIN                |                                               |                                      |        |        |        |        |        |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 132                                  | 132    | 132    | 132    | 132    | 132    |
| MINING                                  | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 49                                   | 49     | 49     | 49     | 49     | 49     |
| LIVESTOCK                               | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 209                                  | 209    | 209    | 209    | 209    | 209    |
| LIVESTOCK                               | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 209                                  | 209    | 209    | 209    | 209    | 209    |
| IRRIGATION                              | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 416                                  | 416    | 416    | 416    | 416    | 416    |



**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GOLIAD COUNTY                                  |                                               |                                      |        |        |        |        |        |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                               | 1,015                                | 1,015  | 1,015  | 1,015  | 1,015  | 1,015  |
| GOLIAD COUNTY TOTAL EXISTING SUPPLY            |                                               | 34,851                               | 34,851 | 34,851 | 34,851 | 34,851 | 34,851 |
| GONZALES COUNTY                                |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                               |                                      |        |        |        |        |        |
| GONZALES                                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 345                                  | 345    | 345    | 345    | 345    | 345    |
| GONZALES                                       | L   GUADALUPE RUN-OF-RIVER                    | 2,240                                | 2,240  | 2,240  | 2,240  | 2,240  | 2,240  |
| GONZALES COUNTY WSC                            | L   CANYON LAKE/RESERVOIR                     | 635                                  | 634    | 634    | 634    | 634    | 635    |
| GONZALES COUNTY WSC                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,836                                | 1,833  | 1,831  | 1,832  | 1,833  | 1,836  |
| NIXON                                          | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 2,632                                | 2,633  | 2,633  | 2,629  | 2,629  | 2,630  |
| WAEOLDER                                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 597                                  | 597    | 597    | 597    | 597    | 597    |
| SMILEY                                         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 225                                  | 225    | 225    | 225    | 225    | 225    |
| COUNTY-OTHER                                   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 539                                  | 539    | 539    | 539    | 539    | 539    |
| MANUFACTURING                                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,247                                | 1,247  | 1,247  | 1,247  | 1,247  | 1,247  |
| MANUFACTURING                                  | L   SPARTA AQUIFER   GONZALES COUNTY          | 1,140                                | 1,140  | 1,140  | 1,140  | 1,140  | 1,140  |
| MINING                                         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,600                                | 1,207  | 813    | 418    | 24     | 1      |
| LIVESTOCK                                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 2,962                                | 2,962  | 2,962  | 2,962  | 2,962  | 2,962  |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   GONZALES COUNTY      | 35                                   | 35     | 35     | 35     | 35     | 35     |
| LIVESTOCK                                      | L   QUEEN CITY AQUIFER   GONZALES COUNTY      | 554                                  | 554    | 554    | 554    | 554    | 554    |
| LIVESTOCK                                      | L   SPARTA AQUIFER   GONZALES COUNTY          | 449                                  | 449    | 449    | 449    | 449    | 449    |
| LIVESTOCK                                      | L   YEGUA-JACKSON AQUIFER   GONZALES COUNTY   | 629                                  | 629    | 629    | 629    | 629    | 629    |
| IRRIGATION                                     | L   CANYON LAKE/RESERVOIR                     | 7                                    | 7      | 7      | 7      | 7      | 7      |
| IRRIGATION                                     | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,027                                | 1,027  | 1,027  | 1,027  | 1,027  | 1,027  |
| IRRIGATION                                     | L   GUADALUPE RUN-OF-RIVER                    | 1,800                                | 1,800  | 1,800  | 1,800  | 1,800  | 1,800  |
| IRRIGATION                                     | L   QUEEN CITY AQUIFER   GONZALES COUNTY      | 629                                  | 629    | 629    | 629    | 629    | 629    |
| IRRIGATION                                     | L   YEGUA-JACKSON AQUIFER   GONZALES COUNTY   | 140                                  | 140    | 140    | 140    | 140    | 140    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY          |                                               | 21,268                               | 20,872 | 20,476 | 20,078 | 19,685 | 19,667 |
| LAVACA BASIN                                   |                                               |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 33                                   | 33     | 33     | 33     | 33     | 33     |
| LIVESTOCK                                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 107                                  | 107    | 107    | 107    | 107    | 107    |
| LAVACA BASIN TOTAL EXISTING SUPPLY             |                                               | 140                                  | 140    | 140    | 140    | 140    | 140    |
| GONZALES COUNTY TOTAL EXISTING SUPPLY          |                                               | 21,408                               | 21,012 | 20,616 | 20,218 | 19,825 | 19,807 |
| GUADALUPE COUNTY                               |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                               |                                      |        |        |        |        |        |
| SEGUIN                                         | L   CANYON LAKE/RESERVOIR                     | 1,160                                | 1,171  | 1,200  | 1,263  | 1,329  | 1,397  |
| SEGUIN                                         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 3,325                                | 4,092  | 4,866  | 5,589  | 6,357  | 7,116  |
| SEGUIN                                         | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 161                                  | 170    | 199    | 262    | 330    | 396    |

**EXISTING WATER SUPPLY**

| REGION L            | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|---------------------|--------------------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                     |                                                        | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| GUADALUPE COUNTY    |                                                        |                                      |       |       |       |       |       |
| GUADALUPE BASIN     |                                                        |                                      |       |       |       |       |       |
| SEGUIN              | L   DIRECT REUSE                                       | 61                                   | 61    | 61    | 61    | 61    | 61    |
| SPRINGS HILL WSC    | L   CANYON LAKE/RESERVOIR                              | 3,011                                | 2,972 | 2,869 | 2,645 | 2,409 | 2,170 |
| SPRINGS HILL WSC    | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 785                                  | 766   | 714   | 602   | 484   | 433   |
| SPRINGS HILL WSC    | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 646                                  | 628   | 577   | 465   | 346   | 159   |
| SPRINGS HILL WSC    | L   GUADALUPE RUN-OF-RIVER                             | 79                                   | 79    | 79    | 79    | 79    | 79    |
| CRYSTAL CLEAR WSC   | L   CANYON LAKE/RESERVOIR                              | 824                                  | 834   | 837   | 831   | 824   | 813   |
| CRYSTAL CLEAR WSC   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 190                                  | 192   | 193   | 192   | 190   | 188   |
| CRYSTAL CLEAR WSC   | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 32                                   | 32    | 32    | 32    | 32    | 31    |
| CRYSTAL CLEAR WSC   | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 647                                  | 655   | 657   | 652   | 647   | 639   |
| CRYSTAL CLEAR WSC   | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 136                                  | 138   | 138   | 137   | 136   | 135   |
| GONZALES COUNTY WSC | L   CANYON LAKE/RESERVOIR                              | 10                                   | 11    | 12    | 13    | 13    | 14    |
| GONZALES COUNTY WSC | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 30                                   | 32    | 35    | 37    | 38    | 39    |
| GREEN VALLEY SUD    | L   CANYON LAKE/RESERVOIR                              | 521                                  | 525   | 528   | 531   | 533   | 536   |
| GREEN VALLEY SUD    | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 145                                  | 145   | 146   | 147   | 148   | 149   |
| GREEN VALLEY SUD    | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 139                                  | 140   | 141   | 141   | 142   | 143   |
| GREEN VALLEY SUD    | L   TRINITY AQUIFER   BEXAR COUNTY                     | 48                                   | 48    | 48    | 48    | 49    | 49    |
| LULING              | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY           | 5                                    | 4     | 4     | 4     | 4     | 4     |
| NEW BRAUNFELS       | L   CANYON LAKE/RESERVOIR                              | 1,648                                | 1,596 | 1,562 | 1,532 | 1,513 | 1,502 |
| NEW BRAUNFELS       | L   DIRECT REUSE                                       | 18                                   | 18    | 17    | 17    | 17    | 17    |
| NEW BRAUNFELS       | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 938                                  | 908   | 888   | 871   | 860   | 854   |
| NEW BRAUNFELS       | L   GUADALUPE RUN-OF-RIVER                             | 219                                  | 212   | 208   | 204   | 201   | 200   |
| NEW BRAUNFELS       | L   TRINITY AQUIFER   BEXAR COUNTY                     | 18                                   | 17    | 17    | 17    | 16    | 16    |
| NEW BRAUNFELS       | L   TRINITY AQUIFER   COMAL COUNTY                     | 109                                  | 106   | 104   | 102   | 100   | 100   |
| SANTA CLARA         | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 21                                   | 20    | 20    | 21    | 20    | 20    |
| SCHERTZ             | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 712                                  | 628   | 596   | 544   | 489   | 439   |
| SCHERTZ             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY                 | 67                                   | 66    | 65    | 65    | 64    | 63    |
| COUNTY-OTHER        | L   CANYON LAKE/RESERVOIR                              | 649                                  | 762   | 783   | 828   | 877   | 924   |
| COUNTY-OTHER        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 218                                  | 261   | 282   | 327   | 375   | 368   |
| COUNTY-OTHER        | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 1,128                                | 1,152 | 1,172 | 1,217 | 1,264 | 1,367 |
| COUNTY-OTHER        | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 60                                   | 70    | 70    | 70    | 70    | 70    |
| COUNTY-OTHER        | L   GUADALUPE RUN-OF-RIVER                             | 61                                   | 61    | 61    | 61    | 61    | 61    |
| COUNTY-OTHER        | L   TRINITY AQUIFER   BEXAR COUNTY                     | 30                                   | 35    | 35    | 35    | 35    | 35    |
| MANUFACTURING       | L   CANYON LAKE/RESERVOIR                              | 985                                  | 985   | 985   | 985   | 985   | 985   |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GUADALUPE COUNTY                      |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                               |                                      |        |        |        |        |        |
| MANUFACTURING                         | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 1,000                                | 1,000  | 1,000  | 1,000  | 1,000  | 1,000  |
| MANUFACTURING                         | L   EDWARDS-BFZ AQUIFER   GUADALUPE COUNTY    | 208                                  | 208    | 208    | 208    | 208    | 208    |
| MANUFACTURING                         | L   GUADALUPE RUN-OF-RIVER                    | 1,459                                | 1,459  | 1,459  | 1,459  | 1,459  | 1,459  |
| MINING                                | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 342                                  | 412    | 479    | 566    | 663    | 782    |
| STEAM ELECTRIC POWER                  | L   CANYON LAKE/RESERVOIR                     | 6,840                                | 6,840  | 6,840  | 6,840  | 6,840  | 6,840  |
| STEAM ELECTRIC POWER                  | L   DIRECT REUSE                              | 1,352                                | 1,352  | 1,352  | 1,352  | 1,352  | 1,352  |
| STEAM ELECTRIC POWER                  | L   GUADALUPE RUN-OF-RIVER                    | 5,600                                | 5,600  | 5,600  | 5,600  | 5,600  | 5,600  |
| LIVESTOCK                             | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 418                                  | 418    | 418    | 418    | 418    | 418    |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY          | 523                                  | 523    | 523    | 523    | 523    | 523    |
| IRRIGATION                            | L   CANYON LAKE/RESERVOIR                     | 336                                  | 336    | 336    | 336    | 336    | 336    |
| IRRIGATION                            | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 122                                  | 122    | 122    | 122    | 122    | 122    |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                    | 429                                  | 429    | 429    | 429    | 429    | 429    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                               | 37,465                               | 38,291 | 38,967 | 39,480 | 40,048 | 40,641 |
| SAN ANTONIO BASIN                     |                                               |                                      |        |        |        |        |        |
| SPRINGS HILL WSC                      | L   CANYON LAKE/RESERVOIR                     | 405                                  | 402    | 387    | 357    | 325    | 292    |
| SPRINGS HILL WSC                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 105                                  | 103    | 96     | 81     | 65     | 58     |
| SPRINGS HILL WSC                      | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 87                                   | 85     | 78     | 63     | 47     | 21     |
| SPRINGS HILL WSC                      | L   GUADALUPE RUN-OF-RIVER                    | 11                                   | 11     | 11     | 11     | 11     | 11     |
| CIBOLO                                | L   CANYON LAKE/RESERVOIR                     | 2,526                                | 2,526  | 2,526  | 2,526  | 2,526  | 2,526  |
| CIBOLO                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,400                                | 1,400  | 1,400  | 1,400  | 1,400  | 1,400  |
| GREEN VALLEY SUD                      | L   CANYON LAKE/RESERVOIR                     | 380                                  | 383    | 386    | 387    | 389    | 392    |
| GREEN VALLEY SUD                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 105                                  | 106    | 107    | 108    | 108    | 109    |
| GREEN VALLEY SUD                      | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 101                                  | 102    | 103    | 103    | 104    | 104    |
| GREEN VALLEY SUD                      | L   TRINITY AQUIFER   BEXAR COUNTY            | 35                                   | 35     | 35     | 35     | 36     | 36     |
| MARION                                | L   CANYON LAKE/RESERVOIR                     | 208                                  | 208    | 208    | 208    | 208    | 208    |
| MARION                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 5                                    | 5      | 5      | 5      | 5      | 5      |
| MARION                                | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 114                                  | 114    | 114    | 114    | 114    | 114    |
| MARION                                | L   TRINITY AQUIFER   BEXAR COUNTY            | 5                                    | 5      | 5      | 5      | 5      | 5      |
| SANTA CLARA                           | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 123                                  | 124    | 124    | 123    | 124    | 124    |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 8,888                                | 7,854  | 7,446  | 6,796  | 6,118  | 5,486  |
| SCHERTZ                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 834                                  | 830    | 818    | 807    | 794    | 785    |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 338                                  | 504    | 478    | 455    | 436    | 419    |
| SELMA                                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 204                                  | 304    | 288    | 274    | 263    | 253    |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|--------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                                        | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GUADALUPE COUNTY                        |                                                        |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                                        |                                      |        |        |        |        |        |
| WATER SERVICES INC                      | L   TRINITY AQUIFER   BEXAR COUNTY                     | 64                                   | 69     | 72     | 76     | 79     | 82     |
| NEW BERLIN                              | L   CANYON LAKE/RESERVOIR                              | 34                                   | 40     | 47     | 53     | 60     | 66     |
| NEW BERLIN                              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 34                                   | 40     | 46     | 53     | 59     | 66     |
| NEW BERLIN                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY                 | 34                                   | 40     | 47     | 53     | 60     | 66     |
| EAST CENTRAL SUD                        | L   CANYON LAKE/RESERVOIR                              | 49                                   | 50     | 50     | 50     | 49     | 48     |
| EAST CENTRAL SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 46                                   | 49     | 51     | 53     | 55     | 56     |
| EAST CENTRAL SUD                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY                 | 19                                   | 20     | 20     | 21     | 21     | 22     |
| COUNTY-OTHER                            | L   CANYON LAKE/RESERVOIR                              | 426                                  | 323    | 332    | 351    | 370    | 391    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 145                                  | 112    | 121    | 140    | 160    | 157    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 173                                  | 160    | 169    | 188    | 208    | 252    |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 40                                   | 30     | 30     | 30     | 30     | 30     |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   BEXAR COUNTY                     | 20                                   | 15     | 15     | 15     | 15     | 15     |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 15                                   | 15     | 15     | 15     | 15     | 15     |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 114                                  | 138    | 160    | 189    | 221    | 261    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 105                                  | 105    | 105    | 105    | 105    | 105    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 75                                   | 75     | 75     | 75     | 75     | 75     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                                        | 17,267                               | 16,382 | 15,970 | 15,325 | 14,660 | 14,055 |
| GUADALUPE COUNTY TOTAL EXISTING SUPPLY  |                                                        | 54,732                               | 54,673 | 54,937 | 54,805 | 54,708 | 54,696 |
| HAYS COUNTY                             |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                         |                                                        |                                      |        |        |        |        |        |
| BUDA                                    | L   CANYON LAKE/RESERVOIR                              | 299                                  | 388    | 499    | 639    | 798    | 979    |
| COUNTY LINE WSC                         | L   CANYON LAKE/RESERVOIR                              | 226                                  | 197    | 161    | 113    | 57     | 0      |
| COUNTY LINE WSC                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 77                                   | 79     | 81     | 83     | 85     | 87     |
| CREEDMOOR-MAHA WSC                      | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY                | 10                                   | 12     | 15     | 19     | 23     | 28     |
| CRYSTAL CLEAR WSC                       | L   CANYON LAKE/RESERVOIR                              | 323                                  | 317    | 319    | 329    | 340    | 354    |
| CRYSTAL CLEAR WSC                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 74                                   | 73     | 74     | 76     | 79     | 82     |
| CRYSTAL CLEAR WSC                       | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 12                                   | 12     | 12     | 13     | 13     | 14     |
| CRYSTAL CLEAR WSC                       | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 254                                  | 249    | 251    | 258    | 267    | 278    |
| CRYSTAL CLEAR WSC                       | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 53                                   | 53     | 53     | 54     | 56     | 59     |
| KYLE                                    | L   CANYON LAKE/RESERVOIR                              | 5,743                                | 5,743  | 5,743  | 5,743  | 5,743  | 5,732  |
| KYLE                                    | L   DIRECT REUSE                                       | 199                                  | 199    | 199    | 199    | 199    | 199    |
| KYLE                                    | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 390                                  | 390    | 390    | 390    | 390    | 390    |
| MAXWELL WSC                             | L   CANYON LAKE/RESERVOIR                              | 101                                  | 92     | 87     | 85     | 84     | 84     |
| MAXWELL WSC                             | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 39                                   | 35     | 33     | 32     | 32     | 32     |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|--------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                            | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| HAYS COUNTY                           |                                            |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                            |                                      |        |        |        |        |        |
| MAXWELL WSC                           | L   GUADALUPE RUN-OF-RIVER                 | 153                                  | 139    | 131    | 128    | 127    | 127    |
| MOUNTAIN CITY                         | K   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 15                                   | 16     | 18     | 18     | 18     | 18     |
| MOUNTAIN CITY                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 13                                   | 13     | 13     | 13     | 13     | 13     |
| NIEDERWALD                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 10                                   | 10     | 11     | 11     | 11     | 11     |
| PLUM CREEK WATER COMPANY              | L   TRINITY AQUIFER   HAYS COUNTY          | 984                                  | 883    | 864    | 847    | 835    | 825    |
| SAN MARCOS                            | L   CANYON LAKE/RESERVOIR                  | 9,998                                | 9,998  | 9,998  | 9,997  | 9,997  | 9,997  |
| SAN MARCOS                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 3,803                                | 3,803  | 3,803  | 3,803  | 3,803  | 3,803  |
| WIMBERLEY WSC                         | L   TRINITY AQUIFER   HAYS COUNTY          | 683                                  | 683    | 683    | 683    | 683    | 683    |
| WOODCREEK                             | L   TRINITY AQUIFER   HAYS COUNTY          | 998                                  | 998    | 998    | 998    | 998    | 998    |
| GOFORTH SUD                           | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY    | 7                                    | 7      | 6      | 6      | 6      | 6      |
| GOFORTH SUD                           | L   CANYON LAKE/RESERVOIR                  | 1,050                                | 1,050  | 1,050  | 1,050  | 1,050  | 1,050  |
| GOFORTH SUD                           | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 105                                  | 104    | 103    | 103    | 103    | 103    |
| GOFORTH SUD                           | L   TRINITY AQUIFER   HAYS COUNTY          | 2,985                                | 2,932  | 2,871  | 2,792  | 2,703  | 2,603  |
| UHLAND                                | L   CANYON LAKE/RESERVOIR                  | 99                                   | 133    | 175    | 229    | 290    | 360    |
| WIMBERLEY                             | L   TRINITY AQUIFER   HAYS COUNTY          | 844                                  | 844    | 844    | 844    | 844    | 844    |
| COUNTY-OTHER                          | L   CANYON LAKE/RESERVOIR                  | 3,877                                | 3,877  | 3,877  | 3,877  | 3,877  | 3,877  |
| COUNTY-OTHER                          | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 947                                  | 947    | 947    | 947    | 947    | 947    |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   HAYS COUNTY          | 341                                  | 341    | 341    | 341    | 341    | 341    |
| MANUFACTURING                         |                                            | 0                                    | 0      | 0      | 0      | 0      | 0      |
| STEAM ELECTRIC POWER                  | L   CANYON LAKE/RESERVOIR                  | 2,464                                | 2,464  | 2,464  | 2,464  | 2,464  | 2,464  |
| STEAM ELECTRIC POWER                  | L   DIRECT REUSE                           | 2,912                                | 2,912  | 2,912  | 2,912  | 2,912  | 2,912  |
| LIVESTOCK                             | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 161                                  | 161    | 161    | 161    | 161    | 161    |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY       | 204                                  | 204    | 204    | 204    | 204    | 204    |
| LIVESTOCK                             | L   TRINITY AQUIFER   HAYS COUNTY          | 45                                   | 45     | 45     | 45     | 45     | 45     |
| IRRIGATION                            | L   DIRECT REUSE                           | 224                                  | 224    | 224    | 224    | 224    | 224    |
| IRRIGATION                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 282                                  | 282    | 282    | 282    | 282    | 282    |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                 | 130                                  | 130    | 130    | 130    | 130    | 130    |
| IRRIGATION                            | L   TRINITY AQUIFER   HAYS COUNTY          | 102                                  | 102    | 102    | 102    | 102    | 102    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                            | 41,236                               | 41,141 | 41,174 | 41,244 | 41,336 | 41,448 |
| HAYS COUNTY TOTAL EXISTING SUPPLY     |                                            | 41,236                               | 41,141 | 41,174 | 41,244 | 41,336 | 41,448 |
| KARNES COUNTY                         |                                            |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                            |                                      |        |        |        |        |        |
| EL OSO WSC                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 4                                    | 4      | 4      | 4      | 4      | 4      |
| EL OSO WSC                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 5                                    | 5      | 5      | 5      | 5      | 6      |
| COUNTY-OTHER                          | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 20                                   | 20     | 20     | 20     | 20     | 20     |
| COUNTY-OTHER                          | L   GULF COAST AQUIFER   KARNES COUNTY     | 8                                    | 8      | 8      | 8      | 8      | 8      |
| MINING                                | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 152                                  | 115    | 77     | 40     | 2      | 0      |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY       | 20                                   | 20     | 20     | 20     | 20     | 20     |
| LIVESTOCK                             | L   GULF COAST AQUIFER   KARNES COUNTY     | 4                                    | 4      | 4      | 4      | 4      | 4      |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|-----------------------------------------|--------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                         |                                            | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| KARNES COUNTY                           |                                            |                                      |       |       |       |       |       |
| GUADALUPE BASIN                         |                                            |                                      |       |       |       |       |       |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 17                                   | 17    | 17    | 17    | 17    | 17    |
| IRRIGATION                              | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 30                                   | 30    | 30    | 30    | 30    | 30    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                            | 260                                  | 223   | 185   | 148   | 110   | 109   |
| NUECES BASIN                            |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 10                                   | 10    | 10    | 10    | 10    | 10    |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 14                                   | 14    | 13    | 13    | 12    | 12    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 20                                   | 20    | 20    | 20    | 20    | 20    |
| MINING                                  | L   GULF COAST AQUIFER   KARNES COUNTY     | 36                                   | 36    | 35    | 31    | 28    | 26    |
| LIVESTOCK                               | L   GULF COAST AQUIFER   KARNES COUNTY     | 42                                   | 42    | 42    | 42    | 42    | 42    |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 22                                   | 22    | 22    | 22    | 22    | 22    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 42                                   | 42    | 42    | 42    | 42    | 42    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                            | 186                                  | 186   | 184   | 180   | 176   | 174   |
| SAN ANTONIO BASIN                       |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 279                                  | 291   | 300   | 304   | 305   | 302   |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 393                                  | 389   | 383   | 378   | 361   | 357   |
| FALLS CITY                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 220                                  | 233   | 243   | 248   | 252   | 252   |
| KARNES CITY                             | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 289                                  | 306   | 319   | 326   | 331   | 331   |
| KENEDY                                  | L   GULF COAST AQUIFER   KARNES COUNTY     | 1,260                                | 1,257 | 1,256 | 1,254 | 1,211 | 1,211 |
| RUNGE                                   | L   GULF COAST AQUIFER   KARNES COUNTY     | 274                                  | 273   | 273   | 273   | 263   | 263   |
| SUNKO WSC                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY | 54                                   | 47    | 40    | 35    | 31    | 29    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 51                                   | 52    | 52    | 52    | 52    | 52    |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 549                                  | 548   | 548   | 547   | 528   | 528   |
| MANUFACTURING                           | L   GULF COAST AQUIFER   KARNES COUNTY     | 229                                  | 228   | 228   | 228   | 220   | 220   |
| MINING                                  | L   DIRECT REUSE                           | 30                                   | 30    | 30    | 30    | 30    | 30    |
| MINING                                  | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 411                                  | 411   | 411   | 411   | 15    | 1     |
| LIVESTOCK                               | L   GULF COAST AQUIFER   KARNES COUNTY     | 275                                  | 274   | 274   | 273   | 264   | 264   |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY     | 547                                  | 548   | 548   | 549   | 558   | 558   |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 217                                  | 217   | 217   | 217   | 217   | 217   |
| IRRIGATION                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 32                                   | 32    | 32    | 32    | 31    | 31    |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER               | 725                                  | 725   | 725   | 725   | 725   | 725   |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                            | 5,835                                | 5,861 | 5,879 | 5,882 | 5,394 | 5,371 |
| SAN ANTONIO-NUECES BASIN                |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 2                                    | 3     | 3     | 3     | 3     | 3     |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 3                                    | 3     | 3     | 3     | 3     | 3     |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 20                                   | 20    | 20    | 20    | 20    | 20    |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 1                                    | 1     | 1     | 1     | 1     | 1     |
| MINING                                  | L   GULF COAST AQUIFER   KARNES COUNTY     | 34                                   | 34    | 34    | 34    | 9     | 0     |
| LIVESTOCK                               | L   GULF COAST AQUIFER   KARNES COUNTY     | 14                                   | 14    | 14    | 14    | 14    | 14    |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                          | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|------------------------------------------------|------------------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                                |                                                      | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| KARNES COUNTY                                  |                                                      |                                      |       |       |       |       |       |
| SAN ANTONIO-NUECES BASIN                       |                                                      |                                      |       |       |       |       |       |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY        | 10                                   | 10    | 10    | 10    | 10    | 10    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   KARNES COUNTY               | 16                                   | 16    | 16    | 16    | 16    | 16    |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                      | 100                                  | 101   | 101   | 101   | 76    | 67    |
| KARNES COUNTY TOTAL EXISTING SUPPLY            |                                                      | 6,381                                | 6,371 | 6,349 | 6,311 | 5,756 | 5,721 |
| KENDALL COUNTY                                 |                                                      |                                      |       |       |       |       |       |
| COLORADO BASIN                                 |                                                      |                                      |       |       |       |       |       |
| COUNTY-OTHER                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 44                                   | 44    | 44    | 44    | 44    | 44    |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 44                                   | 44    | 44    | 44    | 44    | 44    |
| LIVESTOCK                                      | L   COLORADO LIVESTOCK LOCAL SUPPLY                  | 6                                    | 6     | 6     | 6     | 6     | 6     |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 2                                    | 2     | 2     | 2     | 2     | 2     |
| LIVESTOCK                                      | L   TRINITY AQUIFER   KENDALL COUNTY                 | 5                                    | 5     | 5     | 5     | 5     | 5     |
| COLORADO BASIN TOTAL EXISTING SUPPLY           |                                                      | 101                                  | 101   | 101   | 101   | 101   | 101   |
| GUADALUPE BASIN                                |                                                      |                                      |       |       |       |       |       |
| KENDALL COUNTY WCID #1                         | L   DIRECT REUSE                                     | 230                                  | 230   | 230   | 230   | 230   | 230   |
| KENDALL COUNTY WCID #1                         | L   TRINITY AQUIFER   KENDALL COUNTY                 | 545                                  | 545   | 545   | 545   | 545   | 545   |
| COUNTY-OTHER                                   | L   CANYON LAKE/RESERVOIR                            | 2,500                                | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| COUNTY-OTHER                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 94                                   | 94    | 94    | 94    | 94    | 94    |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 1,320                                | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 9                                    | 9     | 9     | 9     | 9     | 9     |
| LIVESTOCK                                      | L   GUADALUPE LIVESTOCK LOCAL SUPPLY                 | 159                                  | 159   | 159   | 159   | 159   | 159   |
| LIVESTOCK                                      | L   TRINITY AQUIFER   KENDALL COUNTY                 | 148                                  | 148   | 148   | 148   | 148   | 148   |
| IRRIGATION                                     | L   DIRECT REUSE                                     | 34                                   | 34    | 34    | 34    | 34    | 34    |
| IRRIGATION                                     | L   GUADALUPE RUN-OF-RIVER                           | 26                                   | 26    | 26    | 26    | 26    | 26    |
| IRRIGATION                                     | L   TRINITY AQUIFER   KENDALL COUNTY                 | 300                                  | 300   | 300   | 300   | 300   | 300   |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY          |                                                      | 5,365                                | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 |
| SAN ANTONIO BASIN                              |                                                      |                                      |       |       |       |       |       |
| BOERNE                                         | L   BOERNE LAKE/RESERVOIR                            | 645                                  | 645   | 645   | 645   | 645   | 645   |
| BOERNE                                         | L   CANYON LAKE/RESERVOIR                            | 3,611                                | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 |
| BOERNE                                         | L   DIRECT REUSE                                     | 7                                    | 7     | 7     | 7     | 7     | 7     |
| BOERNE                                         | L   TRINITY AQUIFER   KENDALL COUNTY                 | 987                                  | 987   | 987   | 987   | 987   | 987   |
| WATER SERVICES INC                             | L   TRINITY AQUIFER   BEXAR COUNTY                   | 74                                   | 79    | 87    | 92    | 98    | 103   |
| FAIR OAKS RANCH                                | L   CANYON LAKE/RESERVOIR                            | 585                                  | 690   | 775   | 840   | 895   | 940   |
| FAIR OAKS RANCH                                | L   DIRECT REUSE                                     | 177                                  | 209   | 235   | 254   | 271   | 285   |
| FAIR OAKS RANCH                                | L   TRINITY AQUIFER   COMAL COUNTY                   | 434                                  | 511   | 574   | 622   | 663   | 696   |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 1,425                                | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 9                                    | 9     | 9     | 9     | 9     | 9     |
| LIVESTOCK                                      | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY               | 33                                   | 33    | 33    | 33    | 33    | 33    |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| KENDALL COUNTY                          |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                              |                                      |        |        |        |        |        |
| LIVESTOCK                               | L   TRINITY AQUIFER   KENDALL COUNTY         | 24                                   | 24     | 24     | 24     | 24     | 24     |
| IRRIGATION                              | L   TRINITY AQUIFER   KENDALL COUNTY         | 100                                  | 100    | 100    | 100    | 100    | 100    |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 8,111                                | 8,330  | 8,512  | 8,649  | 8,768  | 8,865  |
| KENDALL COUNTY TOTAL EXISTING SUPPLY    |                                              | 13,577                               | 13,796 | 13,978 | 14,115 | 14,234 | 14,331 |
| LA SALLE COUNTY                         |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                              |                                      |        |        |        |        |        |
| COTULLA                                 | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 2,000                                | 2,000  | 2,000  | 2,000  | 2,000  | 2,000  |
| ENCINAL                                 | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 268                                  | 268    | 268    | 268    | 268    | 268    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 500                                  | 500    | 500    | 500    | 500    | 500    |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 529                                  | 529    | 529    | 529    | 529    | 529    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 139                                  | 139    | 139    | 139    | 139    | 139    |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY            | 305                                  | 305    | 305    | 305    | 305    | 305    |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   LA SALLE COUNTY     | 1                                    | 1      | 1      | 1      | 1      | 1      |
| LIVESTOCK                               | L   SPARTA AQUIFER   LA SALLE COUNTY         | 74                                   | 74     | 74     | 74     | 74     | 74     |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   LA SALLE COUNTY  | 91                                   | 91     | 91     | 91     | 91     | 91     |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY | 3,018                                | 3,018  | 3,018  | 3,018  | 3,018  | 3,018  |
| IRRIGATION                              | L   NUECES RUN-OF-RIVER                      | 705                                  | 705    | 705    | 705    | 705    | 705    |
| IRRIGATION                              | L   SPARTA AQUIFER   LA SALLE COUNTY         | 913                                  | 913    | 913    | 913    | 913    | 913    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                              | 8,543                                | 8,543  | 8,543  | 8,543  | 8,543  | 8,543  |
| LA SALLE COUNTY TOTAL EXISTING SUPPLY   |                                              | 8,543                                | 8,543  | 8,543  | 8,543  | 8,543  | 8,543  |
| MEDINA COUNTY                           |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                              |                                      |        |        |        |        |        |
| BENTON CITY WSC                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 896                                  | 920    | 931    | 933    | 933    | 930    |
| DEVINE                                  | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 221                                  | 220    | 220    | 220    | 220    | 220    |
| DEVINE                                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 535                                  | 535    | 535    | 535    | 535    | 535    |
| HONDO                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 1,530                                | 1,530  | 1,530  | 1,530  | 1,530  | 1,530  |
| LYTLE                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 80                                   | 85     | 87     | 88     | 88     | 88     |
| NATALIA                                 | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 180                                  | 180    | 180    | 180    | 180    | 180    |
| YANCEY WSC                              | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 124                                  | 125    | 125    | 125    | 125    | 125    |
| EAST MEDINA COUNTY SUD                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 925                                  | 926    | 926    | 927    | 926    | 926    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 500                                  | 498    | 498    | 498    | 498    | 498    |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 1,232                                | 1,232  | 1,232  | 1,232  | 1,232  | 1,232  |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 2                                    | 2      | 2      | 2      | 2      | 2      |
| MANUFACTURING                           | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 1,937                                | 1,937  | 1,937  | 1,937  | 1,937  | 1,937  |
| MINING                                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 305                                  | 305    | 305    | 305    | 305    | 305    |
| MINING                                  | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 1,083                                | 1,238  | 1,368  | 1,500  | 1,667  | 1,849  |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 38                                   | 38     | 38     | 38     | 38     | 38     |



**EXISTING WATER SUPPLY**

| REGION L                           | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                    |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| MEDINA COUNTY                      |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                       |                                              |                                      |        |        |        |        |        |
| LIVESTOCK                          | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 321                                  | 321    | 321    | 321    | 321    | 321    |
| LIVESTOCK                          | L   NUECES LIVESTOCK LOCAL SUPPLY            | 519                                  | 519    | 519    | 519    | 519    | 519    |
| LIVESTOCK                          | L   TRINITY AQUIFER   MEDINA COUNTY          | 164                                  | 164    | 164    | 164    | 164    | 164    |
| IRRIGATION                         | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 1,758                                | 1,749  | 1,749  | 1,749  | 1,749  | 1,749  |
| IRRIGATION                         | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 12,238                               | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 |
| IRRIGATION                         | L   TRINITY AQUIFER   MEDINA COUNTY          | 5,784                                | 5,784  | 5,784  | 5,784  | 5,784  | 5,784  |
| NUECES BASIN TOTAL EXISTING SUPPLY |                                              | 30,372                               | 30,546 | 30,689 | 30,825 | 30,991 | 31,170 |
| SAN ANTONIO BASIN                  |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO                        | L   CANYON LAKE/RESERVOIR                    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 1      | 1      | 1      | 1      | 1      |
| SAN ANTONIO                        | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 5                                    | 6      | 8      | 8      | 9      | 9      |
| SAN ANTONIO                        | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   TRINITY AQUIFER   BEXAR COUNTY           | 0                                    | 0      | 0      | 0      | 0      | 0      |
| CASTROVILLE                        | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 570                                  | 570    | 570    | 570    | 570    | 570    |
| LACOSTE                            | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 117                                  | 117    | 117    | 117    | 117    | 117    |
| YANCEY WSC                         | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 508                                  | 507    | 507    | 507    | 507    | 507    |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 30                                   | 40     | 46     | 50     | 52     | 54     |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 179                                  | 235    | 269    | 291    | 307    | 317    |
| SAN ANTONIO WATER SYSTEM           | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   SAN ANTONIO RUN-OF-RIVER                 | 49                                   | 64     | 73     | 79     | 84     | 87     |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   BEXAR COUNTY           | 63                                   | 82     | 94     | 102    | 107    | 111    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   COMAL COUNTY           | 4                                    | 5      | 5      | 6      | 6      | 6      |
| EAST MEDINA COUNTY SUD             | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 85                                   | 84     | 84     | 83     | 84     | 84     |
| COUNTY-OTHER                       | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 489                                  | 489    | 489    | 489    | 489    | 489    |
| COUNTY-OTHER                       | L   TRINITY AQUIFER   MEDINA COUNTY          | 300                                  | 300    | 300    | 300    | 300    | 300    |
| MANUFACTURING                      | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 15                                   | 15     | 15     | 15     | 15     | 15     |
| MINING                             | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 277                                  | 277    | 277    | 277    | 277    | 277    |
| MINING                             | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 186                                  | 237    | 331    | 375    | 430    | 491    |
| LIVESTOCK                          | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 33                                   | 33     | 33     | 33     | 33     | 33     |
| LIVESTOCK                          | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 63                                   | 63     | 63     | 63     | 63     | 63     |
| LIVESTOCK                          | L   TRINITY AQUIFER   MEDINA COUNTY          | 27                                   | 27     | 27     | 27     | 27     | 27     |
| IRRIGATION                         | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 26                                   | 26     | 26     | 26     | 26     | 26     |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                         | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|-----------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                                     | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| MEDINA COUNTY                                  |                                                     |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                              |                                                     |                                      |        |        |        |        |        |
| IRRIGATION                                     | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY             | 4,535                                | 4,535  | 4,535  | 4,535  | 4,535  | 4,535  |
| IRRIGATION                                     | L   TRINITY AQUIFER   MEDINA COUNTY                 | 1,594                                | 1,594  | 1,594  | 1,594  | 1,594  | 1,594  |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY        |                                                     | 9,155                                | 9,307  | 9,464  | 9,548  | 9,633  | 9,713  |
| MEDINA COUNTY TOTAL EXISTING SUPPLY            |                                                     | 39,527                               | 39,853 | 40,153 | 40,373 | 40,624 | 40,883 |
| REFUGIO COUNTY                                 |                                                     |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                              |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 12                                   | 12     | 12     | 12     | 12     | 12     |
| MINING                                         | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 3                                    | 3      | 3      | 2      | 1      | 1      |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 16                                   | 16     | 16     | 16     | 16     | 16     |
| LIVESTOCK                                      | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | 16                                   | 16     | 16     | 16     | 16     | 16     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY        |                                                     | 47                                   | 47     | 47     | 46     | 45     | 45     |
| SAN ANTONIO-NUECES BASIN                       |                                                     |                                      |        |        |        |        |        |
| REFUGIO                                        | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 1,234                                | 1,234  | 1,234  | 1,234  | 1,234  | 1,234  |
| WOODSBORO                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 606                                  | 606    | 606    | 606    | 606    | 606    |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 511                                  | 511    | 511    | 511    | 511    | 511    |
| MINING                                         | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 63                                   | 66     | 48     | 36     | 23     | 14     |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 302                                  | 302    | 302    | 302    | 302    | 302    |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | 302                                  | 302    | 302    | 302    | 302    | 302    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 652                                  | 652    | 652    | 652    | 652    | 652    |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                     | 3,670                                | 3,673  | 3,655  | 3,643  | 3,630  | 3,621  |
| REFUGIO COUNTY TOTAL EXISTING SUPPLY           |                                                     | 3,717                                | 3,720  | 3,702  | 3,689  | 3,675  | 3,666  |
| UVALDE COUNTY                                  |                                                     |                                      |        |        |        |        |        |
| NUECES BASIN                                   |                                                     |                                      |        |        |        |        |        |
| SABINAL                                        | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 324                                  | 324    | 324    | 324    | 324    | 324    |
| UVALDE                                         | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 3,109                                | 3,109  | 3,109  | 3,109  | 3,109  | 3,109  |
| COUNTY-OTHER                                   | L   BUDA LIMESTONE AQUIFER   UVALDE COUNTY          | 525                                  | 525    | 525    | 525    | 525    | 525    |
| COUNTY-OTHER                                   | L   CARRIZO-WILCOX AQUIFER   UVALDE COUNTY          | 1,230                                | 828    | 828    | 828    | 828    | 828    |
| COUNTY-OTHER                                   | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 2,418                                | 2,418  | 2,418  | 2,418  | 2,418  | 2,418  |
| COUNTY-OTHER                                   | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 160                                  | 158    | 183    | 220    | 250    | 250    |
| MANUFACTURING                                  | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 231                                  | 231    | 231    | 231    | 231    | 231    |
| MANUFACTURING                                  | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 160                                  | 158    | 183    | 220    | 250    | 250    |
| MINING                                         | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 192                                  | 192    | 192    | 192    | 192    | 192    |
| MINING                                         | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 2,469                                | 2,724  | 2,845  | 3,087  | 3,372  | 3,682  |
| LIVESTOCK                                      | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 180                                  | 180    | 180    | 180    | 180    | 180    |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   UVALDE COUNTY | 161                                  | 161    | 161    | 161    | 161    | 161    |
| LIVESTOCK                                      | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 135                                  | 135    | 135    | 135    | 135    | 135    |
| LIVESTOCK                                      | L   NUECES LIVESTOCK LOCAL SUPPLY                   | 516                                  | 516    | 516    | 516    | 516    | 516    |
| LIVESTOCK                                      | L   TRINITY AQUIFER   UVALDE COUNTY                 | 39                                   | 39     | 39     | 39     | 39     | 39     |
| IRRIGATION                                     | L   AUSTIN CHALK AQUIFER   UVALDE COUNTY            | 1,780                                | 1,780  | 1,780  | 1,780  | 1,780  | 1,780  |
| IRRIGATION                                     | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 25,260                               | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 |

**EXISTING WATER SUPPLY**

| REGION L                                     | SOURCE REGION   SOURCE NAME                         | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|----------------------------------------------|-----------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                              |                                                     | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| UVALDE COUNTY                                |                                                     |                                      |        |        |        |        |        |
| NUECES BASIN                                 |                                                     |                                      |        |        |        |        |        |
| IRRIGATION                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   UVALDE COUNTY | 1,474                                | 1,474  | 1,474  | 1,474  | 1,474  | 1,474  |
| IRRIGATION                                   | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 6,205                                | 5,948  | 5,856  | 5,645  | 5,378  | 5,068  |
| IRRIGATION                                   | L   NUECES RUN-OF-RIVER                             | 720                                  | 720    | 720    | 720    | 720    | 720    |
| IRRIGATION                                   | L   TRINITY AQUIFER   UVALDE COUNTY                 | 600                                  | 600    | 600    | 600    | 600    | 600    |
| NUECES BASIN TOTAL EXISTING SUPPLY           |                                                     | 47,888                               | 47,480 | 47,559 | 47,664 | 47,742 | 47,742 |
| UVALDE COUNTY TOTAL EXISTING SUPPLY          |                                                     | 47,888                               | 47,480 | 47,559 | 47,664 | 47,742 | 47,742 |
| VICTORIA COUNTY                              |                                                     |                                      |        |        |        |        |        |
| GUADALUPE BASIN                              |                                                     |                                      |        |        |        |        |        |
| VICTORIA                                     | L   CANYON LAKE/RESERVOIR                           | 836                                  | 836    | 836    | 836    | 836    | 836    |
| VICTORIA                                     | L   GUADALUPE RUN-OF-RIVER                          | 410                                  | 410    | 410    | 410    | 410    | 410    |
| VICTORIA                                     | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 8,660                                | 8,660  | 8,659  | 8,660  | 8,659  | 8,660  |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 2,032                                | 2,032  | 2,032  | 2,032  | 2,032  | 2,032  |
| MANUFACTURING                                | L   GUADALUPE RUN-OF-RIVER                          | 28,027                               | 28,027 | 28,027 | 28,027 | 28,027 | 28,027 |
| MANUFACTURING                                | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 772                                  | 772    | 772    | 772    | 772    | 772    |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 36                                   | 38     | 28     | 21     | 14     | 9      |
| STEAM ELECTRIC POWER                         | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 1,024                                | 1,024  | 1,024  | 1,024  | 1,024  | 1,024  |
| LIVESTOCK                                    | L   GUADALUPE LIVESTOCK LOCAL SUPPLY                | 339                                  | 339    | 339    | 339    | 339    | 339    |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 196                                  | 196    | 196    | 196    | 196    | 196    |
| IRRIGATION                                   | L   GUADALUPE RUN-OF-RIVER                          | 137                                  | 137    | 137    | 137    | 137    | 137    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 820                                  | 820    | 820    | 820    | 820    | 820    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY        |                                                     | 43,289                               | 43,291 | 43,280 | 43,274 | 43,266 | 43,262 |
| LAVACA BASIN                                 |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 7                                    | 7      | 7      | 7      | 7      | 7      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 3                                    | 3      | 3      | 3      | 3      | 3      |
| LIVESTOCK                                    | L   LAVACA LIVESTOCK LOCAL SUPPLY                   | 2                                    | 2      | 2      | 2      | 2      | 2      |
| LAVACA BASIN TOTAL EXISTING SUPPLY           |                                                     | 12                                   | 12     | 12     | 12     | 12     | 12     |
| LAVACA-GUADALUPE BASIN                       |                                                     |                                      |        |        |        |        |        |
| VICTORIA                                     | L   CANYON LAKE/RESERVOIR                           | 404                                  | 404    | 404    | 404    | 404    | 404    |
| VICTORIA                                     | L   GUADALUPE RUN-OF-RIVER                          | 198                                  | 198    | 198    | 198    | 198    | 198    |
| VICTORIA                                     | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 4,189                                | 4,189  | 4,190  | 4,189  | 4,190  | 4,189  |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 1,425                                | 1,425  | 1,425  | 1,425  | 1,425  | 1,425  |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 33                                   | 34     | 26     | 19     | 12     | 8      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 358                                  | 358    | 358    | 358    | 358    | 358    |
| LIVESTOCK                                    | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY         | 218                                  | 218    | 218    | 218    | 218    | 218    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 14,993                               | 14,993 | 14,993 | 14,993 | 14,993 | 14,993 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                                     | 21,818                               | 21,819 | 21,812 | 21,804 | 21,798 | 21,793 |
| SAN ANTONIO BASIN                            |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 10                                   | 10     | 10     | 10     | 10     | 10     |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 3                                    | 3      | 2      | 1      | 1      | 1      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 25                                   | 25     | 25     | 25     | 25     | 25     |
| LIVESTOCK                                    | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | 24                                   | 24     | 24     | 24     | 24     | 24     |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| VICTORIA COUNTY                         |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 62                                   | 62     | 61     | 60     | 60     | 60     |
| VICTORIA COUNTY TOTAL EXISTING SUPPLY   |                                              | 65,181                               | 65,184 | 65,165 | 65,150 | 65,136 | 65,127 |
| WILSON COUNTY                           |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                         |                                              |                                      |        |        |        |        |        |
| NIXON                                   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 12                                   | 11     | 11     | 15     | 15     | 14     |
| SUNKO WSC                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 8                                    | 8      | 8      | 7      | 8      | 7      |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 125                                  | 125    | 125    | 125    | 125    | 125    |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 174                                  | 139    | 105    | 70     | 36     | 18     |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 38                                   | 38     | 38     | 38     | 38     | 38     |
| LIVESTOCK                               | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 54                                   | 54     | 54     | 54     | 54     | 54     |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 7                                    | 7      | 7      | 7      | 7      | 7      |
| LIVESTOCK                               | L   SPARTA AQUIFER   WILSON COUNTY           | 4                                    | 4      | 4      | 4      | 4      | 4      |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 5                                    | 5      | 5      | 5      | 5      | 5      |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                              | 427                                  | 391    | 357    | 325    | 292    | 272    |
| NUECES BASIN                            |                                              |                                      |        |        |        |        |        |
| MCCOY WSC                               | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 72                                   | 76     | 79     | 82     | 84     | 85     |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 95                                   | 95     | 95     | 95     | 95     | 95     |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 174                                  | 139    | 105    | 70     | 36     | 18     |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 26                                   | 26     | 26     | 26     | 26     | 26     |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY            | 54                                   | 54     | 55     | 55     | 56     | 56     |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 5                                    | 5      | 4      | 4      | 3      | 3      |
| LIVESTOCK                               | L   SPARTA AQUIFER   WILSON COUNTY           | 10                                   | 10     | 10     | 10     | 10     | 10     |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 13                                   | 13     | 13     | 13     | 13     | 13     |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 4,800                                | 4,300  | 3,800  | 3,400  | 3,000  | 2,800  |
| IRRIGATION                              | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 127                                  | 112    | 100    | 89     | 80     | 80     |
| IRRIGATION                              | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 28                                   | 28     | 28     | 28     | 28     | 28     |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                              | 5,404                                | 4,858  | 4,315  | 3,872  | 3,431  | 3,214  |
| SAN ANTONIO BASIN                       |                                              |                                      |        |        |        |        |        |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY   | 19                                   | 24     | 29     | 34     | 38     | 41     |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY       | 27                                   | 32     | 37     | 42     | 45     | 48     |
| ELMENDORF                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 3                                    | 3      | 4      | 4      | 4      | 5      |
| FLORESVILLE                             | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 2,336                                | 2,336  | 2,336  | 2,336  | 2,336  | 2,336  |
| LA VERNIA                               | L   CANYON LAKE/RESERVOIR                    | 270                                  | 270    | 270    | 270    | 270    | 270    |
| LA VERNIA                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 146                                  | 146    | 146    | 146    | 146    | 146    |
| LA VERNIA                               | L   GUADALUPE RUN-OF-RIVER                   | 130                                  | 130    | 130    | 130    | 130    | 130    |
| MCCOY WSC                               | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 7                                    | 7      | 7      | 7      | 7      | 7      |
| OAK HILLS WSC                           | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,863                                | 1,863  | 1,863  | 1,863  | 1,863  | 1,863  |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |           |           |           |           |           |
|-----------------------------------------|----------------------------------------------|--------------------------------------|-----------|-----------|-----------|-----------|-----------|
|                                         |                                              | 2020                                 | 2030      | 2040      | 2050      | 2060      | 2070      |
| WILSON COUNTY                           |                                              |                                      |           |           |           |           |           |
| SAN ANTONIO BASIN                       |                                              |                                      |           |           |           |           |           |
| POTH                                    | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,303                                | 1,303     | 1,303     | 1,303     | 1,303     | 1,303     |
| STOCKDALE                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,762                                | 1,762     | 1,762     | 1,762     | 1,762     | 1,762     |
| SUNKO WSC                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,248                                | 1,255     | 1,262     | 1,268     | 1,271     | 1,274     |
| S S WSC                                 | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 3,593                                | 3,593     | 3,593     | 3,593     | 3,593     | 3,593     |
| EAST CENTRAL SUD                        | L   CANYON LAKE/RESERVOIR                    | 80                                   | 83        | 84        | 83        | 81        | 78        |
| EAST CENTRAL SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 75                                   | 81        | 85        | 88        | 90        | 91        |
| EAST CENTRAL SUD                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 31                                   | 33        | 34        | 35        | 35        | 35        |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 2,665                                | 2,665     | 2,665     | 2,665     | 2,665     | 2,665     |
| COUNTY-OTHER                            | L   SAN ANTONIO RUN-OF-RIVER                 | 42                                   | 42        | 42        | 42        | 42        | 42        |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 10                                   | 10        | 10        | 10        | 10        | 10        |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,581                                | 1,270     | 955       | 642       | 327       | 168       |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 422                                  | 422       | 422       | 422       | 422       | 422       |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 198                                  | 198       | 198       | 198       | 198       | 198       |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 759                                  | 759       | 759       | 759       | 759       | 759       |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 142                                  | 142       | 142       | 142       | 142       | 142       |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 8,500                                | 7,500     | 6,500     | 5,500     | 4,500     | 3,500     |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER                 | 1,728                                | 1,728     | 1,728     | 1,728     | 1,728     | 1,728     |
| IRRIGATION                              | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 84                                   | 84        | 84        | 84        | 84        | 84        |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 29,024                               | 27,741    | 26,450    | 25,156    | 23,851    | 22,700    |
| WILSON COUNTY TOTAL EXISTING SUPPLY     |                                              | 34,855                               | 32,990    | 31,122    | 29,353    | 27,574    | 26,186    |
| ZAVALA COUNTY                           |                                              |                                      |           |           |           |           |           |
| NUECES BASIN                            |                                              |                                      |           |           |           |           |           |
| CRYSTAL CITY                            | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 3,523                                | 3,523     | 3,523     | 3,523     | 3,523     | 3,523     |
| ZAVALA COUNTY WCID #1                   | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 1,272                                | 1,272     | 1,272     | 1,272     | 1,272     | 1,272     |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 900                                  | 900       | 900       | 900       | 900       | 900       |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 1,434                                | 1,434     | 1,434     | 1,434     | 1,434     | 1,434     |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 2,531                                | 2,257     | 1,977     | 1,559     | 932       | 557       |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 464                                  | 464       | 464       | 464       | 464       | 464       |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY            | 594                                  | 594       | 594       | 594       | 594       | 594       |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 25,735                               | 25,670    | 25,817    | 26,136    | 26,443    | 26,819    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                              | 36,453                               | 36,114    | 35,981    | 35,882    | 35,562    | 35,563    |
| ZAVALA COUNTY TOTAL EXISTING SUPPLY     |                                              | 36,453                               | 36,114    | 35,981    | 35,882    | 35,562    | 35,563    |
|                                         |                                              |                                      |           |           |           |           |           |
| REGION L TOTAL EXISTING SUPPLY          |                                              | 1,026,026                            | 1,021,544 | 1,015,817 | 1,011,106 | 1,005,979 | 1,003,869 |

## **EXISTING WATER SUPPLY**

**WUG (NEEDS)/SURPLUS**

| REGION L                 | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |          |           |           |           |           |
|--------------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|
|                          | 2020                                     | 2030     | 2040      | 2050      | 2060      | 2070      |
| <b>ATASCOSA COUNTY</b>   |                                          |          |           |           |           |           |
| <b>NUECES BASIN</b>      |                                          |          |           |           |           |           |
| BENTON CITY WSC          | 533                                      | 406      | 294       | 185       | 82        | (13)      |
| CHARLOTTE                | 346                                      | 304      | 265       | 223       | 182       | 143       |
| JOURDANTON               | 1,135                                    | 1,011    | 896       | 777       | 660       | 550       |
| LYTLE                    | (134)                                    | (198)    | (254)     | (310)     | (365)     | (418)     |
| MCCOY WSC                | 601                                      | 490      | 386       | 277       | 168       | 66        |
| PLEASANTON               | 1,494                                    | 1,195    | 918       | 634       | 354       | 92        |
| POTEET                   | 946                                      | 895      | 847       | 795       | 740       | 688       |
| SAN ANTONIO WATER SYSTEM | (87)                                     | (171)    | (252)     | (336)     | (418)     | (501)     |
| COUNTY-OTHER             | 469                                      | 376      | 288       | 193       | 94        | 1         |
| MANUFACTURING            | 0                                        | 0        | 0         | 0         | 0         | 0         |
| MINING                   | 0                                        | 0        | 0         | 0         | 0         | 0         |
| STEAM ELECTRIC POWER     | 3,848                                    | 2,554    | 2,658     | 1,319     | 983       | 836       |
| LIVESTOCK                | 0                                        | 0        | 0         | 0         | 0         | 0         |
| IRRIGATION               | 0                                        | 0        | 0         | 0         | 0         | 0         |
| <b>SAN ANTONIO BASIN</b> |                                          |          |           |           |           |           |
| BENTON CITY WSC          | 66                                       | 50       | 36        | 23        | 10        | (2)       |
| COUNTY-OTHER             | 42                                       | 33       | 26        | 17        | 8         | 0         |
| IRRIGATION               | 0                                        | 0        | 0         | 0         | 0         | 0         |
| <b>BEXAR COUNTY</b>      |                                          |          |           |           |           |           |
| <b>NUECES BASIN</b>      |                                          |          |           |           |           |           |
| ATASCOSA RURAL WSC       | (64)                                     | (79)     | (93)      | (107)     | (121)     | (134)     |
| LYTLE                    | (3)                                      | (6)      | (8)       | (11)      | (13)      | (15)      |
| COUNTY-OTHER             | (1,190)                                  | (1,324)  | (1,460)   | (1,603)   | (1,742)   | (1,870)   |
| LIVESTOCK                | 0                                        | 0        | 0         | 0         | 0         | 0         |
| IRRIGATION               | (1,063)                                  | (1,008)  | (956)     | (905)     | (857)     | (814)     |
| <b>SAN ANTONIO BASIN</b> |                                          |          |           |           |           |           |
| ALAMO HEIGHTS            | (796)                                    | (848)    | (820)     | (807)     | (805)     | (805)     |
| ATASCOSA RURAL WSC       | (1,103)                                  | (1,367)  | (1,615)   | (1,863)   | (2,097)   | (2,314)   |
| BALCONES HEIGHTS         | 0                                        | 0        | 0         | 0         | 0         | 0         |
| CASTLE HILLS             | 0                                        | 0        | 0         | 0         | 0         | 0         |
| CHINA GROVE              | 0                                        | 0        | 0         | 0         | 0         | 0         |
| CONVERSE                 | (903)                                    | (1,111)  | (1,297)   | (1,272)   | (1,265)   | (1,264)   |
| EAST CENTRAL SUD         | 243                                      | 72       | (87)      | (255)     | (422)     | (577)     |
| ELMENDORF                | 0                                        | 0        | 0         | 0         | 0         | 0         |
| FAIR OAKS RANCH          | 1,079                                    | 790      | 581       | 464       | 286       | 133       |
| GREEN VALLEY SUD         | (11)                                     | (40)     | (66)      | (93)      | (124)     | (154)     |
| HELOTES                  | 0                                        | 0        | 0         | 0         | 0         | 0         |
| HILL COUNTRY VILLAGE     | 0                                        | 0        | 0         | 0         | 0         | 0         |
| HOLLYWOOD PARK           | 0                                        | 0        | 0         | 0         | 0         | 0         |
| KIRBY                    | (137)                                    | (207)    | (181)     | (172)     | (169)     | (169)     |
| LACKLAND AFB             | 946                                      | 987      | 1,019     | 1,038     | 1,041     | 1,041     |
| LEON VALLEY              | (97)                                     | (147)    | (196)     | (254)     | (317)     | (377)     |
| LIVE OAK                 | 512                                      | 505      | 532       | 547       | 551       | 551       |
| OLMOS PARK               | 0                                        | 0        | 0         | 0         | 0         | 0         |
| RANDOLPH AFB             | 1,903                                    | 1,891    | 1,879     | 1,868     | 1,858     | 1,849     |
| SAN ANTONIO              | (61,808)                                 | (85,738) | (110,443) | (134,047) | (157,465) | (179,233) |
| SAN ANTONIO WATER SYSTEM | (3,407)                                  | (6,580)  | (9,572)   | (12,594)  | (15,542)  | (18,265)  |

**WUG (NEEDS)/SURPLUS**

| REGION L                 | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |         |         |         |         |         |
|--------------------------|------------------------------------------|---------|---------|---------|---------|---------|
|                          | 2020                                     | 2030    | 2040    | 2050    | 2060    | 2070    |
| <b>BEXAR COUNTY</b>      |                                          |         |         |         |         |         |
| <b>SAN ANTONIO BASIN</b> |                                          |         |         |         |         |         |
| SCHERTZ                  | 150                                      | 32      | (35)    | (123)   | (224)   | (329)   |
| SELMA                    | 348                                      | (7)     | (57)    | (107)   | (157)   | (206)   |
| SHAVANO PARK             | (425)                                    | (555)   | (677)   | (797)   | (909)   | (1,013) |
| SOMERSET                 | 0                                        | 0       | 0       | 0       | 0       | 0       |
| ST. HEDWIG               | 0                                        | 0       | 0       | 0       | 0       | 0       |
| TERRELL HILLS            | 0                                        | 0       | 0       | 0       | 0       | 0       |
| THE OAKS WSC             | 121                                      | 58      | (1)     | (60)    | (114)   | (165)   |
| UNIVERSAL CITY           | (416)                                    | (431)   | (372)   | (339)   | (333)   | (332)   |
| VON ORMY                 | 70                                       | 57      | 45      | 32      | 19      | 6       |
| WATER SERVICES INC       | 402                                      | 337     | 274     | 206     | 139     | 78      |
| WINDCREST                | (326)                                    | (343)   | (361)   | (388)   | (420)   | (451)   |
| COUNTY-OTHER             | 5,527                                    | 3,909   | 1,993   | (295)   | (2,340) | (4,214) |
| MANUFACTURING            | 8,666                                    | 6,139   | 3,601   | 1,368   | (1,058) | (3,680) |
| MINING                   | 0                                        | 0       | 0       | 0       | 0       | 0       |
| STEAM ELECTRIC POWER     | 23,685                                   | 19,399  | 16,625  | 13,545  | 10,125  | 6,374   |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION               | (4,053)                                  | (3,617) | (3,198) | (2,798) | (2,414) | (2,077) |
| <b>CALDWELL COUNTY</b>   |                                          |         |         |         |         |         |
| <b>COLORADO BASIN</b>    |                                          |         |         |         |         |         |
| AQUA WSC                 | 43                                       | 35      | 26      | 18      | 9       | 0       |
| CREEDMOOR-MAHA WSC       | 0                                        | 0       | 0       | 0       | 0       | 0       |
| MUSTANG RIDGE            | 0                                        | 0       | 0       | 0       | 0       | 0       |
| POLONIA WSC              | 118                                      | 65      | 11      | (45)    | (104)   | (164)   |
| COUNTY-OTHER             | 182                                      | 173     | 163     | 154     | 143     | 133     |
| MINING                   | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION               | 0                                        | 2       | 4       | 6       | 7       | 8       |
| <b>GUADALUPE BASIN</b>   |                                          |         |         |         |         |         |
| AQUA WSC                 | 242                                      | 195     | 148     | 99      | 49      | 0       |
| COUNTY LINE WSC          | 56                                       | 19      | (22)    | (64)    | (104)   | (141)   |
| CREEDMOOR-MAHA WSC       | 0                                        | 0       | 0       | 0       | 0       | 0       |
| GOFORTH SUD              | 0                                        | 0       | 0       | 0       | 0       | 0       |
| GONZALES COUNTY WSC      | 14                                       | 11      | 4       | (3)     | 6       | (3)     |
| LOCKHART                 | (188)                                    | (613)   | (1,042) | (1,484) | (1,947) | (2,402) |
| LULING                   | 133                                      | (41)    | (217)   | (400)   | (594)   | (784)   |
| MARTINDALE               | 3                                        | (31)    | (66)    | (102)   | (140)   | (177)   |
| MAXWELL WSC              | 624                                      | 578     | 519     | 448     | 368     | 286     |
| MUSTANG RIDGE            | 0                                        | 0       | 0       | 0       | 0       | 0       |
| NIEDERWALD               | (13)                                     | (16)    | (20)    | (23)    | (26)    | (29)    |
| POLONIA WSC              | 262                                      | 146     | 26      | (101)   | (237)   | (377)   |
| SAN MARCOS               | 1                                        | 0       | (1)     | (1)     | (2)     | (3)     |
| UHLAND                   | 0                                        | 0       | 0       | 0       | 0       | 0       |
| COUNTY-OTHER             | 1,108                                    | 986     | 862     | 732     | 596     | 462     |
| MANUFACTURING            | 5                                        | 4       | 3       | 2       | 1       | 0       |
| MINING                   | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION               | 34                                       | 101     | 160     | 213     | 261     | 294     |



**WUG (NEEDS)/SURPLUS**

| REGION L                          | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |          |         |         |         |          |
|-----------------------------------|------------------------------------------|----------|---------|---------|---------|----------|
|                                   | 2020                                     | 2030     | 2040    | 2050    | 2060    | 2070     |
| <b>CALHOUN COUNTY</b>             |                                          |          |         |         |         |          |
| <b>COLORADO-LAVACA BASIN</b>      |                                          |          |         |         |         |          |
| POINT COMFORT                     | 91                                       | 86       | 79      | 71      | 63      | 54       |
| COUNTY-OTHER                      | 76                                       | 69       | 59      | 50      | 41      | 31       |
| MANUFACTURING                     | 5,746                                    | 3,338    | 951     | (1,156) | (3,813) | (6,113)  |
| MINING                            | 2                                        | 0        | 8       | 13      | 19      | 22       |
| LIVESTOCK                         | 0                                        | 0        | 0       | 0       | 0       | 0        |
| IRRIGATION                        | (564)                                    | (482)    | (427)   | (388)   | (351)   | (313)    |
| <b>GUADALUPE BASIN</b>            |                                          |          |         |         |         |          |
| LIVESTOCK                         | 0                                        | 0        | 0       | 0       | 0       | 0        |
| <b>LAVACA-GUADALUPE BASIN</b>     |                                          |          |         |         |         |          |
| CALHOUN COUNTY WS                 | 1,144                                    | 1,124    | 1,102   | 1,075   | 1,043   | 1,010    |
| PORT LAVACA                       | 2,553                                    | 2,400    | 2,243   | 2,072   | 1,882   | 1,694    |
| PORT O'CONNOR MUD                 | 1,210                                    | 1,204    | 1,197   | 1,188   | 1,178   | 1,168    |
| SEADRIFT                          | 472                                      | 450      | 428     | 404     | 379     | 354      |
| COUNTY-OTHER                      | 90                                       | 80       | 65      | 51      | 36      | 23       |
| MANUFACTURING                     | 4,642                                    | 2,672    | 719     | (1,005) | (3,180) | (5,061)  |
| MINING                            | 1                                        | 0        | 6       | 12      | 17      | 21       |
| LIVESTOCK                         | 0                                        | 0        | 0       | 0       | 0       | 0        |
| IRRIGATION                        | (11,697)                                 | (10,243) | (9,258) | (8,552) | (7,894) | (7,206)  |
| <b>SAN ANTONIO-NUECES BASIN</b>   |                                          |          |         |         |         |          |
| COUNTY-OTHER                      | 15                                       | 14       | 13      | 12      | 11      | 10       |
| LIVESTOCK                         | 0                                        | 0        | 0       | 0       | 0       | 0        |
| IRRIGATION                        | (12)                                     | (11)     | (10)    | (9)     | (9)     | (8)      |
| <b>COMAL COUNTY</b>               |                                          |          |         |         |         |          |
| <b>GUADALUPE BASIN</b>            |                                          |          |         |         |         |          |
| BULVERDE                          | 0                                        | 0        | 0       | 0       | 0       | 0        |
| CANYON LAKE WATER SERVICE COMPANY | 796                                      | (541)    | (1,913) | (3,298) | (4,680) | (6,009)  |
| CRYSTAL CLEAR WSC                 | 40                                       | (5)      | (54)    | (103)   | (156)   | (207)    |
| GARDEN RIDGE                      | (653)                                    | (1,021)  | (1,398) | (1,780) | (2,161) | (2,528)  |
| GREEN VALLEY SUD                  | (2)                                      | (4)      | (9)     | (14)    | (21)    | (26)     |
| NEW BRAUNFELS                     | 2,069                                    | (661)    | (3,515) | (6,452) | (9,435) | (12,329) |
| SAN ANTONIO WATER SYSTEM          | (80)                                     | (204)    | (357)   | (541)   | (742)   | (946)    |
| SCHERTZ                           | 156                                      | 43       | (56)    | (221)   | (452)   | (718)    |
| COUNTY-OTHER                      | 722                                      | 754      | 822     | 851     | 918     | 965      |
| MANUFACTURING                     | (4,331)                                  | (5,075)  | (5,799) | (6,419) | (7,291) | (8,236)  |
| MINING                            | 0                                        | 0        | 0       | 0       | 0       | 0        |
| LIVESTOCK                         | 0                                        | 0        | 0       | 0       | 0       | 0        |
| IRRIGATION                        | 493                                      | 528      | 563     | 598     | 632     | 652      |
| <b>SAN ANTONIO BASIN</b>          |                                          |          |         |         |         |          |
| BULVERDE                          | 0                                        | 0        | 0       | 0       | 0       | 0        |
| CANYON LAKE WATER SERVICE COMPANY | 190                                      | (130)    | (460)   | (797)   | (1,134) | (1,459)  |
| FAIR OAKS RANCH                   | 88                                       | 71       | 56      | 50      | 33      | 16       |
| GARDEN RIDGE                      | (370)                                    | (578)    | (790)   | (1,006) | (1,222) | (1,429)  |
| SAN ANTONIO WATER SYSTEM          | (68)                                     | (175)    | (305)   | (461)   | (636)   | (816)    |
| SCHERTZ                           | 4                                        | 1        | (2)     | (5)     | (11)    | (18)     |
| SELMA                             | 2                                        | (1)      | 0       | (1)     | (1)     | (1)      |
| COUNTY-OTHER                      | 92                                       | 69       | 33      | 24      | 2       | 6        |
| MANUFACTURING                     | 201                                      | 194      | 187     | 180     | 171     | 162      |

**WUG (NEEDS)/SURPLUS**

| REGION L                      | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |         |         |         |         |         |
|-------------------------------|------------------------------------------|---------|---------|---------|---------|---------|
|                               | 2020                                     | 2030    | 2040    | 2050    | 2060    | 2070    |
| <b>COMAL COUNTY</b>           |                                          |         |         |         |         |         |
| <b>SAN ANTONIO BASIN</b>      |                                          |         |         |         |         |         |
| MINING                        | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | 3                                        | 7       | 11      | 15      | 18      | 21      |
| <b>DEWITT COUNTY</b>          |                                          |         |         |         |         |         |
| <b>GUADALUPE BASIN</b>        |                                          |         |         |         |         |         |
| CUERO                         | 1,847                                    | 1,813   | 1,810   | 1,794   | 2,100   | 2,087   |
| GONZALES COUNTY WSC           | 27                                       | 17      | 7       | (3)     | 6       | (2)     |
| YORKTOWN                      | 525                                      | 524     | 526     | 523     | 584     | 582     |
| COUNTY-OTHER                  | 45                                       | 46      | 58      | 59      | 214     | 208     |
| MANUFACTURING                 | 125                                      | 103     | 82      | 64      | 34      | 1       |
| MINING                        | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | 0                                        | 0       | 0       | 0       | 0       | 0       |
| <b>LAVACA BASIN</b>           |                                          |         |         |         |         |         |
| YOAKUM                        | 3                                        | 0       | 3       | 2       | 56      | 54      |
| COUNTY-OTHER                  | 3                                        | 5       | 15      | 24      | 52      | 51      |
| MANUFACTURING                 | 94                                       | 83      | 80      | 82      | 64      | 43      |
| MINING                        | (44)                                     | (38)    | (16)    | (2)     | 0       | 0       |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | (74)                                     | (68)    | (39)    | (6)     | 0       | 0       |
| <b>LAVACA-GUADALUPE BASIN</b> |                                          |         |         |         |         |         |
| COUNTY-OTHER                  | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | 0                                        | 0       | 0       | 0       | 0       | 0       |
| <b>SAN ANTONIO BASIN</b>      |                                          |         |         |         |         |         |
| COUNTY-OTHER                  | 1                                        | 1       | 2       | 2       | 14      | 13      |
| MINING                        | 0                                        | 0       | 0       | 0       | 0       | 0       |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | 0                                        | 0       | 0       | 0       | 0       | 0       |
| <b>DIMMIT COUNTY</b>          |                                          |         |         |         |         |         |
| <b>NUECES BASIN</b>           |                                          |         |         |         |         |         |
| ASHERTON                      | (28)                                     | (46)    | (61)    | (77)    | 33      | 26      |
| BIG WELLS                     | 77                                       | 70      | 66      | 59      | 113     | 110     |
| CARRIZO SPRINGS               | (267)                                    | (399)   | (476)   | (578)   | 147     | 100     |
| COUNTY-OTHER                  | (296)                                    | (325)   | (338)   | (360)   | (170)   | (183)   |
| MINING                        | (4,172)                                  | (4,243) | (3,667) | (2,355) | (1,047) | (438)   |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | (2,695)                                  | (2,643) | (2,443) | (2,238) | (2,041) | (1,907) |
| <b>RIO GRANDE BASIN</b>       |                                          |         |         |         |         |         |
| COUNTY-OTHER                  | (1)                                      | (1)     | (2)     | (2)     | (1)     | (1)     |
| MINING                        | (654)                                    | (665)   | (577)   | (376)   | (175)   | (81)    |
| LIVESTOCK                     | 0                                        | 0       | 0       | 0       | 0       | 0       |
| IRRIGATION                    | (677)                                    | (669)   | (639)   | (608)   | (579)   | (559)   |
| <b>FRIO COUNTY</b>            |                                          |         |         |         |         |         |
| <b>NUECES BASIN</b>           |                                          |         |         |         |         |         |
| BENTON CITY WSC               | 38                                       | 27      | 19      | 12      | 5       | (1)     |
| DILLEY                        | 1,082                                    | 997     | 922     | 844     | 770     | 702     |

**WUG (NEEDS)/SURPLUS**

| REGION L                        | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |       |       |         |         |         |
|---------------------------------|------------------------------------------|-------|-------|---------|---------|---------|
|                                 | 2020                                     | 2030  | 2040  | 2050    | 2060    | 2070    |
| <b>FRIO COUNTY</b>              |                                          |       |       |         |         |         |
| <b>NUECES BASIN</b>             |                                          |       |       |         |         |         |
| PEARSALL                        | 710                                      | 550   | 408   | 259     | 115     | (19)    |
| COUNTY-OTHER                    | 492                                      | 461   | 418   | 377     | 340     | 305     |
| MINING                          | 0                                        | 0     | 0     | 0       | 0       | 0       |
| STEAM ELECTRIC POWER            | 0                                        | 138   | 157   | 397     | 366     | 392     |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| IRRIGATION                      | 0                                        | 0     | 0     | 0       | 0       | 0       |
| <b>GOLIAD COUNTY</b>            |                                          |       |       |         |         |         |
| <b>GUADALUPE BASIN</b>          |                                          |       |       |         |         |         |
| COUNTY-OTHER                    | 87                                       | 42    | 14    | 4       | 153     | 148     |
| MINING                          | 0                                        | 0     | 0     | 0       | 0       | 0       |
| STEAM ELECTRIC POWER            | 9,880                                    | 9,880 | 9,880 | 9,880   | 9,880   | 9,880   |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| IRRIGATION                      | 167                                      | 167   | 167   | 167     | 167     | 167     |
| <b>SAN ANTONIO BASIN</b>        |                                          |       |       |         |         |         |
| GOLIAD                          | 193                                      | 130   | 91    | 75      | 260     | 253     |
| COUNTY-OTHER                    | 70                                       | 33    | 9     | 1       | 126     | 121     |
| MANUFACTURING                   | 88                                       | 71    | 54    | 37      | 20      | 0       |
| MINING                          | 0                                        | 0     | 0     | 0       | 0       | 0       |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| IRRIGATION                      | 808                                      | 808   | 808   | 808     | 808     | 808     |
| <b>SAN ANTONIO-NUECES BASIN</b> |                                          |       |       |         |         |         |
| COUNTY-OTHER                    | 20                                       | 9     | 3     | 1       | 33      | 33      |
| MINING                          | 0                                        | 0     | 0     | 0       | 0       | 0       |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| IRRIGATION                      | 0                                        | 0     | 0     | 0       | 0       | 0       |
| <b>GONZALES COUNTY</b>          |                                          |       |       |         |         |         |
| <b>GUADALUPE BASIN</b>          |                                          |       |       |         |         |         |
| GONZALES                        | 385                                      | 210   | 40    | (174)   | (92)    | (310)   |
| GONZALES COUNTY WSC             | 482                                      | 314   | 125   | (68)    | 130     | (57)    |
| NIXON                           | 2,199                                    | 2,171 | 2,142 | 2,100   | 2,091   | 2,048   |
| SMILEY                          | 89                                       | 79    | 69    | 55      | 61      | 48      |
| WAELDER                         | 373                                      | 356   | 339   | 318     | 327     | 305     |
| COUNTY-OTHER                    | 137                                      | 119   | 85    | 45      | 76      | 37      |
| MANUFACTURING                   | 716                                      | 593   | 473   | 367     | 224     | 71      |
| MINING                          | 0                                        | 0     | 0     | 0       | 0       | 0       |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| IRRIGATION                      | 1,190                                    | 1,523 | 1,811 | 2,058   | 2,270   | 2,410   |
| <b>LAVACA BASIN</b>             |                                          |       |       |         |         |         |
| COUNTY-OTHER                    | 13                                       | 12    | 10    | 9       | 9       | 8       |
| LIVESTOCK                       | 0                                        | 0     | 0     | 0       | 0       | 0       |
| <b>GUADALUPE COUNTY</b>         |                                          |       |       |         |         |         |
| <b>GUADALUPE BASIN</b>          |                                          |       |       |         |         |         |
| CRYSTAL CLEAR WSC               | 217                                      | (32)  | (310) | (613)   | (937)   | (1,265) |
| GONZALES COUNTY WSC             | 8                                        | 5     | 2     | (1)     | 2       | (1)     |
| GREEN VALLEY SUD                | (39)                                     | (146) | (265) | (398)   | (549)   | (700)   |
| LULING                          | 1                                        | 0     | (1)   | (2)     | (2)     | (3)     |
| NEW BRAUNFELS                   | 422                                      | (130) | (672) | (1,206) | (1,740) | (2,251) |

**WUG (NEEDS)/SURPLUS**

| REGION L                 | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |         |         |         |         |          |
|--------------------------|------------------------------------------|---------|---------|---------|---------|----------|
|                          | 2020                                     | 2030    | 2040    | 2050    | 2060    | 2070     |
| <b>GUADALUPE COUNTY</b>  |                                          |         |         |         |         |          |
| <b>GUADALUPE BASIN</b>   |                                          |         |         |         |         |          |
| SANTA CLARA              | 6                                        | 3       | 0       | (2)     | (5)     | (8)      |
| SCHERTZ                  | 301                                      | 68      | (70)    | (226)   | (389)   | (545)    |
| SEGUIN                   | 0                                        | 0       | 0       | 0       | 0       | 0        |
| SPRINGS HILL WSC         | 3,272                                    | 3,017   | 2,613   | 1,958   | 1,259   | 555      |
| COUNTY-OTHER             | 1,506                                    | 1,648   | 1,532   | 1,490   | 1,453   | 1,417    |
| MANUFACTURING            | 658                                      | 362     | 78      | (167)   | (497)   | (855)    |
| MINING                   | 0                                        | 0       | 0       | 0       | 0       | 0        |
| STEAM ELECTRIC POWER     | 7,808                                    | 8,851   | 8,656   | 8,207   | 6,277   | 5,421    |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0        |
| IRRIGATION               | 548                                      | 587     | 624     | 635     | 637     | 654      |
| <b>SAN ANTONIO BASIN</b> |                                          |         |         |         |         |          |
| CIBOLO                   | (1,417)                                  | (3,897) | (5,222) | (6,521) | (7,847) | (9,149)  |
| EAST CENTRAL SUD         | 17                                       | 6       | (8)     | (21)    | (39)    | (56)     |
| GREEN VALLEY SUD         | (30)                                     | (107)   | (193)   | (291)   | (401)   | (511)    |
| MARION                   | 168                                      | 143     | 116     | 87      | 57      | 27       |
| NEW BERLIN               | 0                                        | 0       | 0       | 0       | 0       | 0        |
| SANTA CLARA              | 33                                       | 19      | 3       | (13)    | (30)    | (47)     |
| SCHERTZ                  | 3,752                                    | 856     | (872)   | (2,835) | (4,867) | (6,828)  |
| SELMA                    | 166                                      | (8)     | (47)    | (83)    | (112)   | (138)    |
| SPRINGS HILL WSC         | 440                                      | 408     | 353     | 265     | 170     | 74       |
| WATER SERVICES INC       | 24                                       | 22      | 19      | 15      | 11      | 6        |
| COUNTY-OTHER             | 377                                      | 342     | 293     | 274     | 257     | 242      |
| MANUFACTURING            | 6                                        | 5       | 4       | 4       | 3       | 1        |
| MINING                   | 0                                        | 0       | 0       | 0       | 0       | 0        |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0        |
| IRRIGATION               | 1                                        | 9       | 17      | 20      | 20      | 24       |
| <b>HAYS COUNTY</b>       |                                          |         |         |         |         |          |
| <b>GUADALUPE BASIN</b>   |                                          |         |         |         |         |          |
| BUDA                     | 0                                        | 0       | 0       | 0       | 0       | 0        |
| COUNTY LINE WSC          | 122                                      | 45      | (56)    | (187)   | (336)   | (500)    |
| CREEDMOOR-MAHA WSC       | 0                                        | 0       | 0       | 0       | 0       | 0        |
| CRYSTAL CLEAR WSC        | 84                                       | (13)    | (118)   | (243)   | (388)   | (551)    |
| GOFORTH SUD              | 2,763                                    | 2,340   | 1,810   | 1,133   | 358     | (525)    |
| KYLE                     | 1,176                                    | (1,348) | (2,801) | (2,787) | (2,776) | (2,783)  |
| MAXWELL WSC              | 176                                      | 144     | 120     | 101     | 83      | 64       |
| MOUNTAIN CITY            | 4                                        | (1)     | (7)     | (17)    | (29)    | (42)     |
| NIEDERWALD               | (49)                                     | (65)    | (85)    | (111)   | (140)   | (174)    |
| PLUM CREEK WATER COMPANY | 248                                      | (185)   | (184)   | (185)   | (184)   | (184)    |
| SAN MARCOS               | 1,867                                    | (140)   | (2,629) | (5,685) | (9,405) | (13,855) |
| UHLAND                   | 0                                        | 0       | 0       | 0       | 0       | 0        |
| WIMBERLEY                | 218                                      | 44      | (174)   | (456)   | (778)   | (1,146)  |
| WIMBERLEY WSC            | 233                                      | 26      | (236)   | (564)   | (934)   | (1,356)  |
| WOODCREEK                | 716                                      | 687     | 649     | 599     | 540     | 473      |
| COUNTY-OTHER             | 3,101                                    | 2,881   | 601     | (1,109) | (6,654) | (12,812) |
| MANUFACTURING            | (107)                                    | (122)   | (138)   | (152)   | (165)   | (179)    |
| STEAM ELECTRIC POWER     | 4,646                                    | 4,411   | 3,394   | 2,668   | 1,688   | 353      |
| LIVESTOCK                | 0                                        | 0       | 0       | 0       | 0       | 0        |

**WUG (NEEDS)/SURPLUS**

| REGION L                        | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |         |       |       |         |         |
|---------------------------------|------------------------------------------|---------|-------|-------|---------|---------|
|                                 | 2020                                     | 2030    | 2040  | 2050  | 2060    | 2070    |
| <b>HAYS COUNTY</b>              |                                          |         |       |       |         |         |
| <b>GUADALUPE BASIN</b>          |                                          |         |       |       |         |         |
| IRRIGATION                      | 88                                       | 94      | 100   | 106   | 112     | 118     |
| <b>KARNES COUNTY</b>            |                                          |         |       |       |         |         |
| <b>GUADALUPE BASIN</b>          |                                          |         |       |       |         |         |
| EL OSO WSC                      | 2                                        | 2       | 2     | 2     | 2       | 3       |
| COUNTY-OTHER                    | 14                                       | 14      | 14    | 14    | 15      | 15      |
| MINING                          | 0                                        | 0       | 0     | 0     | 0       | 0       |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| IRRIGATION                      | 3                                        | 5       | 8     | 10    | 12      | 13      |
| <b>NUECES BASIN</b>             |                                          |         |       |       |         |         |
| EL OSO WSC                      | 4                                        | 4       | 4     | 4     | 4       | 4       |
| COUNTY-OTHER                    | 9                                        | 9       | 9     | 9     | 9       | 9       |
| MINING                          | (217)                                    | (156)   | (94)  | (35)  | 24      | 26      |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| IRRIGATION                      | 0                                        | 4       | 7     | 11    | 14      | 16      |
| <b>SAN ANTONIO BASIN</b>        |                                          |         |       |       |         |         |
| EL OSO WSC                      | 109                                      | 112     | 124   | 129   | 142     | 135     |
| FALLS CITY                      | 73                                       | 85      | 97    | 103   | 111     | 111     |
| KARNES CITY                     | (336)                                    | (322)   | (298) | (285) | (249)   | (249)   |
| KENEDY                          | (161)                                    | (189)   | (179) | (178) | (151)   | (151)   |
| RUNGE                           | 43                                       | 41      | 45    | 46    | 47      | 47      |
| SUNKO WSC                       | 20                                       | 12      | 5     | 2     | 0       | (2)     |
| COUNTY-OTHER                    | 9                                        | 2       | 8     | 11    | 23      | 23      |
| MANUFACTURING                   | 58                                       | 53      | 49    | 46    | 28      | 17      |
| MINING                          | (1,581)                                  | (1,094) | (589) | (89)  | 17      | 29      |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| IRRIGATION                      | 187                                      | 241     | 291   | 335   | 375     | 406     |
| <b>SAN ANTONIO-NUECES BASIN</b> |                                          |         |       |       |         |         |
| EL OSO WSC                      | 0                                        | 1       | 1     | 1     | 1       | 1       |
| COUNTY-OTHER                    | 14                                       | 14      | 14    | 14    | 14      | 14      |
| MINING                          | (66)                                     | (42)    | (17)  | 9     | 9       | 1       |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| IRRIGATION                      | 0                                        | 2       | 3     | 4     | 5       | 6       |
| <b>KENDALL COUNTY</b>           |                                          |         |       |       |         |         |
| <b>COLORADO BASIN</b>           |                                          |         |       |       |         |         |
| COUNTY-OTHER                    | 47                                       | 40      | 31    | 22    | 13      | 3       |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| <b>GUADALUPE BASIN</b>          |                                          |         |       |       |         |         |
| KENDALL COUNTY WCID #1          | 472                                      | 434     | 391   | 345   | 294     | 244     |
| COUNTY-OTHER                    | 2,327                                    | 1,989   | 1,625 | 1,252 | 856     | 464     |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |
| IRRIGATION                      | 55                                       | 61      | 68    | 73    | 78      | 84      |
| <b>SAN ANTONIO BASIN</b>        |                                          |         |       |       |         |         |
| BOERNE                          | 2,159                                    | 1,265   | 308   | (650) | (1,639) | (2,613) |
| FAIR OAKS RANCH                 | 540                                      | 512     | 459   | 426   | 298     | 153     |
| WATER SERVICES INC              | 28                                       | 25      | 23    | 18    | 13      | 8       |
| COUNTY-OTHER                    | 383                                      | 341     | 272   | 168   | 84      | 1       |
| LIVESTOCK                       | 0                                        | 0       | 0     | 0     | 0       | 0       |

**WUG (NEEDS)/SURPLUS**

| REGION L                        | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |          |          |          |          |          |
|---------------------------------|------------------------------------------|----------|----------|----------|----------|----------|
|                                 | 2020                                     | 2030     | 2040     | 2050     | 2060     | 2070     |
| <b>KENDALL COUNTY</b>           |                                          |          |          |          |          |          |
| <b>SAN ANTONIO BASIN</b>        |                                          |          |          |          |          |          |
| IRRIGATION                      | 30                                       | 32       | 33       | 35       | 36       | 37       |
| <b>LA SALLE COUNTY</b>          |                                          |          |          |          |          |          |
| <b>NUECES BASIN</b>             |                                          |          |          |          |          |          |
| COTULLA                         | 132                                      | (16)     | (155)    | (323)    | 320      | 223      |
| ENCINAL                         | 55                                       | 40       | 25       | 5        | 77       | 67       |
| COUNTY-OTHER                    | (22)                                     | (56)     | (90)     | (133)    | 42       | 16       |
| MINING                          | (4,088)                                  | (4,243)  | (3,734)  | (2,290)  | (851)    | (147)    |
| LIVESTOCK                       | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                      | 0                                        | 143      | 282      | 416      | 546      | 665      |
| <b>MEDINA COUNTY</b>            |                                          |          |          |          |          |          |
| <b>NUECES BASIN</b>             |                                          |          |          |          |          |          |
| BENTON CITY WSC                 | 338                                      | 267      | 196      | 124      | 55       | (9)      |
| DEVINE                          | 88                                       | 77       | 68       | 54       | 36       | 19       |
| EAST MEDINA COUNTY SUD          | 235                                      | 168      | 107      | 50       | (10)     | (64)     |
| HONDO                           | (523)                                    | (680)    | (816)    | (943)    | (1,068)  | (1,180)  |
| LYTLE                           | (34)                                     | (53)     | (71)     | (88)     | (106)    | (121)    |
| NATALIA                         | (101)                                    | (129)    | (153)    | (176)    | (199)    | (220)    |
| YANCEY WSC                      | (6)                                      | (19)     | (30)     | (41)     | (51)     | (61)     |
| COUNTY-OTHER                    | 500                                      | 472      | 403      | 344      | 289      | 246      |
| MANUFACTURING                   | 1,898                                    | 1,895    | 1,891    | 1,888    | 1,884    | 1,879    |
| MINING                          | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                       | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                      | (29,816)                                 | (27,758) | (25,779) | (23,882) | (22,065) | (20,461) |
| <b>SAN ANTONIO BASIN</b>        |                                          |          |          |          |          |          |
| CASTROVILLE                     | (224)                                    | (217)    | (210)    | (208)    | (211)    | (214)    |
| EAST MEDINA COUNTY SUD          | 22                                       | 15       | 10       | 4        | (1)      | (6)      |
| LACOSTE                         | (10)                                     | (20)     | (28)     | (37)     | (47)     | (56)     |
| SAN ANTONIO                     | (4)                                      | (5)      | (7)      | (10)     | (11)     | (14)     |
| SAN ANTONIO WATER SYSTEM        | (44)                                     | (114)    | (194)    | (278)    | (366)    | (448)    |
| YANCEY WSC                      | (22)                                     | (76)     | (124)    | (167)    | (210)    | (248)    |
| COUNTY-OTHER                    | 764                                      | 736      | 757      | 766      | 768      | 762      |
| MANUFACTURING                   | 8                                        | 7        | 7        | 6        | 5        | 5        |
| MINING                          | 0                                        | 0        | 50       | 50       | 50       | 50       |
| LIVESTOCK                       | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                      | (1,713)                                  | (1,386)  | (1,071)  | (771)    | (482)    | (228)    |
| <b>REFUGIO COUNTY</b>           |                                          |          |          |          |          |          |
| <b>SAN ANTONIO BASIN</b>        |                                          |          |          |          |          |          |
| COUNTY-OTHER                    | 1                                        | 1        | 2        | 2        | 4        | 4        |
| MINING                          | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                       | 0                                        | 0        | 0        | 0        | 0        | 0        |
| <b>SAN ANTONIO-NUECES BASIN</b> |                                          |          |          |          |          |          |
| REFUGIO                         | 431                                      | 426      | 437      | 429      | 656      | 654      |
| WOODSBORO                       | 245                                      | 245      | 252      | 246      | 348      | 347      |
| COUNTY-OTHER                    | 4                                        | 10       | 23       | 21       | 160      | 159      |
| MINING                          | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                       | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                      | 0                                        | 0        | 0        | 0        | 0        | 0        |

**WUG (NEEDS)/SURPLUS**

| REGION L                      | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |          |          |          |          |          |
|-------------------------------|------------------------------------------|----------|----------|----------|----------|----------|
|                               | 2020                                     | 2030     | 2040     | 2050     | 2060     | 2070     |
| <b>UVALDE COUNTY</b>          |                                          |          |          |          |          |          |
| <b>NUECES BASIN</b>           |                                          |          |          |          |          |          |
| SABINAL                       | (121)                                    | (153)    | (181)    | (212)    | (245)    | (277)    |
| UVALDE                        | (943)                                    | (1,233)  | (1,484)  | (1,772)  | (2,072)  | (2,365)  |
| COUNTY-OTHER                  | 2,938                                    | 2,453    | 2,408    | 2,356    | 2,287    | 2,190    |
| MANUFACTURING                 | 102                                      | 89       | 103      | 130      | 139      | 117      |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                    | (29,683)                                 | (27,370) | (24,992) | (22,831) | (20,818) | (19,102) |
| <b>VICTORIA COUNTY</b>        |                                          |          |          |          |          |          |
| <b>GUADALUPE BASIN</b>        |                                          |          |          |          |          |          |
| VICTORIA                      | (1,626)                                  | (2,203)  | (2,650)  | (3,101)  | (3,527)  | (3,891)  |
| COUNTY-OTHER                  | 230                                      | 187      | 157      | 111      | 56       | 6        |
| MANUFACTURING                 | (2,178)                                  | (5,016)  | (7,841)  | (10,366) | (13,206) | (16,252) |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| STEAM ELECTRIC POWER          | (4,506)                                  | (29,778) | (37,178) | (53,599) | (70,696) | (70,696) |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                    | (1,589)                                  | (1,589)  | (1,589)  | (1,589)  | (1,589)  | (1,589)  |
| <b>LAVACA BASIN</b>           |                                          |          |          |          |          |          |
| COUNTY-OTHER                  | 2                                        | 2        | 2        | 2        | 2        | 2        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| <b>LAVACA-GUADALUPE BASIN</b> |                                          |          |          |          |          |          |
| VICTORIA                      | (787)                                    | (1,066)  | (1,282)  | (1,501)  | (1,706)  | (1,883)  |
| COUNTY-OTHER                  | 191                                      | 161      | 138      | 107      | 68       | 33       |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                    | (3,676)                                  | (3,676)  | (3,676)  | (3,676)  | (3,676)  | (3,676)  |
| <b>SAN ANTONIO BASIN</b>      |                                          |          |          |          |          |          |
| COUNTY-OTHER                  | 1                                        | 1        | 1        | 1        | 0        | 0        |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| <b>WILSON COUNTY</b>          |                                          |          |          |          |          |          |
| <b>GUADALUPE BASIN</b>        |                                          |          |          |          |          |          |
| NIXON                         | 10                                       | 9        | 9        | 12       | 12       | 11       |
| SUNKO WSC                     | 3                                        | 2        | 1        | 0        | 0        | (1)      |
| COUNTY-OTHER                  | 85                                       | 76       | 68       | 61       | 54       | 47       |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| <b>NUECES BASIN</b>           |                                          |          |          |          |          |          |
| MCCOY WSC                     | 29                                       | 25       | 20       | 15       | 9        | 4        |
| COUNTY-OTHER                  | 45                                       | 36       | 26       | 17       | 8        | 0        |
| MINING                        | 0                                        | 0        | 0        | 0        | 0        | 0        |
| LIVESTOCK                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| IRRIGATION                    | 71                                       | 97       | 63       | 72       | 27       | 98       |
| <b>SAN ANTONIO BASIN</b>      |                                          |          |          |          |          |          |
| EAST CENTRAL SUD              | 29                                       | 10       | (12)     | (36)     | (64)     | (91)     |
| EL OSO WSC                    | 7                                        | 9        | 12       | 15       | 18       | 18       |
| ELMENDORF                     | 0                                        | 0        | 0        | 0        | 0        | 0        |
| FLORESVILLE                   | 396                                      | (8)      | (405)    | (770)    | (1,124)  | (1,445)  |

**WUG (NEEDS)/SURPLUS**

| REGION L                 | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) |          |          |          |          |         |
|--------------------------|------------------------------------------|----------|----------|----------|----------|---------|
|                          | 2020                                     | 2030     | 2040     | 2050     | 2060     | 2070    |
| <b>WILSON COUNTY</b>     |                                          |          |          |          |          |         |
| <b>SAN ANTONIO BASIN</b> |                                          |          |          |          |          |         |
| LA VERNIA                | 269                                      | 211      | 155      | 103      | 52       | 7       |
| MCCOY WSC                | 3                                        | 2        | 2        | 1        | 1        | 0       |
| OAK HILLS WSC            | 959                                      | 773      | 588      | 419      | 255      | 106     |
| POTH                     | 916                                      | 841      | 766      | 696      | 627      | 565     |
| S S WSC                  | 1,607                                    | 1,209    | 811      | 446      | 90       | (234)   |
| STOCKDALE                | 1,378                                    | 1,300    | 1,223    | 1,152    | 1,083    | 1,020   |
| SUNKO WSC                | 465                                      | 320      | 162      | 52       | 1        | (114)   |
| COUNTY-OTHER             | 1,304                                    | 1,022    | 740      | 482      | 230      | 2       |
| MANUFACTURING            | 0                                        | 0        | 0        | 0        | 0        | 0       |
| MINING                   | 0                                        | 0        | 0        | 0        | 0        | 0       |
| LIVESTOCK                | 0                                        | 0        | 0        | 0        | 0        | 0       |
| IRRIGATION               | 3,014                                    | 2,824    | 2,537    | 2,165    | 1,708    | 1,113   |
| <b>ZAVALA COUNTY</b>     |                                          |          |          |          |          |         |
| <b>NUECES BASIN</b>      |                                          |          |          |          |          |         |
| CRYSTAL CITY             | 1,821                                    | 1,665    | 1,523    | 1,363    | 1,211    | 1,068   |
| ZAVALA COUNTY WCID #1    | 795                                      | 747      | 705      | 659      | 616      | 575     |
| COUNTY-OTHER             | 328                                      | 282      | 228      | 173      | 122      | 74      |
| MANUFACTURING            | 488                                      | 447      | 408      | 376      | 310      | 240     |
| MINING                   | 0                                        | 0        | 0        | 0        | 0        | 0       |
| LIVESTOCK                | 0                                        | 0        | 0        | 0        | 0        | 0       |
| IRRIGATION               | (18,487)                                 | (16,805) | (14,980) | (13,049) | (11,193) | (9,443) |



**WUG CATEGORY SUMMARY**

| <b>REGION L</b>                        | <b>2020</b> | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
|----------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>MUNICIPAL</b>                       |             |             |             |             |             |             |
| POPULATION                             | 2,788,524   | 3,234,681   | 3,628,444   | 3,999,545   | 4,358,152   | 4,701,382   |
| DEMANDS (acre-feet per year)           | 438,567     | 493,023     | 542,713     | 593,050     | 640,769     | 690,745     |
| EXISTING SUPPLIES (acre-feet per year) | 420,057     | 419,607     | 417,927     | 417,704     | 417,404     | 417,161     |
| NEEDS (acre-feet per year)*            | (77,863)    | (114,869)   | (159,380)   | (204,960)   | (250,122)   | (296,267)   |
| <b>COUNTY-OTHER</b>                    |             |             |             |             |             |             |
| POPULATION                             | 212,941     | 241,867     | 291,092     | 336,582     | 412,033     | 490,646     |
| DEMANDS (acre-feet per year)           | 30,498      | 33,783      | 39,708      | 45,544      | 53,787      | 63,561      |
| EXISTING SUPPLIES (acre-feet per year) | 52,360      | 51,987      | 52,108      | 52,345      | 52,560      | 52,765      |
| NEEDS (acre-feet per year)*            | (1,509)     | (1,706)     | (1,890)     | (3,502)     | (10,907)    | (19,080)    |
| <b>MANUFACTURING</b>                   |             |             |             |             |             |             |
| DEMANDS (acre-feet per year)           | 123,983     | 135,026     | 145,993     | 155,671     | 167,307     | 178,820     |
| EXISTING SUPPLIES (acre-feet per year) | 140,868     | 140,868     | 140,905     | 140,956     | 140,980     | 140,980     |
| NEEDS (acre-feet per year)*            | (6,616)     | (10,213)    | (13,778)    | (19,265)    | (29,210)    | (40,376)    |
| <b>MINING</b>                          |             |             |             |             |             |             |
| DEMANDS (acre-feet per year)           | 48,738      | 49,976      | 48,601      | 44,647      | 40,831      | 41,209      |
| EXISTING SUPPLIES (acre-feet per year) | 37,919      | 39,495      | 39,971      | 39,584      | 38,894      | 40,692      |
| NEEDS (acre-feet per year)*            | (10,822)    | (10,481)    | (8,694)     | (5,147)     | (2,073)     | (666)       |
| <b>STEAM ELECTRIC POWER</b>            |             |             |             |             |             |             |
| DEMANDS (acre-feet per year)           | 59,901      | 89,807      | 101,070     | 122,845     | 146,639     | 152,702     |
| EXISTING SUPPLIES (acre-feet per year) | 105,262     | 105,262     | 105,262     | 105,262     | 105,262     | 105,262     |
| NEEDS (acre-feet per year)*            | (4,506)     | (29,778)    | (37,178)    | (53,599)    | (70,696)    | (70,696)    |
| <b>LIVESTOCK</b>                       |             |             |             |             |             |             |
| DEMANDS (acre-feet per year)           | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      |
| EXISTING SUPPLIES (acre-feet per year) | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      |
| NEEDS (acre-feet per year)*            | 0           | 0           | 0           | 0           | 0           | 0           |
| <b>IRRIGATION</b>                      |             |             |             |             |             |             |
| DEMANDS (acre-feet per year)           | 344,629     | 330,377     | 317,106     | 304,772     | 293,076     | 282,760     |
| EXISTING SUPPLIES (acre-feet per year) | 245,522     | 240,287     | 235,606     | 231,217     | 226,841     | 222,971     |
| NEEDS (acre-feet per year)*            | (105,799)   | (97,325)    | (89,057)    | (81,302)    | (73,968)    | (67,383)    |
| <b>REGION TOTALS</b>                   |             |             |             |             |             |             |
| POPULATION                             | 3,001,465   | 3,476,548   | 3,919,536   | 4,336,127   | 4,770,185   | 5,192,028   |
| DEMANDS (acre-feet per year)           | 1,070,354   | 1,156,030   | 1,219,229   | 1,290,567   | 1,366,447   | 1,433,835   |
| EXISTING SUPPLIES (acre-feet per year) | 1,026,026   | 1,021,544   | 1,015,817   | 1,011,106   | 1,005,979   | 1,003,869   |
| NEEDS (acre-feet per year)*            | (207,115)   | (264,372)   | (309,977)   | (367,775)   | (436,976)   | (494,468)   |

\*WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Category Summary report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>        |               |              |                 |                                                  |             |             |             |             |             |
|------------------------|---------------|--------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>     | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                        |               |              |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| AUSTIN CHALK AQUIFER   | UVALDE        | NUECES       | FRESH           | 1,155                                            | 1,155       | 1,155       | 1,155       | 1,155       | 1,155       |
| BUDA LIMESTONE AQUIFER | UVALDE        | NUECES       | FRESH           | 233                                              | 233         | 233         | 233         | 233         | 233         |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | NUECES       | FRESH           | 19,758                                           | 22,232      | 24,736      | 28,094      | 31,628      | 32,788      |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | SAN ANTONIO  | FRESH           | 5                                                | 5           | 5           | 5           | 5           | 5           |
| CARRIZO-WILCOX AQUIFER | BEXAR         | NUECES       | FRESH           | 8,884                                            | 8,884       | 8,884       | 8,884       | 8,884       | 8,884       |
| CARRIZO-WILCOX AQUIFER | BEXAR         | SAN ANTONIO  | FRESH           | 3,475                                            | 3,475       | 3,475       | 3,475       | 3,304       | 3,304       |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | COLORADO     | FRESH           | 293                                              | 295         | 298         | 300         | 302         | 303         |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | GUADALUPE    | FRESH           | 32,297                                           | 31,912      | 31,935      | 31,383      | 31,407      | 31,417      |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | RIO GRANDE   | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | FRIO          | NUECES       | FRESH           | 3,237                                            | 3,329       | 3,427       | 3,620       | 3,786       | 5,827       |
| CARRIZO-WILCOX AQUIFER | GONZALES      | GUADALUPE    | FRESH           | 14,965                                           | 23,754      | 29,227      | 29,801      | 30,195      | 30,218      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | LAVACA       | FRESH           | 75                                               | 75          | 75          | 75          | 75          | 75          |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | GUADALUPE    | FRESH           | 5,406                                            | 5,786       | 7,457       | 7,890       | 8,293       | 8,174       |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | SAN ANTONIO  | FRESH           | 847                                              | 823         | 801         | 772         | 740         | 700         |
| CARRIZO-WILCOX AQUIFER | KARNES        | GUADALUPE    | FRESH           | 7                                                | 56          | 102         | 144         | 186         | 188         |
| CARRIZO-WILCOX AQUIFER | KARNES        | NUECES       | FRESH           | 0                                                | 5           | 9           | 11          | 13          | 13          |
| CARRIZO-WILCOX AQUIFER | KARNES        | SAN ANTONIO  | FRESH           | 1                                                | 0           | 0           | 0           | 1           | 1           |
| CARRIZO-WILCOX AQUIFER | LA SALLE      | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | MEDINA        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | MEDINA        | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | UVALDE        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | WILSON        | GUADALUPE    | FRESH           | 335                                              | 429         | 523         | 628         | 739         | 757         |
| CARRIZO-WILCOX AQUIFER | WILSON        | NUECES       | FRESH           | 2,216                                            | 2,945       | 3,677       | 4,341       | 5,028       | 5,246       |
| CARRIZO-WILCOX AQUIFER | WILSON        | SAN ANTONIO  | FRESH           | 3,512                                            | 6,301       | 9,127       | 12,186      | 15,434      | 16,593      |
| CARRIZO-WILCOX AQUIFER | ZAVALA        | NUECES       | FRESH           | 0                                                | 1           | 1           | 0           | 1           | 0           |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | BEXAR         | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | CALDWELL      | COLORADO     | SALINE          | 64                                               | 64          | 64          | 64          | 64          | 64          |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                  |               |                    |                 |                                                  |             |             |             |             |             |
|----------------------------------|---------------|--------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>               | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                  |               |                    |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| EDWARDS-BFZ AQUIFER              | CALDWELL      | GUADALUPE          | SALINE          | 134                                              | 134         | 134         | 134         | 134         | 134         |
| EDWARDS-BFZ AQUIFER              | COMAL         | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | COMAL         | SAN ANTONIO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | FRIO          | NUECES             | FRESH           | 23,213                                           | 23,213      | 23,213      | 23,213      | 23,213      | 23,213      |
| EDWARDS-BFZ AQUIFER              | GUADALUPE     | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | FRESH           | 680                                              | 680         | 680         | 680         | 680         | 680         |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | SALINE          | 235                                              | 235         | 235         | 235         | 235         | 235         |
| EDWARDS-BFZ AQUIFER              | MEDINA        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | MEDINA        | SAN ANTONIO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | UVALDE        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | BEXAR         | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | COLORADO           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | SAN ANTONIO        | FRESH           | 160                                              | 160         | 160         | 160         | 160         | 160         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | UVALDE        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL      | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | COLORADO-LAVACA    | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | GUADALUPE          | FRESH           | 15                                               | 15          | 15          | 15          | 15          | 15          |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA             | FRESH           | 2                                                | 2           | 2           | 2           | 2           | 2           |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA-GUADALUPE   | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 4                                                | 4           | 4           | 4           | 4           | 4           |
| GULF COAST AQUIFER               | DEWITT        | GUADALUPE          | FRESH           | 87                                               | 233         | 824         | 1,411       | 1,998       | 2,263       |
| GULF COAST AQUIFER               | DEWITT        | LAVACA             | FRESH           | 698                                              | 705         | 749         | 799         | 912         | 968         |
| GULF COAST AQUIFER               | DEWITT        | LAVACA-GUADALUPE   | FRESH           | 393                                              | 393         | 393         | 393         | 393         | 393         |
| GULF COAST AQUIFER               | DEWITT        | SAN ANTONIO        | FRESH           | 207                                              | 223         | 285         | 348         | 409         | 437         |
| GULF COAST AQUIFER               | GOLIAD        | GUADALUPE          | FRESH           | 38                                               | 38          | 38          | 38          | 38          | 38          |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO        | FRESH           | 3,604                                            | 3,604       | 3,604       | 3,604       | 3,604       | 3,604       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 355                                              | 355         | 355         | 355         | 355         | 355         |
| GULF COAST AQUIFER               | GONZALES      | GUADALUPE          | FRESH           | 1,866                                            | 1,866       | 1,866       | 1,866       | 1,866       | 1,866       |
| GULF COAST AQUIFER               | GONZALES      | LAVACA             | FRESH           | 182                                              | 182         | 182         | 182         | 182         | 182         |
| GULF COAST AQUIFER               | KARNES        | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | KARNES        | NUECES             | FRESH           | 0                                                | 0           | 1           | 5           | 8           | 10          |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO        | FRESH           | 0                                                | 1           | 0           | 0           | 1           | 1           |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0           | 0           | 0           | 23          | 32          |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO        | FRESH           | 1,491                                            | 1,491       | 1,491       | 1,492       | 1,493       | 1,493       |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 24,438                                           | 24,435      | 24,453      | 24,465      | 24,478      | 24,487      |
| GULF COAST AQUIFER               | VICTORIA      | GUADALUPE          | FRESH           | 2                                                | 0           | 10          | 17          | 24          | 29          |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>      |               |                  |                 |                                                  |             |             |             |             |             |
|----------------------|---------------|------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>   | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                      |               |                  |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA           | FRESH           | 207                                              | 207         | 207         | 207         | 207         | 207         |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 1                                                | 0           | 8           | 15          | 22          | 26          |
| GULF COAST AQUIFER   | VICTORIA      | SAN ANTONIO      | FRESH           | 898                                              | 898         | 899         | 900         | 900         | 900         |
| LEONA GRAVEL AQUIFER | MEDINA        | NUECES           | FRESH           | 16,551                                           | 16,396      | 16,266      | 16,134      | 15,967      | 15,785      |
| LEONA GRAVEL AQUIFER | MEDINA        | SAN ANTONIO      | FRESH           | 3,828                                            | 3,777       | 3,683       | 3,639       | 3,584       | 3,523       |
| LEONA GRAVEL AQUIFER | UVALDE        | NUECES           | FRESH           | 256                                              | 262         | 183         | 78          | 0           | 0           |
| QUEEN CITY AQUIFER   | ATASCOSA      | NUECES           | FRESH           | 1,683                                            | 1,650       | 1,542       | 1,437       | 1,339       | 1,339       |
| QUEEN CITY AQUIFER   | CALDWELL      | GUADALUPE        | FRESH           | 71                                               | 71          | 71          | 71          | 71          | 71          |
| QUEEN CITY AQUIFER   | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | DIMMIT        | RIO GRANDE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | FRIO          | NUECES           | FRESH           | 2,174                                            | 2,014       | 1,912       | 1,816       | 1,875       | 2,075       |
| QUEEN CITY AQUIFER   | GONZALES      | GUADALUPE        | FRESH           | 3,847                                            | 3,847       | 3,847       | 3,847       | 3,847       | 3,847       |
| QUEEN CITY AQUIFER   | GONZALES      | LAVACA           | FRESH           | 35                                               | 35          | 35          | 35          | 35          | 35          |
| QUEEN CITY AQUIFER   | GUADALUPE     | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | WILSON        | GUADALUPE        | FRESH           | 107                                              | 94          | 83          | 73          | 65          | 65          |
| QUEEN CITY AQUIFER   | WILSON        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | WILSON        | SAN ANTONIO      | FRESH           | 896                                              | 775         | 668         | 574         | 492         | 492         |
| QUEEN CITY AQUIFER   | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | ATASCOSA      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | FRIO          | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | GONZALES      | GUADALUPE        | FRESH           | 1,940                                            | 1,940       | 1,940       | 1,940       | 1,940       | 1,940       |
| SPARTA AQUIFER       | GONZALES      | LAVACA           | FRESH           | 23                                               | 23          | 23          | 23          | 23          | 23          |
| SPARTA AQUIFER       | KARNES        | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | WILSON        | GUADALUPE        | FRESH           | 16                                               | 14          | 12          | 10          | 9           | 9           |
| SPARTA AQUIFER       | WILSON        | NUECES           | FRESH           | 39                                               | 34          | 29          | 24          | 21          | 21          |
| SPARTA AQUIFER       | WILSON        | SAN ANTONIO      | FRESH           | 154                                              | 137         | 121         | 108         | 97          | 97          |
| SPARTA AQUIFER       | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | BEXAR         | NUECES           | FRESH           | 222                                              | 222         | 222         | 222         | 222         | 222         |
| TRINITY AQUIFER      | BEXAR         | SAN ANTONIO      | FRESH           | 26,679                                           | 25,759      | 24,966      | 24,095      | 23,100      | 21,997      |
| TRINITY AQUIFER      | CALDWELL      | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | COMAL         | GUADALUPE        | FRESH           | 24,729                                           | 23,389      | 22,099      | 20,973      | 19,562      | 17,982      |
| TRINITY AQUIFER      | COMAL         | SAN ANTONIO      | FRESH           | 3,211                                            | 3,155       | 3,101       | 3,054       | 2,996       | 2,930       |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)****REGION L**

| GROUNDWATER                                   | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) |                |                |                |                |                |
|-----------------------------------------------|-----------|-------------|----------|-------------------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                               |           |             |          | 2020                                      | 2030           | 2040           | 2050           | 2060           | 2070           |
| TRINITY AQUIFER                               | GUADALUPE | GUADALUPE   | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | GUADALUPE | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | HAYS      | GUADALUPE   | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | KENDALL   | COLORADO    | FRESH    | 86                                        | 86             | 86             | 86             | 86             | 86             |
| TRINITY AQUIFER                               | KENDALL   | GUADALUPE   | FRESH    | 3,715                                     | 3,715          | 3,715          | 3,715          | 3,715          | 3,715          |
| TRINITY AQUIFER                               | KENDALL   | SAN ANTONIO | FRESH    | 2,440                                     | 2,440          | 2,440          | 2,440          | 2,440          | 2,440          |
| TRINITY AQUIFER                               | MEDINA    | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | MEDINA    | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | UVALDE    | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | ATASCOSA  | NUECES      | FRESH    | 407                                       | 407            | 407            | 407            | 407            | 407            |
| YEGUA-JACKSON AQUIFER                         | FRIO      | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | GONZALES  | GUADALUPE   | FRESH    | 211                                       | 211            | 211            | 211            | 211            | 211            |
| YEGUA-JACKSON AQUIFER                         | GONZALES  | LAVACA      | FRESH    | 3                                         | 3              | 3              | 3              | 3              | 3              |
| YEGUA-JACKSON AQUIFER                         | KARNES    | GUADALUPE   | FRESH    | 65                                        | 65             | 65             | 65             | 65             | 65             |
| YEGUA-JACKSON AQUIFER                         | KARNES    | NUECES      | FRESH    | 12                                        | 12             | 12             | 12             | 12             | 12             |
| YEGUA-JACKSON AQUIFER                         | KARNES    | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 396            | 410            |
| YEGUA-JACKSON AQUIFER                         | LA SALLE  | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | WILSON    | GUADALUPE   | FRESH    | 43                                        | 43             | 43             | 43             | 43             | 43             |
| YEGUA-JACKSON AQUIFER                         | WILSON    | NUECES      | FRESH    | 143                                       | 143            | 143            | 143            | 143            | 143            |
| YEGUA-JACKSON AQUIFER                         | WILSON    | SAN ANTONIO | FRESH    | 380                                       | 380            | 380            | 380            | 380            | 380            |
| <b>GROUNDWATER TOTAL SOURCE WATER BALANCE</b> |           |             |          | <b>249,641</b>                            | <b>261,932</b> | <b>273,327</b> | <b>279,259</b> | <b>285,975</b> | <b>288,047</b> |

**REGION L**

| REUSE                                   | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) |          |          |          |          |          |
|-----------------------------------------|-----------|-------------|----------|-------------------------------------------|----------|----------|----------|----------|----------|
|                                         |           |             |          | 2020                                      | 2030     | 2040     | 2050     | 2060     | 2070     |
| DIRECT REUSE                            | BEXAR     | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | COMAL     | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | GUADALUPE | GUADALUPE   | FRESH    | 1                                         | 1        | 1        | 1        | 1        | 1        |
| DIRECT REUSE                            | HAYS      | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KARNES    | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KENDALL   | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KENDALL   | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| <b>REUSE TOTAL SOURCE WATER BALANCE</b> |           |             |          | <b>1</b>                                  | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> |

**REGION L**

| SURFACE WATER         | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) |      |      |      |      |      |
|-----------------------|-----------|-------------|----------|-------------------------------------------|------|------|------|------|------|
|                       |           |             |          | 2020                                      | 2030 | 2040 | 2050 | 2060 | 2070 |
| BOERNE LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH    | 0                                         | 0    | 0    | 0    | 0    | 0    |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                        |               |                 |                 |                                                  |             |             |             |             |             |
|----------------------------------------|---------------|-----------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                   | <b>COUNTY</b> | <b>BASIN</b>    | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                        |               |                 |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| CALAVERAS LAKE/RESERVOIR               | RESERVOIR     | SAN ANTONIO     | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CANYON LAKE/RESERVOIR                  | RESERVOIR     | GUADALUPE       | FRESH           | 9,170                                            | 9,051       | 10,987      | 10,974      | 10,968      | 10,964      |
| COLETO CREEK LAKE/RESERVOIR            | RESERVOIR     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO LIVESTOCK LOCAL SUPPLY        | CALDWELL      | COLORADO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO LIVESTOCK LOCAL SUPPLY        | KENDALL       | COLORADO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN       | COLORADO-LAVACA | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | CALDWELL      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | COMAL         | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | DEWITT        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GOLIAD        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GONZALES      | GUADALUPE       | FRESH           | 2,315                                            | 2,315       | 2,315       | 2,315       | 2,315       | 2,315       |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GUADALUPE     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | HAYS          | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KARNES        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KENDALL       | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | VICTORIA      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | WILSON        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | CALDWELL      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | CALHOUN       | GUADALUPE       | FRESH           | 143                                              | 143         | 143         | 143         | 143         | 143         |
| GUADALUPE RUN-OF-RIVER                 | COMAL         | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | GONZALES      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | GUADALUPE     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | HAYS          | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | KENDALL       | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | VICTORIA      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA LIVESTOCK LOCAL SUPPLY          | DEWITT        | LAVACA          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA LIVESTOCK LOCAL SUPPLY          | GONZALES      | LAVACA          | FRESH           | 53                                               | 53          | 53          | 53          | 53          | 53          |
| LAVACA LIVESTOCK LOCAL SUPPLY          | VICTORIA      | LAVACA          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                         |               |                  |                 |                                                  |             |             |             |             |             |
|-----------------------------------------|---------------|------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                    | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                         |               |                  |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN       | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT        | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | ATASCOSA      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | BEXAR         | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | FRIO          | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | MEDINA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | UVALDE        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | WILSON        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | UVALDE        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY       | DIMMIT        | RIO GRANDE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | BEXAR         | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | COMAL         | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | DEWITT        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KENDALL       | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | MEDINA        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | VICTORIA      | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                                 |               |                    |                 |                                                  |                |                |                |                |                |
|-------------------------------------------------|---------------|--------------------|-----------------|--------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>SURFACE WATER</b>                            | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                                 |               |                    |                 | <b>2020</b>                                      | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | WILSON        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | BEXAR         | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | GOLIAD        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | KARNES        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | WILSON        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | KARNES        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| VICTOR BRAUNIG LAKE/RESERVOIR                   | RESERVOIR     | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| <b>SURFACE WATER TOTAL SOURCE WATER BALANCE</b> |               |                    |                 | <b>11,681</b>                                    | <b>11,562</b>  | <b>13,498</b>  | <b>13,485</b>  | <b>13,479</b>  | <b>13,475</b>  |
|                                                 |               |                    |                 |                                                  |                |                |                |                |                |
| <b>REGION L TOTAL SOURCE WATER BALANCE</b>      |               |                    |                 | <b>261,323</b>                                   | <b>273,495</b> | <b>286,826</b> | <b>292,745</b> | <b>299,455</b> | <b>301,523</b> |





# Appendix B

## Summary of References

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**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin     | County of Diversion Location(s) | Use | WR ID#   | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                   |
|-----------|---------------------------------|-----|----------|--------------------------------|------------------------|------------------------------|--------------------------------|--------------------------|
| Guadalupe | Caldwell                        | HYD | P4492 1  | 15,000                         | 70.5                   | 0                            | HYDRACO POWER INC              | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P4569 2  | 240                            | 72.4                   | 0                            | ROBERT L BOOTHE                | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | C3898 1  | 20                             | 87.5                   | 0                            | CITY OF LULING                 | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P3600 3  | 750                            | 78.0                   | 0                            | THE LULING FOUNDATION          | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P4080 1  | 425                            | 76.7                   | 0                            | BENO CORPORATION               | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P4502 1  | 600                            | 72.7                   | 0                            | JOHN SCOTT GREENE ET AL        | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | C3899 1  | 1,180                          | 86.7                   | 0                            | MIGUEL CALZADA URQUIZA ET UX   | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | C3890 1  | 50                             | 87.5                   | 0                            | GEORGE PARTNERSHIP LTD         | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P4022 1  | 450                            | 78.5                   | 0                            | MARY ANN LANGFORD ET AL        | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | P4043 1  | 150                            | 78.7                   | 0                            | TERRAND LTD ET AL              | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | C3904 1  | 28                             | 79.7                   | 0                            | SHERRY CHAPPELL                | ELM CRK                  |
| Guadalupe | Caldwell                        | IRR | P4518 1  | 120                            | 79.9                   | 0                            | JOHN H COX                     | PLUM CRK                 |
| Guadalupe | Caldwell                        | IRR | P4033 1  | 300                            | 78.5                   | 0                            | DICK BROWN                     | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | IRR | C3886 1  | 150                            | 79.8                   | 0                            | HAYS COUNTY REC ASSOC INC      | BLANCO RIVER             |
| Guadalupe | Caldwell                        | IRR | C3906 1  | 63                             | 87.6                   | 0                            | TEXAS PARKS & WILDLIFE DEPT    | CLEAR FRK PLUM CRK       |
| Guadalupe | Caldwell                        | IRR | C3906 2  | 12                             | 89.9                   | 0                            | TEXAS PARKS & WILDLIFE DEPT    | CLEAR FRK PLUM CRK       |
| Guadalupe | Caldwell                        | IRR | P5857 1  | 1                              | 85.5                   | 0                            | GENE MILLIGAN                  |                          |
| Guadalupe | Caldwell                        | MUN | P5092 2  | 150                            | 71.9                   | 0                            | WILLIAM JAMES WOOTEN ET AL     | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | C3888 1  | 320                            | 92.5                   | 0                            | JOHN F BAUGH                   | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | C3889 1  | 24                             | 100.0                  | 24                           | CANYON REGIONAL                | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | C3891 3  | 500                            | 100.0                  | 500                          | TRI-COMMUNITY WSC              | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | C3896 1  | 1,500                          | 86.0                   | 0                            | GUADALUPE-BLANCO RIVER AUTH    | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | C3896 2  | 1,300                          | 79.7                   | 0                            | GUADALUPE-BLANCO RIVER AUTH    | SAN MARCOS RIVER         |
| Guadalupe | Caldwell                        | MUN | P5234 2  | 1,022                          | 71.9                   | 0                            |                                |                          |
| Guadalupe | Caldwell                        | MUN | C3887 2  | 772                            | 100.0                  | 772                          | MAXWELL                        | SAN MARCOS RIVER         |
| Guadalupe | Calhoun                         | IND | C5178 1  | 75,000                         | 98.3                   | 0                            | GBRA - Exelon                  | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5178 2  | 20,000                         | 100.0                  | 20,000                       | GBRA - DOW/UCC                 | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5174 3  | 1,870                          | 100.0                  | 1,870                        | GBRA - Future Industrial       | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5175 2  | 940                            | 100.0                  | 940                          | GBRA - Future Industrial       | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5176 1  | 9,944                          | 100.0                  | 9,944                        | GBRA - Future Industrial       | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 1  | 10,000                         | 100.0                  | 10,000                       | GBRA - DOW/UCC                 | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 2  | 2,000                          | 100.0                  | 2,000                        | GBRA - DOW/UCC                 | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 3  | 8,000                          | 100.0                  | 8,000                        | GBRA - DOW/UCC                 | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 4  | 1,400                          | 100.0                  | 1,400                        | GBRA - Ineous                  | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 5  | 400                            | 100.0                  | 400                          | GBRA - Seadrift Coke           | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 7  | 10,871                         | 100.0                  | 10,871                       | GBRA - CCR, Victoria, UB       | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5177 8  | 8,632                          | 100.0                  | 8,632                        | GBRA - Future Industrial       | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5173 1  | 1,900                          | 100.0                  | 1,900                        | GBRA - Ineous                  | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | C5173 2  | 600                            | 100.0                  | 600                          | GBRA - Seadrift Coke           | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IND | P4586 1  | 272                            | 82.1                   | 0                            | DEL & GLORIA WILLIAMS, Crawfis | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IRR | C5178 3  | 11,000                         | 99.0                   | 0                            | GBRA - Irrigation              | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | IRR | C3863 1  | 200                            | 100.0                  | 200                          | JAN KNEBEL WHEELIS             | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | MUN | C5177 6a | 4,480                          | 100.0                  | 4,480                        | GBRA - Port Lavaca             | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | MUN | C5177 6b | 1,500                          | 100.0                  | 1,500                        | GBRA - CCRWSC                  | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | MUN | C5177 6c | 1,120                          | 100.0                  | 1,120                        | GBRA - POCMUD                  | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | MUN | C5177 6d | 2,844                          | 100.0                  | 2,844                        | GBRA - Future MUN              | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | MUN | C3863 2  | 3,000                          | 100.0                  | 3,000                        | JESS YELL WOMACK II ET AL      | GUADALUPE RIVER          |
| Guadalupe | Calhoun                         | OTH | P5381 1  | 150                            | 82.6                   | 0                            | BRETT BRATCHER                 | GUADALUPE RIVER          |
| Guadalupe | Comal                           | HYD | C3824 1  | 124,870                        | 89.0                   | 18,159                       | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | IND | C3829 1  | 5,000                          | 100.0                  | 5,000                        | MISSION VALLEY TEXTILES, INC   | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3824 4  | 200                            | 100.0                  | 200                          | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | IRR | C2072 1  | 35                             | 98.5                   | 0                            | ELOY GARCIA JR ET UX           | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C1954 1  | 15                             | 45.7                   | 0                            | LAWRENCE D KRAUSE              | JENTSCH CRK              |
| Guadalupe | Comal                           | IRR | C1954 2  | 5                              | 64.3                   | 0                            | LAWRENCE D KRAUSE              | JENTSCH CRK              |
| Guadalupe | Comal                           | IRR | C3819 1  | 14                             | 99.1                   | 0                            | PATRICK S MOLAK                | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C1955 1  | 10                             | 44.4                   | 0                            | CHESTER & RICKIE KRAUSE        | UNNAMED TRIB JENTSCH CRK |
| Guadalupe | Comal                           | IRR | C3826 2  | 100                            | 28.4                   | 0                            | CITY OF NEW BRAUNFELS          | COMAL RIVER              |
| Guadalupe | Comal                           | IRR | P4607 1  | 50                             | 89.3                   | 0                            | PURALLOY INC                   | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C2068 1  | 72                             | 84.1                   | 0                            | KWW Ranches LTD                | Iter Creek               |
| Guadalupe | Comal                           | IRR | C2070 1  | 98                             | 17.6                   | 0                            | FRANK A STANUSH                | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C2070 2  | 22                             | 17.6                   | 0                            | FRANK A STANUSH                | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3817 1  | 79                             | 89.8                   | 0                            | CLARENCE B ANDERSON ET AL      | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C2071 1  | 1                              | 99.1                   | 0                            | GUADALUPE RIVER RANCH & CATTLE | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3820 1  | 4                              | 99.2                   | 0                            | VETERANS OF FOREIGN WARS       | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3821 1  | 4                              | 99.2                   | 0                            | ROBERT & MARY RAE PRESTON      | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3821 2  | 1                              | 100.0                  | 1                            | ROBERT & MARY RAE PRESTON      | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3822 1  | 3                              | 99.9                   | 3                            | ROBERT KRUEGER ET AL           | GUADALUPE RIVER          |
| Guadalupe | Comal                           | IRR | C3828 1  | 1                              | 100.0                  | 1                            | CAMP WARNECKE INC              | COMAL RIVER              |
| Guadalupe | Comal                           | IRR | C3828 2  | 2                              | 100.0                  | 2                            | LIBERTY PARTNERSHIP LTD        | COMAL RIVER              |
| Guadalupe | Comal                           | MUN | C2074 1  | 10,000                         | 98.5                   | 0                            | GUADALUPE-BLANCO RIVER AUTH    | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | C2074 2  | 40,000                         | 98.0                   | 0                            | GUADALUPE-BLANCO RIVER AUTH    | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | C3830 2  | 5                              | 72.4                   | 0                            | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | MUN | C3824 5  | 2,240                          | 99.9                   | 1,295                        | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | MUN | C3824 6  | 3,418                          | 73.5                   | 0                            | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | MUN | C3819 2  | 9                              | 99.4                   | 0                            | PATRICK S MOLAK                | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | C3815 1  | 3                              | 25.9                   | 0                            | J D MURRELL                    | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | P4106 1  | 25                             | 92.2                   | 0                            | TEXAS PARKS & WILDLIFE DEPT    | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | C2074 7  | 40,000                         | 98.2                   | 0                            | GUADALUPE-BLANCO RIVER AUTH    | GUADALUPE RIVER          |
| Guadalupe | Comal                           | MUN | P4491 1  | 120                            | 87.3                   | 0                            | COMAL CO FRESH WSD #1          | REBECCA CRK              |
| Guadalupe | Comal                           | MUN | C3823 2  | 1,289                          | 72.4                   | 0                            | NEW BRAUNFELS UTILITIES        | COMAL RIVER              |
| Guadalupe | Comal                           | REC | P4114 1  | 3,711                          | 21.1                   | 0                            | BAD SCHOLESS INC               | COMAL RIVER              |
| Guadalupe | Comal                           | REC | P4114 2  | 1,289                          | 21.8                   | 0                            | BAD SCHOLESS INC               | COMAL RIVER              |
| Guadalupe | Comal                           | REC | C3816 1  | 1,460                          | 24.4                   | 0                            | WHITEWATER SPORTS INC          | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | HYD | C3853 1  | 538,560                        | 54.9                   | 0                            | CUERO HYDROELECTRIC, INC.      | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | IRR | C3856 1  | 50                             | 81.8                   | 0                            | PATRICK B & MARY KARYN ELDER   | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | IRR | P4318 1  | 80                             | 80.9                   | 0                            | F T BUCHEL                     | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | IRR | P5006 2  | 299                            | 84.5                   | 0                            | LORITA MAE FITZGERALD          | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | IRR | C3850 1  | 80                             | 98.8                   | 0                            | JOSEPHINE B MUSSELMAN ET AL    | GUADALUPE RIVER          |

**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin     | County of Diversion Location(s) | Use | WR ID#   | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                   |
|-----------|---------------------------------|-----|----------|--------------------------------|------------------------|------------------------------|--------------------------------|--------------------------|
| Guadalupe | De Witt                         | IRR | C3855 1  | 26                             | 98.8                   | 0                            | MRS JOHN C LEY                 | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | REC | P5294 1  | 15                             | 73.2                   | 0                            | CITY OF YORKTOWN               | YORKTOWN CRK             |
| Guadalupe | De Witt                         | WRP | C3852 1  | 35                             | 98.4                   | 0                            | JOHN BRADEN JR ET AL           | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | WRP | C3854 1  | 32                             | 97.2                   | 0                            | J D BRAMLETTE JR               | GUADALUPE RIVER          |
| Guadalupe | De Witt                         | WRP | C3851 1  | 182                            | 97.4                   | 0                            | JACK H BOOTHE                  | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | HYD | C3846 1  | 796,363                        | 49.7                   | 0                            | CITY OF GONZALES               | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | HYD | C5172 1  | 585,599                        | 53.1                   | 0                            | GUADALUPE-BLANCO R A H-4       | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | HYD | C5172 2  | 574,832                        | 53.7                   | 0                            | GUADALUPE-BLANCO R A H-5       | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | IRR | P5037 1  | 230                            | 79.9                   | 0                            | RICHARD D BRAMLET              | SAN MARCOS RIVER         |
| Guadalupe | Gonzales                        | IRR | P4089 1  | 830                            | 80.3                   | 0                            | DR I V EPSTEIN                 | SAN MARCOS RIVER         |
| Guadalupe | Gonzales                        | IRR | C3908 1  | 670                            | 86.5                   | 0                            | LARRY E & PHYLIS A BROWNE      | SAN MARCOS RIVER         |
| Guadalupe | Gonzales                        | IRR | P5038 1  | 66                             | 79.9                   | 0                            | ARTHUR DENNIS HUEBNER ET AL    | SAN MARCOS RIVER         |
| Guadalupe | Gonzales                        | IRR | P4075 1  | 225                            | 69.0                   | 0                            | DAVID S SHELTON                | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | IRR | P4539 1  | 8                              | 86.4                   | 0                            | T PAUL SIDES                   | UNNAMED TRIB COTTLE CRK  |
| Guadalupe | Gonzales                        | IRR | C3847 1  | 250                            | 98.8                   | 0                            | DR JAMES W NIXON JR            | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | IRR | C3848 1  | 1,800                          | 100.0                  | 1,800                        | KING RANCH INC                 | GUADALUPE RIVER          |
| Guadalupe | Gonzales                        | IRR | P3916 1  | 50                             | 81.8                   | 0                            | DON A LIGHTSEY ET UX           | SAN MARCOS RIVER         |
| Guadalupe | Gonzales                        | MUN | C3846 2  | 2,240                          | 100.0                  | 2,240                        | CITY OF GONZALES               | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | HYD | C5488 1  | 663,892                        | 47.0                   | 0                            | GUADALUPE-BLANCO R A TP-1      | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | HYD | C5488 2  | 659,995                        | 47.2                   | 0                            | GUADALUPE-BLANCO R A TP-3      | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | HYD | C5488 3  | 655,323                        | 47.3                   | 0                            | GUADALUPE-BLANCO R A TP-4      | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | HYD | C5488 4  | 624,781                        | 49.2                   | 0                            | GUADALUPE-BLANCO R A TP-5      | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | HYD | CANSUBBU | 26,847                         | 0.0                    | 0                            | GUADALUPE-BLANCO R A TP-1      | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IND | C3836 1  | 25                             | 100.0                  | 25                           | ACME BRICK COMPANY             | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IND | C3837 1  | 34                             | 100.0                  | 34                           | STRUCTURAL METALS INC          | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IND | P5240 1  | 31                             | 73.6                   | 0                            | H B SHANKLIN                   | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | P5604 1  | 8                              | 69.6                   | 0                            | ALBERT GREEN, ET UX            | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | C3839 3  | 200                            | 100.0                  | 200                          | SEGUIN MUNICIPAL UTILITIES     | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3835 1  | 19                             | 79.7                   | 0                            | OTTO VOIGT                     | YOUNGS CRK               |
| Guadalupe | Guadalupe                       | IRR | P4597 1  | 320                            | 72.3                   | 0                            | JOHN T O'BANION JR ET AL       | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | C3841 1  | 5                              | 65.7                   | 0                            | LEO P CLOUD JR ET AL           | GERONIMO CRK             |
| Guadalupe | Guadalupe                       | IRR | P4110 1  | 240                            | 78.0                   | 0                            | LYNN STORM                     | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | P3857 1  | 144                            | 81.8                   | 0                            | ROBERT M KIEHN                 | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | P4373 1  | 300                            | 72.6                   | 0                            | CONTINENTAL WHOLESALE FLORISTS | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | P4373 2  | 300                            | 72.3                   | 0                            | CONTINENTAL WHOLESALE FLORISTS | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | IRR | P3973 1  | 73                             | 30.5                   | 0                            | DONALD J JOHNSON ET UX         | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3842 1  | 158                            | 100.0                  | 158                          | SARA DARILEK RAINWATER         | GERONIMO CRK             |
| Guadalupe | Guadalupe                       | IRR | C3832 1  | 44                             | 100.0                  | 44                           | RAY E DITTMAR                  | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3900 2  | 500                            | 86.4                   | 0                            | JAMES D JAMISON                | UNNAMED TRIB             |
| Guadalupe | Guadalupe                       | IRR | C3843 1  | 27                             | 100.0                  | 27                           | LEONARD FLEMING                | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3838 1  | 37                             | 41.8                   | 0                            | DONALD E NORED                 | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3844 1  | 608                            | 100.0                  | 608                          | KENNETH E CASTLE               | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3834 1  | 71                             | 100.0                  | 71                           | CANYON REGIONAL WATER AUTH     | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | IRR | C3840 1  | 34                             | 87.6                   | 0                            | ARNO NEUMANN                   | GERONIMO CRK             |
| Guadalupe | Guadalupe                       | MUN | C3895 2  | 580                            | 83.8                   | 0                            | STATE BANK & TRUST COMPANY     | SAN MARCOS RIVER         |
| Guadalupe | Guadalupe                       | MUN | C3839 1  | 7,000                          | 100.0                  | 7,000                        | SEGUIN MUNICIPAL UTILITIES     | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | MUN | C3833 1  | 56                             | 100.0                  | 56                           | GARY A DITTMAR                 | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | MUN | C3833 2  | 5                              | 100.0                  | 5                            | GARY A DITTMAR                 | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | MUN | C3834 2  | 19                             | 100.0                  | 19                           | CANYON REGIONAL WATER AUTH     | GUADALUPE RIVER          |
| Guadalupe | Guadalupe                       | REC | P5121 1  | 83                             | 65.8                   | 0                            | GUADALUPE SKI-PLEX HOME ASSOC  | YORK CRK                 |
| Guadalupe | Hays                            | HYD | C3865 1  | 64,370                         | 98.2                   | 37,910                       | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IND | C3869 1  | 10,000                         | 100.0                  | 10,000                       | TEXAS PARKS & WILDLIFE DEPT    | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IND | C3865 3  | 534                            | 89.8                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IND | C3866 1  | 60                             | 79.8                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | P5545 1  | 8                              | 72.5                   | 0                            | FRANK T & PAMELA H ARNOSKY     | UNNAMED TRIB             |
| Guadalupe | Hays                            | IRR | C3884 1  | 20                             | 80.4                   | 0                            | BRUCE COLLIE ET AL             | BLANCO RIVER             |
| Guadalupe | Hays                            | IRR | C3884 2  | 90                             | 83.1                   | 0                            | BRUCE COLLIE ET AL             | BLANCO RIVER             |
| Guadalupe | Hays                            | IRR | P5426 1  | 165                            | 73.5                   | 0                            | JOHN G CURRIE                  | LTL BLANCO RIVER         |
| Guadalupe | Hays                            | IRR | C3881 1  | 40                             | 100.0                  | 40                           | LYON L BRINSMADE               | BLANCO RIVER             |
| Guadalupe | Hays                            | IRR | P5371 1  | 5                              | 66.2                   | 0                            | ROBERT BOURKE SIMPSON          | UNNAMED TRIB CYPRESS CRK |
| Guadalupe | Hays                            | IRR | C3882 1  | 100                            | 94.1                   | 0                            | NEWTON B THOMPSON              | PIN OAK CRK              |
| Guadalupe | Hays                            | IRR | C3868 2  | 70                             | 100.0                  | 70                           | J R THORNTON, ET AL            | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | P4027 1  | 9                              | 63.7                   | 0                            | JESS WEBB ET UX                | BLANCO RIVER             |
| Guadalupe | Hays                            | IRR | P4027 2  | 82                             | 63.7                   | 0                            | THOMAS L HUSBANDS ET UX        | BLANCO RIVER             |
| Guadalupe | Hays                            | IRR | C3901 1  | 100                            | 32.6                   | 0                            | M D HEATLY SR                  | PECAN SPRINGS            |
| Guadalupe | Hays                            | IRR | C3865 5  | 100                            | 89.0                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | C3866 2  | 20                             | 88.1                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | C3887 1  | 15                             | 100.0                  | 15                           | GREEN VALLEY FARMS INC         | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | C3902 1  | 30                             | 82.7                   | 0                            | FRITZ OTTO ANTON               | BUNTON BR                |
| Guadalupe | Hays                            | IRR | C3866 3  | 20                             | 60.5                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | IRR | C3887 3  | 5                              | 100.0                  | 5                            | GREEN VALLEY FARMS INC         | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | MUN | C3865 4  | 513                            | 89.4                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Hays                            | OTH | C3865 2  | 700                            | 90.4                   | 0                            | SOUTHWEST TEXAS STATE UNIV     | SAN MARCOS RIVER         |
| Guadalupe | Kendall                         | IND | C2060 2  | 80                             | 67.7                   | 0                            | TEXAS BEVERAGE PACKERS INC     | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2059 1  | 39                             | 17.6                   | 0                            | ROBERT C REINARZ ET AL         | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2044 1  | 16                             | 100.0                  | 16                           | LION'S LAIR LLC                | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | P5534 1  | 20                             | 72.1                   | 0                            | MARGOT O BURRELL               | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2061 1  | 16                             | 17.6                   | 0                            | LOUIS SCOTT FELDER ET UX       | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2044 2  | 2                              | 100.0                  | 2                            | PATRICIA GALT STEVES           | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2061 2  | 18                             | 17.6                   | 0                            | MARJORIE RANZAU INGENHUETT     | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2061 3  | 37                             | 17.6                   | 0                            | MURRAY A WINN JR               | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2049 1  | 5                              | 17.6                   | 0                            | KENNETH M & CYNTHIA RUSCH      | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2034 1  | 2                              | 96.8                   | 0                            | CHESTER P HEINEN ET AL         | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2066 1  | 5                              | 17.8                   | 0                            | ROY C SMITH ESTATE             | SABINAS CRK              |
| Guadalupe | Kendall                         | IRR | P5528 1  | 49                             | 72.1                   | 0                            | GEORGE A SCHMIDT ET UX         | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | P5528 2  | 49                             | 72.1                   | 0                            | GEORGE A SCHMIDT ET UX         | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2045 1  | 8                              | 100.0                  | 8                            | MARSHALL STEVES                | GUADALUPE RIVER          |
| Guadalupe | Kendall                         | IRR | C2062 1  | 60                             | 41.5                   | 0                            | WILLIAM L PULS                 | WASP CRK                 |



**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin       | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                       |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|------------------------------|
| Guadalupe   | Kendall                         | IRR | C2051_1 | 2                              | 86.4                   | 0                            | JOE B. KERCHVILLE              | JOSHUA CRK                   |
| Guadalupe   | Kendall                         | IRR | C2051_2 | 260                            | 83.5                   | 0                            | JOE B. KERCHVILLE              | JOSHUA CRK                   |
| Guadalupe   | Kendall                         | IRR | P5321_1 | 150                            | 78.5                   | 0                            | LARRY J LANGBEIN               | E SISTER CRK                 |
| Guadalupe   | Kendall                         | IRR | C2035_1 | 2                              | 17.6                   | 0                            | HARRY C MECKEL                 | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2067_1 | 20                             | 17.8                   | 0                            | TY RAMPY ET AL                 | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2041_1 | 25                             | 87.2                   | 0                            | THOMAS L BRUNDAGE ET AL        | CYPRESS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2056_1 | 20                             | 52.0                   | 0                            | MARK E. WATSON, JR., ET UX     | WILLIE CRK                   |
| Guadalupe   | Kendall                         | IRR | C2067_2 | 20                             | 46.1                   | 0                            | TY RAMPY ET AL                 | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2041_2 | 109                            | 86.3                   | 0                            | THOMAS L BRUNDAGE ET AL        | CYPRESS CRK                  |
| Guadalupe   | Kendall                         | IRR | P5490_1 | 10                             | 72.1                   | 0                            | BILLY J. & KARAN R. BOLES      | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2046_1 | 28                             | 17.8                   | 0                            | WILLIAM G & MILDRED D SPROWLS  | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | P5474_1 | 10                             | 72.1                   | 0                            | ELTON RUST                     | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2063_1 | 44                             | 89.7                   | 0                            | FROST-LANCASTER PROPERTIES     | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2052_1 | 232                            | 89.7                   | 0                            | ZARCO FOWARDING, INC           | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2063_2 | 15                             | 89.7                   | 0                            | RONALD L BAETZ ET AL           | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C3870_1 | 3                              | 99.0                   | 0                            | PATRICIA RYAN                  | BLANCO RIVER                 |
| Guadalupe   | Kendall                         | IRR | C3870_2 | 22                             | 98.8                   | 0                            | T R IMMEL ET UX                | BLANCO RIVER                 |
| Guadalupe   | Kendall                         | IRR | C2036_1 | 125                            | 42.9                   | 0                            | WILLIAM K ANDERSON ET UX       | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2057_1 | 25                             | 52.5                   | 0                            | MARK E. WATSON, JR., ET UX     | ASKEY CRK                    |
| Guadalupe   | Kendall                         | IRR | P4590_1 | 50                             | 17.0                   | 0                            | GEORGE M WILLIAMS SR ET AL     | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | P5107_1 | 518                            | 84.3                   | 0                            | WILLIAM K ANDERSON ET UX       | UNNAMED TRIB GUADALUPE RIVER |
| Guadalupe   | Kendall                         | IRR | C2047_1 | 20                             | 89.7                   | 0                            | H C SEIDENSTICKER              | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2064_1 | 4                              | 97.9                   | 0                            | EARL S DODERER ET UX           | SABINAS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2064_2 | 8                              | 96.3                   | 0                            | SYBIL R JONES CO-TRUSTEE ET AL | SABINAS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2053_1 | 32                             | 17.6                   | 0                            | ERNO SPENRATH                  | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2069_1 | 30                             | 95.4                   | 0                            | DOUBLE U-SPRING BRANCH         | SIMMONS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2058_1 | 40                             | 17.6                   | 0                            | OTTO KASTEN                    | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2043_1 | 17                             | 17.1                   | 0                            | EDGAR SEIDENSTICKER ET UX      | CYPRESS CRK                  |
| Guadalupe   | Kendall                         | IRR | P5501_1 | 5                              | 16.8                   | 0                            | BARRY T & KATHRYN B NALL       | FLAT ROCK CRK                |
| Guadalupe   | Kendall                         | IRR | C2060_1 | 10                             | 17.6                   | 0                            | TEXAS BEVERAGE PACKERS INC     | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2043_2 | 4                              | 17.2                   | 0                            | L J MANNERING ET UX            | CYPRESS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2043_3 | 20                             | 17.1                   | 0                            | MARY LEE EDWARDS               | CYPRESS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2048_1 | 100                            | 19.9                   | 0                            | RAYMOND JAMES ROSE             | BLOCK CRK                    |
| Guadalupe   | Kendall                         | IRR | C2065_1 | 10                             | 17.5                   | 0                            | G PHIL BERRYMAN ET UX          | SABINAS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2065_2 | 10                             | 17.5                   | 0                            | GUY BODINE III ET UX           | SABINAS CRK                  |
| Guadalupe   | Kendall                         | IRR | C2054_1 | 80                             | 17.6                   | 0                            | EDMUND BEHR ESTATE             | GUADALUPE RIVER              |
| Guadalupe   | Kendall                         | IRR | C2050_2 | 136                            | 72.0                   | 0                            | ERWIN KLEMSTEIN                | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IND | C3859_1 | 1,900                          | 90.3                   | 0                            | SOUTH TEXAS ELECTRIC COOP INC  | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IND | P5376_1 | 2                              | 100.0                  | 2                            | HELDENFELS BROTHERS INC        | SPRING CRK                   |
| Guadalupe   | Victoria                        | IND | C5486_1 | 24,160                         | 100.0                  | 24,160                       | CENTRAL POWER & LIGHT CO       | COLETO CREEK                 |
| Guadalupe   | Victoria                        | IND | P3895_1 | 9,676                          | 94.3                   | 0                            | KATE S O'CONNOR TRUST          | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IND | C5485_1 | 209,189                        | 94.1                   | 0                            | CENTRAL POWER & LIGHT CO       | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IND | C3861_1 | 55,000                         | 99.8                   | 28,874                       | INVISTA                        | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IND | C3861_2 | 5,000                          | 99.3                   | 0                            | E I DU PONT DE NEMOURS         | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | P4441_1 | 200                            | 84.4                   | 0                            | S F RUSCHHAUPT III             | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | C3858_1 | 1,000                          | 98.8                   | 0                            | FIRST VICTORIA NATL BANK, TRST | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | P4182_1 | 200                            | 84.4                   | 0                            | MAXINE ROBSON KYLE ET AL       | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | P4062_1 | 90                             | 84.6                   | 0                            | RONALD A KURTZ ET UX           | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | P4020_1 | 100                            | 84.6                   | 0                            | NELSON PANTEL                  | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | C3862_1 | 263                            | 100.0                  | 263                          | BIG RACK LTD                   | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | C3862_2 | 137                            | 100.0                  | 137                          | E I DUPONT DE NEMOURS & CO     | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | IRR | P5012_1 | 140                            | 82.8                   | 0                            | JOE D. HAWES                   | ELM BAYOU                    |
| Guadalupe   | Victoria                        | MUN | P5466_1 | 20,000                         | 85.3                   | 0                            | VICTORIA, CITY OF              | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | MUN | C3860_2 | 260                            | 78.7                   | 0                            | W L LIPSCOMB ET AL             | GUADALUPE RIVER              |
| Guadalupe   | Victoria                        | OTH | P5489_1 | 750                            | 88.4                   | 0                            | JESS Y WOMACK II               | CUSHMAN BAYOU                |
| San Antonio | Bexar                           | IND | P5469_2 | 1,500                          | 68.0                   | 0                            | HAUSMAN ROAD W S C             | LEON CRK                     |
| San Antonio | Bexar                           | IND | C2161_1 | 12,000                         | 97.9                   | 0                            | CITY OF SAN ANTONIO            | Arroyo Seco/San Antonio R.   |
| San Antonio | Bexar                           | IND | C2162_2 | 60,000                         | 95.5                   | 0                            | CITY OF SAN ANTONIO            | Arroyo Seco/San Antonio R.   |
| San Antonio | Bexar                           | IND | C2162_3 | 36,900                         | 100.0                  | 36,900                       | CITY OF SAN ANTONIO            | Arroyo Seco/San Antonio R.   |
| San Antonio | Bexar                           | IND | C2162_5 | 11                             | 100.0                  | 11                           | CITY OF SAN ANTONIO            | Arroyo Seco/San Antonio R.   |
| San Antonio | Bexar                           | IND | P5337_1 | 25                             | 36.9                   | 0                            | H B ZACHRY CO                  | SIX MILE CRK                 |
| San Antonio | Bexar                           | IRR | P4187_2 | 333                            | 74.2                   | 0                            | LOTTIE WALSH MAHLA ESTATE      | LEON CRK                     |
| San Antonio | Bexar                           | IRR | P4187_3 | 86                             | 9.2                    | 0                            | LOTTIE WALSH MAHLA ESTATE      | LEON CRK                     |
| San Antonio | Bexar                           | IRR | C1960_1 | 20                             | 38.9                   | 0                            | JOHN O SPICE                   | SALADO CRK                   |
| San Antonio | Bexar                           | IRR | P5503_1 | 220                            | 55.7                   | 0                            | O-SPORTS GOLF DEVELOPMENT II   | PANTHER SPRING CRK           |
| San Antonio | Bexar                           | IRR | C2145_1 | 32                             | 93.5                   | 0                            | JERRY & MARIAM SPEARS          | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | P3476_1 | 100                            | 75.0                   | 0                            | SAN ANTONIO RANCH LTD          | UNNAMED OF LOS REYES CRK     |
| San Antonio | Bexar                           | IRR | C2141_1 | 75                             | 82.2                   | 0                            | BIPIERT FARMS                  | E BR BIG SOUS CRK            |
| San Antonio | Bexar                           | IRR | C2146_1 | 215                            | 100.0                  | 215                          | BURRELL DAY                    | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | C2142_1 | 197                            | 89.9                   | 0                            | ANTONIO MARIO FERNANDEZ        | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | C2142_2 | 3                              | 87.8                   | 0                            | BEXAR, COUNTY OF               | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | P4141_3 | 179                            | 69.9                   | 0                            | JOHN POWELL WALKER TRUSTEE     | LEON CRK                     |
| San Antonio | Bexar                           | IRR | P4141_4 | 77                             | 69.9                   | 0                            | PEOPLES SAVINGS & LOAN ASSN    | LEON CRK                     |
| San Antonio | Bexar                           | IRR | C2159_1 | 60                             | 100.0                  | 60                           | CITY OF SAN ANTONIO            | SAN ANTONIO RIVER            |
| San Antonio | Bexar                           | IRR | C2150_1 | 62                             | 98.3                   | 0                            | ANGELINA BORDANO               | LEON CRK                     |
| San Antonio | Bexar                           | IRR | C1170_1 | 17                             | 99.8                   | 4                            | JAMES N EVANS SR ET AL         | MARTINEZ                     |
| San Antonio | Bexar                           | IRR | P4135_1 | 200                            | 72.0                   | 0                            | BESSIE WALSH                   | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | P4497_1 | 20                             | 80.5                   | 0                            |                                |                              |
| San Antonio | Bexar                           | IRR | P4497_2 | 186                            | 80.2                   | 0                            |                                |                              |
| San Antonio | Bexar                           | IRR | P4294_1 | 40                             | 99.4                   | 0                            | MARY HARPER TUDHOPE            | PARITA CRK                   |
| San Antonio | Bexar                           | IRR | P5289_1 | 300                            | 31.9                   | 0                            | SOUTHEAST INVESTMENTS INC      | ROSILLO CRK                  |
| San Antonio | Bexar                           | IRR | C2149_1 | 32                             | 98.9                   | 5                            | RANDALL S PREISSIG TRUSTEE     | LEON CRK                     |
| San Antonio | Bexar                           | IRR | P3888_1 | 290                            | 72.6                   | 0                            | ALAN D BARIBEAU ET UX          | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | C2155_1 | 240                            | 100.0                  | 240                          | LES MENDELSON                  | MEDINA RIVER                 |
| San Antonio | Bexar                           | IRR | C1944_1 | 16                             | 47.9                   | 0                            | SAN ANTONIO MISSIONS NATL PARK | SAN ANTONIO RIVER            |
| San Antonio | Bexar                           | IRR | C1933_1 | 480                            | 80.1                   | 0                            | MISSION CEMETERY CO            | SAN ANTONIO RIVER            |
| San Antonio | Bexar                           | IRR | C1965_1 | 300                            | 45.1                   | 0                            | LOMAS SANTA FE LTD             | SALADO CRK                   |
| San Antonio | Bexar                           | IRR | P5577_1 | 420                            | 70.0                   | 0                            | ROBERT L G WATSON              | SAN ANTONIO RIVER            |

**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin       | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                     |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| San Antonio | Bexar                           | IRR | C2151_1 | 1,500                          | 74.2                   | 0                            | SOUTH LOOP LAND & CATTLE LC    | SAUZ CRK                   |
| San Antonio | Bexar                           | IRR | P4136_1 | 124                            | 72.0                   | 0                            | SAWS                           | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | C2151_2 | 388                            | 16.2                   | 0                            | SOUTH LOOP LAND & CATTLE LC    | SAUZ CRK                   |
| San Antonio | Bexar                           | IRR | P4498_1 | 83                             | 79.9                   | 0                            | VIRGINIA JAKSIK                | MARTINEZ CRK               |
| San Antonio | Bexar                           | IRR | P4105_1 | 150                            | 89.0                   | 0                            | CITY OF LIVE OAK               | SALITRILLO CRK             |
| San Antonio | Bexar                           | IRR | C2156_1 | 294                            | 100.0                  | 294                          | CITY OF SAN ANTONIO            | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | C2152_1 | 409                            | 81.9                   | 0                            | CAROLYN VANCE COOK             | MITCHELL LAKE              |
| San Antonio | Bexar                           | IRR | P4137_1 | 34                             | 72.9                   | 0                            | SAWS                           | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | P4499_1 | 54                             | 79.9                   | 0                            | JOSEPH M STANUSH ET AL         | MARTINEZ CRK               |
| San Antonio | Bexar                           | IRR | P5265_1 | 35                             | 76.9                   | 0                            | MARY JAKSIK ZIGMOND            | MARTINEZ CRK               |
| San Antonio | Bexar                           | IRR | C2157_1 | 50                             | 100.0                  | 50                           | LOUIS PAWELEK                  | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | C1962_1 | 10                             | 45.2                   | 0                            | JULIA H. KUSENER JACQUET ET AL | SALADO CRK                 |
| San Antonio | Bexar                           | IRR | C2147_1 | 28                             | 95.0                   | 0                            | JOSE LUIS AMADOR               | ELM CRK                    |
| San Antonio | Bexar                           | IRR | P4138_1 | 126                            | 72.0                   | 0                            | JOHN H SMALL                   | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | P4138_2 | 23                             | 72.4                   | 0                            | SAN ANTONIO WATER SYSTEM       | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | P5266_1 | 45                             | 59.5                   | 0                            | RANDALL K HOOVER ET UX         | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | C1942_1 | 886                            | 97.5                   | 40                           | ESPADILLA DITCH COMPANY        | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | C1146_1 | 26                             | 99.1                   | 0                            | CIBOLO CREEK MUNICIPAL AUTH    | CIBOLO CRK                 |
| San Antonio | Bexar                           | IRR | C1931_1 | 1,440                          | 99.5                   | 973                          | SAN JUAN DITCH WSC             | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | C2158_1 | 24                             | 100.0                  | 24                           | JOE S GARCIA JR ET UX          | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | C1146_2 | 62                             | 96.6                   | 0                            | DOUG WISE                      | CIBOLO CRK                 |
| San Antonio | Bexar                           | IRR | C1146_3 | 5                              | 92.1                   | 0                            | JOHN E NEWTON ET AL            | CIBOLO CRK                 |
| San Antonio | Bexar                           | IRR | C1146_4 | 8                              | 91.4                   | 0                            | JOHN K KOHLHAAS                | CIBOLO CRK                 |
| San Antonio | Bexar                           | IRR | P4134_1 | 200                            | 71.3                   | 0                            | ANITA T WALSH ESTATE           | MEDINA RIVER               |
| San Antonio | Bexar                           | IRR | P4187_1 | 333                            | 71.0                   | 0                            | LOTTIE WALSH MAHLA ESTATE      | LEON CRK                   |
| San Antonio | Bexar                           | IRR | P4496_1 | 30                             | 80.5                   | 0                            | WILLIAM WALLS JR               | MARTINEZ CRK               |
| San Antonio | Bexar                           | IRR | C2148_1 | 8                              | 92.6                   | 0                            | DONALD G RAMBIE                | ELM CRK                    |
| San Antonio | Bexar                           | IRR | P5262_1 | 250                            | 34.5                   | 0                            | ANTHONY J GRANIERI             | E CHANNEL                  |
| San Antonio | Bexar                           | IRR | C2154_2 | 200                            | 52.0                   | 0                            | ARNOLD ALBERT                  | MITCHELL LAKE              |
| San Antonio | Bexar                           | IRR | P4139_1 | 200                            | 71.4                   | 0                            | BESSIE WALSH                   | LEON CRK                   |
| San Antonio | Bexar                           | IRR | C2160_1 | 116                            | 100.0                  | 116                          | BEN B MORRIS ESTATE            | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | IRR | P4141_1 | 20                             | 70.7                   | 0                            | GULF LAND & INVESTMENT CO INC  | LEON CRK                   |
| San Antonio | Bexar                           | IRR | P4141_2 | 23                             | 70.5                   | 0                            | H H GIRDLEY TRUSTEE            | LEON CRK                   |
| San Antonio | Bexar                           | MIN | P4025_1 | 431                            | 74.9                   | 0                            | CAPITOL AGGREGATES INC         | MEDINA RIVER               |
| San Antonio | Bexar                           | MIN | P4025_2 | 769                            | 73.5                   | 0                            | CAPITOL AGGREGATES INC         | MEDINA RIVER               |
| San Antonio | Bexar                           | MIN | P4025_3 | 3,304                          | 51.7                   | 0                            | CAPITOL AGGREGATES INC         | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | C2140_1 | 963                            | 78.5                   | 0                            | METROPOLITAN RESOURCES INC     | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | P5598_1 | 120                            | 74.6                   | 0                            | VERSTRAETEN BROTHERS FARMS INC | LONG HOLLOW CRK            |
| San Antonio | Bexar                           | MUN | C4768_1 | 89                             | 100.0                  | 89                           | BEXAR METROPOLITAN WATER DIST  | MEDIO CRK                  |
| San Antonio | Bexar                           | MUN | C4768_2 | 417                            | 100.0                  | 417                          | BEXAR METROPOLITAN WATER DIST  | MEDIO CRK                  |
| San Antonio | Bexar                           | MUN | C4768_3 | 4,494                          | 99.4                   | 3,226                        | BEXAR METROPOLITAN WATER DIST  | Medio Cr. & Medina R.      |
| San Antonio | Bexar                           | MUN | P5549_1 | 2,250                          | 51.1                   | 0                            | BEXAR METROPOLITAN WATER DIST  | POLECAT CRK                |
| San Antonio | Bexar                           | MUN | C2144_1 | 215                            | 97.8                   | 74                           | BEXAR METROPOLITAN WATER DIST  | MEDIO CRK                  |
| San Antonio | Bexar                           | MUN | C2144_2 | 93                             | 94.0                   | 0                            | BEXAR METROPOLITAN WATER DIST  | MEDIO CRK                  |
| San Antonio | Bexar                           | MUN | C2144_3 | 308                            | 57.6                   | 0                            | BEXAR METROPOLITAN WATER DIST  | MEDIO CRK                  |
| San Antonio | Bexar                           | MUN | P5211_1 | 100                            | 71.2                   | 0                            | LONE STAR GROWERS CO           | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | P5211_2 | 2,900                          | 50.0                   | 0                            | LONE STAR GROWERS CO           | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | C2130_6 | 19,974                         | 92.0                   | 0                            | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | SANTE_2 | 156                            | 59.6                   | 0                            |                                |                            |
| San Antonio | Bexar                           | MUN | P4136_2 | 276                            | 72.3                   | 0                            | BMWD                           | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | P4137_2 | 566                            | 72.2                   | 0                            | BMWD                           | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | P4138_3 | 152                            | 72.3                   | 0                            | BMWD                           | MEDINA RIVER               |
| San Antonio | Bexar                           | MUN | P5517_1 | 7,500                          | 62.9                   | 0                            | LEON CREEK WSC                 | LEON CRK                   |
| San Antonio | Bexar                           | MUN | C1959_1 | 150                            | 97.9                   | 0                            | BEXAR METROPOLITAN WATER DIST  | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | MUN | C2162_4 | 100                            | 100.0                  | 100                          | CITY OF SAN ANTONIO            | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar                           | MUN | C1966_1 | 481                            | 99.9                   | 239                          | BEXAR METROPOLITAN WATER DIST  | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | REC | C2019_1 | 241                            | 100.0                  | 241                          | THE BLUE WING CLUB             | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | REC | C2019_2 | 509                            | 100.0                  | 509                          | THE BLUE WING CLUB             | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | REC | C2019_3 | 250                            | 55.7                   | 0                            | THE BLUE WING CLUB             | SAN ANTONIO RIVER          |
| San Antonio | Bexar                           | WRP | P5596_1 | 770                            | 47.4                   | 0                            | BILLY T MITCHELL               | MEDINA RIVER               |
| San Antonio | Goliad                          | IRR | C2196_1 | 336                            | 100.0                  | 336                          | COLETO CATTLE COMPANY          | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | P5079_1 | 114                            | 93.6                   | 0                            | JOHN C & SHERRY BROOKE         | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | C2197_1 | 86                             | 96.4                   | 0                            | JAMES M PETTUS II              | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | C2193_1 | 284                            | 96.4                   | 0                            | JAMES M PETTUS ET AL           | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | P5478_1 | 300                            | 75.1                   | 0                            | PATRICIA PITTMAN LIGHT         | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | C2198_2 | 333                            | 100.0                  | 333                          | SAM HOUSTON CLINTON            | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | C2194_1 | 1,020                          | 100.0                  | 1,020                        | JULIA GANTT NEWTON ET AL       | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | C2199_1 | 325                            | 100.0                  | 325                          | SAM HOUSTON CLINTON ET AL      | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | P4117_1 | 950                            | 93.9                   | 0                            | JUNE PETTUS                    | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | P5313_1 | 100                            | 99.7                   | 1                            | EDWIN JACOBSON ET AL           | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | IRR | P5220_1 | 90                             | 93.6                   | 0                            | CLARENCE F SCHENDEL ET UX      | SAN ANTONIO RIVER          |
| San Antonio | Goliad                          | WRP | C2195_1 | 410                            | 100.0                  | 410                          | JOE F FRENCH                   | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P5622_1 | 240                            | 70.0                   | 0                            | JAY E. BAKER ET AL             | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3803_1 | 80                             | 89.4                   | 0                            | OLIVE L RIDLEY ET AL           | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3803_2 | 80                             | 89.4                   | 0                            | OLIVE L RIDLEY ET AL           | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P5367_1 | 300                            | 74.9                   | 0                            | SUSIE LEE YANTA                | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | C2186_1 | 70                             | 94.2                   | 0                            | VINCENT LABUS JR               | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3808_1 | 232                            | 75.4                   | 0                            | FLAVIAN B MOCZYGENBA           | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | C2192_1 | 140                            | 100.0                  | 140                          | HALLIS DAVENPORT REVC MAN TR   | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3767_1 | 20                             | 93.9                   | 0                            | FELIX MOCZYGENBA               | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P4512_1 | 160                            | 94.1                   | 0                            | OLIVE L RIDLEY ET AL           | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3852_1 | 50                             | 89.2                   | 0                            | THOMAS A KORZEKWA              | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P3852_2 | 25                             | 71.9                   | 0                            | THOMAS A KORZEKWA              | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P4407_1 | 50                             | 89.2                   | 0                            | TOMMY NAJVAR ET UX             | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P5043_1 | 150                            | 93.6                   | 0                            | MELANIE A JACOBS ET AL         | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P4538_1 | 150                            | 89.2                   | 0                            | ALICE P JENDRUSCH ET AL        | SAN ANTONIO RIVER          |
| San Antonio | Karnes                          | IRR | P4561_1 | 525                            | 89.2                   | 0                            | RIO GRANDE RESOURCES CORP      | CIBOLO CRK                 |
| San Antonio | Karnes                          | IRR | P5368_1 | 300                            | 74.9                   | 0                            | ARTHUR RAY YANTA ET UX         | SAN ANTONIO RIVER          |

**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin       | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                        |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|-------------------------------|
| San Antonio | Karnes                          | IRR | P5002 1 | 150                            | 89.2                   | 0                            | WM A JEFFERS JR & ANN JACKSON  | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5296 1 | 74                             | 89.3                   | 0                            | DENNIS J MOY                   | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5044 1 | 150                            | 89.2                   | 0                            | CHARLES WAYNE HUBBARD ET AL    | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2183 2 | 100                            | 100.0                  | 100                          | B. PAWELEK/YANTA               | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P4503 1 | 55                             | 75.7                   | 0                            | HENRY D STRINGER JR            | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2188 1 | 40                             | 93.9                   | 0                            | ALFRED MOCZYGEMBA              | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P4002 1 | 80                             | 80.7                   | 0                            | CASPER F MOCZYGEMBA JR ET AL   | CIBOLO CRK                    |
| San Antonio | Karnes                          | IRR | P4490 1 | 90                             | 75.4                   | 0                            | DANIEL R ANDERSON ET AL        | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5532 1 | 3                              | 72.2                   | 0                            | FELIX BRONDER                  | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5062 1 | 100                            | 89.2                   | 0                            | ALFRED J RAHE                  | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5333 1 | 90                             | 75.0                   | 0                            | HECTOR O HERRERA, ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5333 2 | 300                            | 74.7                   | 0                            | HECTOR O HERRERA, ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2184 1 | 120                            | 82.2                   | 0                            | BONNIE SKLOSS                  | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2184 2 | 80                             | 75.5                   | 0                            | BONNIE SKLOSS                  | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2190 1 | 100                            | 100.0                  | 100                          | FLORENCE S BAUMANN ET AL       | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C1167 1 | 5                              | 100.0                  | 5                            | FRANK B KRAWIETZ               | CIBOLO CRK                    |
| San Antonio | Karnes                          | IRR | P5306 1 | 200                            | 89.2                   | 0                            | HERBERT JOHN EWALD JR ET AL    | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5323 1 | 100                            | 75.0                   | 0                            | WILLIAM I DUBEL                | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P3431 1 | 60                             | 93.9                   | 0                            | ANDREW RIVES ET UX             | CIBOLO CRK                    |
| San Antonio | Karnes                          | IRR | P5239 1 | 4                              | 89.2                   | 0                            | HOLY TRINITY CATHOLIC CHURCH   | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P4536 1 | 100                            | 89.2                   | 0                            | JAMES M & NANCY W BAILEY       | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P4536 2 | 200                            | 89.2                   | 0                            | JAMES M & NANCY W BAILEY       | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C2185 1 | 90                             | 93.9                   | 0                            | FRANCIS MOY & MARY MOY KOWALIK | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P5455 1 | 3                              | 74.7                   | 0                            | DAVID C. "CHARLIE" ZUNKER      | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | P3851 1 | 50                             | 89.2                   | 0                            | SAM M. KORZEKWA                | SAN ANTONIO RIVER             |
| San Antonio | Karnes                          | IRR | C1168 1 | 30                             | 100.0                  | 30                           | ALOYS PAWELEK                  | CIBOLO CRK                    |
| San Antonio | Karnes                          | WRP | C2189 1 | 350                            | 100.0                  | 350                          | CLEM R CANNON ET AL            | SAN ANTONIO RIVER             |
| San Antonio | Kendall                         | IRR | C1144 1 | 48                             | 97.2                   | 0                            | WILLIS JAY HARPOLE             | FREDERICK CRK                 |
| San Antonio | Kendall                         | IRR | C1144 2 | 7                              | 97.0                   | 0                            | WILLIS JAY HARPOLE             | ROBROY CRK                    |
| San Antonio | Kendall                         | IRR | C1142 1 | 4                              | 94.2                   | 0                            | JEB B MAEBIUS JR ET UX         | CIBOLO CRK                    |
| San Antonio | Kendall                         | MUN | C1143 1 | 523                            | 99.1                   | 0                            | CITY OF BOERNE                 | CIBOLO CRK                    |
| San Antonio | Kendall                         | MUN | C1143 2 | 310                            | 99.0                   | 0                            | CITY OF BOERNE                 | CIBOLO CRK                    |
| San Antonio | Medina                          | IRR | C2133 1 | 18                             | 91.3                   | 0                            | HARLEY & DOROTHY TSCHIRHART    | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | C2134 1 | 17                             | 93.3                   | 0                            | GLENNIS W STEIN                | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | C2139 1 | 112                            | 92.1                   | 0                            | A L GILLIAM                    | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | C2130 4 | 45,856                         | 89.4                   | 0                            | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | P4170 1 | 15                             | 70.4                   | 0                            | TWAIN J JAGGE ET UX            | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | C2135 1 | 5                              | 96.8                   | 0                            | KITTIE NELSON FERGUSON         | SAN GERONIMO CRK              |
| San Antonio | Medina                          | IRR | P4159 1 | 50                             | 70.6                   | 0                            | MARIE I HABY ET AL             | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | C2136 1 | 6                              | 90.1                   | 0                            | KITTIE NELSON FERGUSON         | UNNAMED TRIB SAN GERONIMO CRK |
| San Antonio | Medina                          | IRR | P4149 1 | 20                             | 70.7                   | 0                            | GLENNIS W STEIN                | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | P4140 1 | 185                            | 70.1                   | 0                            | KATHLEEN DAVENPORT CARSKADDEN  | MEDINA RIVER                  |
| San Antonio | Medina                          | IRR | P4151 1 | 170                            | 70.3                   | 0                            | JAMES A OPPELT ET UX           | MEDINA RIVER                  |
| San Antonio | Medina                          | MUN | C2130 1 | 750                            | 96.1                   | 0                            | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER                  |
| San Antonio | Medina                          | MUN | C2130 2 | 170                            | 96.1                   | 0                            | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER                  |
| San Antonio | Medina                          | RCG | P3220 1 | 9,996                          | 8.5                    | 0                            | EDWARDS UNDERGROUND WD         | SAN GERONIMO                  |
| San Antonio | Wilson                          | IRR | P5633 1 | 130                            | 93.9                   | 0                            | LOUIS T. AND SONIA ROSENBERG   | UNNAMED TRIB SAN ANTONIO      |
| San Antonio | Wilson                          | IRR | P5633 2 | 8                              | 0.0                    | 0                            | LOUIS T. AND SONIA ROSENBERG   | UNNAMED TRIB SAN ANTONIO      |
| San Antonio | Wilson                          | IRR | P5611 1 | 175                            | 63.6                   | 0                            | ELIAS DUGI, ET UX              | CIBOLO CREEK                  |
| San Antonio | Wilson                          | IRR | C2181 1 | 64                             | 100.0                  | 64                           | FRED J LYSSY ET AL             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2181 2 | 157                            | 75.4                   | 0                            | FRED J LYSSY ET AL             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2181 3 | 159                            | 75.4                   | 0                            | FRED J LYSSY ET AL             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1158 1 | 30                             | 96.4                   | 0                            | VIVA LEA MILLS                 | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1164 1 | 6                              | 96.8                   | 0                            | JANE LYSSY OPIELA ET AL        | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P5320 1 | 200                            | 65.7                   | 0                            | SHELBY KOEHLER ET UX           | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2165 1 | 50                             | 94.1                   | 0                            | ED WISEMAN MARITAL TRUST       | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2165 2 | 70                             | 65.8                   | 0                            | ED WISEMAN MARITAL TRUST       | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2171 1 | 63                             | 100.0                  | 63                           | R C CARROLL                    | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1154 1 | 69                             | 100.0                  | 69                           | JONAH H WILSON                 | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P5308 1 | 100                            | 70.0                   | 0                            | SAM JARZOMBKE                  | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1160 1 | 140                            | 96.4                   | 0                            | MRS MAGGIE WEBER               | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P5587 1 | 300                            | 49.9                   | 0                            | ALOIS D KOLLODZIEJ ET UX       | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2176 1 | 105                            | 100.0                  | 105                          | POTH LAND & CATTLE CO          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5126 1 | 150                            | 75.4                   | 0                            | WILLIAM M PAVLISKA             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2176 2 | 145                            | 66.9                   | 0                            | POTH LAND & CATTLE CO          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2182 1 | 700                            | 93.9                   | 0                            | LEO V LYSSY ET AL              | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P3994 1 | 1,056                          | 75.3                   | 0                            | BOENING ENTERPRISES            | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2182 2 | 166                            | 66.9                   | 0                            | LEO V LYSSY ET AL              | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1159 1 | 0                              | 96.4                   | 0                            | DEBORAH M IRWIN ET VIR         | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1148 1 | 11                             | 100.0                  | 11                           | ALLAN G LYNHAM ET UX           | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1159 2 | 13                             | 96.4                   | 0                            | GAYLON T CLICK ET UX           | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1165 1 | 4                              | 100.0                  | 4                            | EMERYK KELLER                  | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1150 1 | 200                            | 100.0                  | 200                          | PAT HIGGINS ESTATE             | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1159 3 | 16                             | 96.4                   | 0                            | GAYLON T CLICK ET UX           | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1159 4 | 7                              | 96.4                   | 0                            | PATRICK NEIDORF                | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1171 1 | 80                             | 100.0                  | 80                           | ROSS OWEN SCULL                | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C2166 1 | 105                            | 98.8                   | 0                            | NICK KOLENDA                   | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1159 5 | 3                              | 96.4                   | 0                            | WAYNE DODD ET AL TRUSTEES      | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1171 2 | 250                            | 89.2                   | 0                            | ROSS OWEN SCULL                | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P4121 1 | 38                             | 75.6                   | 0                            | BENITO D. CABRIALES ET UX      | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2166 2 | 95                             | 66.9                   | 0                            | NICK KOLENDA                   | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2172 1 | 18                             | 100.0                  | 18                           | CLYDE R MAHA ET AL             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1171 3 | 330                            | 79.1                   | 0                            | ROSS OWEN SCULL                | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P5395 1 | 254                            | 65.6                   | 0                            | RENATO MARTINEZ ET UX          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5395 2 | 450                            | 64.0                   | 0                            | RENATO MARTINEZ ET UX          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5243 1 | 54                             | 75.5                   | 0                            | FRANK R BOLF                   | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5499 1 | 50                             | 64.1                   | 0                            | GARY ZOOK, ET UX               | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5264 1 | 130                            | 66.9                   | 0                            | LILLIAN S WISEMAN TRUST ET AL  | SAN ANTONIO RIVER             |

**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin       | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                         | Stream                        |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|-------------------------------|-------------------------------|
| San Antonio | Wilson                          | IRR | C1161 1 | 15                             | 96.4                   | 0                            | JOHN DRZYMALA                 | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C2177 1 | 81                             | 100.0                  | 81                           | FRANK & J A LABUS             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5171 1 | 200                            | 75.4                   | 0                            | MESCALERO PROPERTIES          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1149 1 | 62                             | 100.0                  | 62                           | RAY SMITH ET UX               | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1166 1 | 25                             | 96.8                   | 0                            | GERVAS JASKINIA ESTATE        | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C2167 1 | 17                             | 100.0                  | 17                           | TOMAS CAVAZOS                 | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4181 1 | 86                             | 75.5                   | 0                            | BERTRAND O BAETZ ESTATE ET AL | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4484 1 | 5                              | 75.7                   | 0                            | DELBERT J KELLER              | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4181 2 | 120                            | 75.4                   | 0                            | BERTRAND O BAETZ ESTATE ET AL | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P3837 1 | 21                             | 75.7                   | 0                            | LAWRENCE R HALLIBURTON ET UX  | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4484 2 | 200                            | 89.2                   | 0                            | DELBERT J KELLER              | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5182 1 | 100                            | 79.8                   | 0                            | JAMES T WATSON                | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P3837 2 | 29                             | 75.6                   | 0                            | W H HALLIBURTON, ESTATE OF    | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4484 3 | 100                            | 93.9                   | 0                            | DELBERT J KELLER              | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1156 1 | 35                             | 100.0                  | 35                           | WAYNE H STROUD ET AL          | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1162 1 | 2                              | 94.1                   | 0                            | ALVIN PRUSKI                  | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1162 2 | 78                             | 76.9                   | 0                            | ALVIN PRUSKI                  | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C2178 1 | 1                              | 100.0                  | 1                            | FELIX J JANEK JR ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2163 1 | 44                             | 100.0                  | 44                           | CHARLES HONEYCUTT, ET AL      | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2178 2 | 5                              | 100.0                  | 5                            | FELIX J JANEK JR ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2163 2 | 256                            | 75.4                   | 0                            | CHARLES HONEYCUTT, ET AL      | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2178 3 | 15                             | 75.7                   | 0                            | FELIX J JANEK JR ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2178 4 | 42                             | 100.0                  | 42                           | SIX J FARMS INC               | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2178 5 | 175                            | 100.0                  | 175                          | SIX J FARMS INC               | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2178 6 | 485                            | 75.0                   | 0                            | SIX J FARMS INC               | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5202 1 | 75                             | 75.5                   | 0                            | GEORGE R GAWLIK ET UX         | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P4495 1 | 50                             | 75.8                   | 0                            | WILLIAM & IRENE C WALLS JR    | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1152 1 | 35                             | 98.8                   | 0                            | BILL & MELVIN DEAGEN ET AL    | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C2168 1 | 16                             | 95.3                   | 0                            | H W FINCK                     | UNNAMED TRIB SEGUIN BR        |
| San Antonio | Wilson                          | IRR | C2174 1 | 14                             | 100.0                  | 14                           | WILLIE HOSEK ESTATE           | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2180 1 | 18                             | 100.0                  | 18                           | DONALD A OCKER ET AL          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2180 2 | 110                            | 100.0                  | 110                          | DONALD A OCKER ET AL          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2180 3 | 497                            | 75.3                   | 0                            | DONALD A OCKER ET AL          | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5194 1 | 210                            | 75.4                   | 0                            | JOE R HOLLAWAY JR ET AL       | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5224 1 | 60                             | 77.2                   | 0                            | JOHNNY KOSUB & BETTY KOSUB    | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P3861 1 | 200                            | 75.4                   | 0                            | GEO D POOL & RONALD R STINSON | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1163 1 | 80                             | 100.0                  | 80                           | CYNTHIA A TITZMAN ET VIR      | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P3897 1 | 716                            | 46.6                   | 0                            | ALFRED J NEWMAN, ET UX        | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2179 1 | 47                             | 100.0                  | 47                           | A D D CORPORATION             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2164 1 | 23                             | 100.0                  | 23                           | JOHN WILLIAM HELTON JR ET UX  | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2179 2 | 72                             | 100.0                  | 72                           | A D D CORPORATION             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2164 2 | 59                             | 67.0                   | 0                            | JOHN WILLIAM HELTON JR ET UX  | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2179 3 | 39                             | 100.0                  | 39                           | A D D CORPORATION             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2179 4 | 467                            | 75.3                   | 0                            | A D D CORPORATION             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5218 1 | 360                            | 77.5                   | 0                            | WILLIAM P REDDICK ET UX       | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P5559 1 | 99                             | 64.6                   | 0                            | RALPH MCGREW ET UX            | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | C1153 1 | 100                            | 94.1                   | 0                            | WAYNE H STROUD ET AL          | CIBOLO CRK                    |
| San Antonio | Wilson                          | IRR | P3887 1 | 50                             | 75.5                   | 0                            | PATTILLO FAMILY FARMS INC     | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | P5307 1 | 300                            | 66.6                   | 0                            | JAMES R LEININGER             | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2169 1 | 29                             | 100.0                  | 29                           | JIMMY E HOLT ET UX            | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2169 2 | 18                             | 100.0                  | 18                           | RICHARD E ULLMANN ET UX       | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2175 1 | 38                             | 100.0                  | 38                           | WELMA L R KIRCHOFF ET AL      | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C2175 2 | 60                             | 64.1                   | 0                            | WELMA L R KIRCHOFF ET AL      | SAN ANTONIO RIVER             |
| San Antonio | Wilson                          | IRR | C1151 1 | 86                             | 100.0                  | 86                           |                               | CIBOLO CRK                    |
| San Antonio | Wilson                          | MUN | C1155 1 | 42                             | 100.0                  | 42                           | SIESTA CATTLE COMPANY         | CIBOLO CRK                    |
| San Antonio | Wilson                          | MUN | C1157 2 | 117                            | 94.3                   | 0                            | OSCAR SANDERS                 | CIBOLO CRK                    |
| San Antonio | Wilson                          | WRP | C2173 1 | 78                             | 100.0                  | 78                           | CECIL MARK RICHARDSON ET AL   | SAN ANTONIO RIVER             |
| Nueces      | Atascosa                        | IRR | C3213 1 | 13                             | 1.0                    | 0                            | SAM COUNTISS                  | UNNAMED TRIB LIVE OAK CRK     |
| Nueces      | Atascosa                        | IRR | C3216 1 | 20                             | 14.1                   | 0                            | ATASCOSA COWBOY RECREATION    | UNNAMED TRIB ATASCOSA RIVER   |
| Nueces      | Atascosa                        | IRR | C3217 1 | 27                             | 14.3                   | 0                            | WOODROW W MARSH               | ATASCOSA RIVER                |
| Nueces      | Atascosa                        | IRR | C3218 1 | 7                              | 14.3                   | 0                            | JACK L MCGINNIS ET UX         | ATASCOSA RIVER                |
| Nueces      | Atascosa                        | IRR | C3218 2 | 11                             | 14.3                   | 0                            | DOYLE LAWHON ET UX            | ATASCOSA RIVER                |
| Nueces      | Atascosa                        | IRR | C3219 1 | 30                             | 14.5                   | 0                            | ERNEST KORUS                  | ATASCOSA RIVER                |
| Nueces      | Atascosa                        | IRR | C4772 1 | 2                              | 98.4                   | 0                            | MAGSONS N. V.                 | BONITA CRK                    |
| Nueces      | Atascosa                        | MIN | P5511 1 | 120                            | 2.4                    | 0                            | SAN MIGUEL ELECTRIC COOP INC  | UNNAMED TRIB LA PARITA CRK    |
| Nueces      | Dimmit                          | IRR | C3082 8 | 19,996                         | 78.0                   | 0                            | ZAVALA-DIMMIT CO WID 1        | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3086 1 | 554                            | 38.6                   | 0                            | CHARLES W. WILSON, SR., ET AL | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3093 1 | 102                            | 100.0                  | 102                          | CHARLES H THALMAN             | BERMUDA RES- SOLDIER SLOUGH   |
| Nueces      | Dimmit                          | IRR | C3094 1 | 300                            | 100.0                  | 300                          | ALBERT IVY                    | LIVE OAK CRK                  |
| Nueces      | Dimmit                          | IRR | C3095 1 | 1,090                          | 100.0                  | 1,090                        | MARRS MCLEAN BOWMAN           | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3095 2 | 201                            | 100.0                  | 201                          | MARRS MCLEAN BOWMAN           | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3096 1 | 337                            | 100.0                  | 337                          | DONALD JACKSON ET UX          | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3097 1 | 231                            | 100.0                  | 231                          | DALE L HASTEN                 | NUECES RIVER                  |
| Nueces      | Dimmit                          | IRR | C3098 1 | 60                             | 68.1                   | 0                            | LUCILE C WHITECOTTON ET AL    | SOLDIER SLOUGH                |
| Nueces      | Dimmit                          | IRR | C3099 1 | 34                             | 35.8                   | 0                            | CHARLES W & MARJORIE V WILSON | EL BARROSA CRK                |
| Nueces      | Dimmit                          | IRR | C3102 1 | 15                             | 29.1                   | 0                            | NEEDMORE RANCH INC            | APPURCEON CRK                 |
| Nueces      | Dimmit                          | IRR | C3103 1 | 400                            | 89.1                   | 0                            | R W BRIGGS, JR                | BURRO CRK                     |
| Nueces      | Dimmit                          | MIN | C3082 9 | 4                              | 61.9                   | 0                            | ZAVALA-DIMMIT CO WID 1        | NUECES RIVER                  |
| Nueces      | Dimmit                          | MIN | C3093 2 | 1                              | 100.0                  | 1                            | CHARLES H THALMAN             | SOLDIER SLOUGH                |
| Nueces      | Frio                            | IRR | C3193 1 | 8                              | 32.1                   | 0                            | HOWARD F BENNETT              | FRIO RIVER                    |
| Nueces      | Frio                            | IRR | C3199 1 | 50                             | 17.9                   | 0                            | JAMES BAKER III               | UNNAMED TRIB TODOS SANTOS CRK |
| Nueces      | Frio                            | IRR | C3208 1 | 230                            | 1.3                    | 0                            | COX FEEDLOTS INC              | UNNAMED TRIB CHACON CRK       |
| Nueces      | Frio                            | IRR | C3209 1 | 118                            | 86.8                   | 0                            | E F MORRIS                    | CHACON CRK                    |
| Nueces      | Frio                            | IRR | C3210 1 | 20                             | 31.4                   | 0                            | FRANCIS MALDONADO             | UNNAMED TRIB SAN MIGUEL CRK   |
| Nueces      | Frio                            | IRR | C3211 1 | 40                             | 92.8                   | 0                            | GLEN EARL BAKER               | SAN MIGUEL CRK                |
| Nueces      | Frio                            | IRR | C3211 2 | 60                             | 73.3                   | 0                            | GLEN EARL BAKER               | SAN MIGUEL CRK                |
| Nueces      | Frio                            | IRR | C3212 1 | 25                             | 2.5                    | 0                            | CHARLES CURTIS RAMSEY ET UX   | BUCKHORN CRK                  |
| Nueces      | Frio                            | IRR | P3884 1 | 80                             | 0.6                    | 0                            | CLAUDE D J SMITH              | SAN MIGUEL CRK                |



**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin  | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                     |
|--------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| Nueces | Frio                            | IRR | P3914_1 | 19                             | 6.3                    | 0                            | A E SCHLETZE FARMS             | ELM CRK                    |
| Nueces | Frio                            | IRR | P3914_2 | 7                              | 6.3                    | 0                            | A R GALLOWAY ET UX             | ELM CRK                    |
| Nueces | Frio                            | IRR | P4014_1 | 124                            | 1.4                    | 0                            | JOE H BERRY                    | LEONA RIVER                |
| Nueces | Frio                            | IRR | P4041_1 | 25                             | 0.3                    | 0                            | FLOYD B NEUMAN                 | SAN MIGUEL CRK             |
| Nueces | Frio                            | IRR | P4041_2 | 20                             | 0.4                    | 0                            | FLOYD B NEUMAN                 | SAN MIGUEL CRK             |
| Nueces | Frio                            | IRR | P4113_1 | 15                             | 2.6                    | 0                            | DR LESLIE R FRICKE             | SAN MIGUEL CRK             |
| Nueces | La Salle                        | IRR | C3104_1 | 250                            | 98.6                   | 0                            | WAITZ SUPER MARKET, INC        | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3105_1 | 150                            | 99.8                   | 1                            | FRANKLIN JERRY MEEKS           | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3106_1 | 20                             | 94.3                   | 0                            | M C WHITWELL ET UX             | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3106_2 | 20                             | 93.2                   | 0                            | M C WHITWELL ET UX             | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3107_1 | 210                            | 43.3                   | 0                            | CARL CONWAY                    | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3108_1 | 298                            | 31.5                   | 0                            | C L LEHMAN ESTATE              | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3109_1 | 10                             | 48.2                   | 0                            | M C WHITWELL ET UX             | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3110_1 | 22                             | 47.7                   | 0                            |                                |                            |
| Nueces | La Salle                        | IRR | C3111_1 | 30                             | 95.3                   | 0                            | EUGENE WHITE                   | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3112_1 | 47                             | 98.4                   | 0                            | FREDNA K DOBIE                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3114_1 | 199                            | 98.3                   | 0                            | RALPH P. GUTTMAN               | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3115_1 | 55                             | 98.3                   | 0                            | VALLEY FLEA MARKET INC         | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3116_1 | 33                             | 98.3                   | 0                            | BRENDA JOAN BOYD               | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3116_2 | 145                            | 98.2                   | 0                            | PRINCE WOOD ET AL              | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3117_1 | 270                            | 97.5                   | 0                            | ROBERT CARL HART ET UX         | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3118_1 | 50                             | 100.0                  | 50                           | GLENN T ROBERTS ET UX          | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3119_1 | 40                             | 100.0                  | 40                           | NORMA D GARCIA ET VIR          | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3120_1 | 200                            | 100.0                  | 200                          | JOE L. GILBERT                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3121_1 | 5                              | 100.0                  | 5                            | RUDY & TERESA RODRIGUEZ SR     | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3122_1 | 30                             | 100.0                  | 30                           | SANTANA A MORIN ET AL          | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3123_1 | 70                             | 100.0                  | 70                           | LOUIS OSWALD LIND              | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3123_2 | 130                            | 100.0                  | 67                           | LOUIS OSWALD LIND              | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3124_1 | 5                              | 99.9                   | 0                            | RAUL DEL TORO ET UX            | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3125_1 | 20                             | 84.0                   | 0                            | GEORGE & SHARON TRIGO          | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3126_1 | 100                            | 82.8                   | 0                            | SILLER BROTHERS                | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3126_2 | 260                            | 62.2                   | 0                            | SILLER BROTHERS                | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3127_1 | 180                            | 91.3                   | 0                            | LEE M & VALDA M GATES          | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3128_1 | 39                             | 91.8                   | 0                            | VALDA M GATES                  | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3129_1 | 180                            | 92.8                   | 0                            | LOUISE G DAVIS                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3130_1 | 126                            | 91.2                   | 0                            | BILLIE JEAN TAYLOR             | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3131_1 | 50                             | 90.9                   | 0                            | RONALD C FEUDO                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3132_1 | 195                            | 90.8                   | 0                            | EL TRES EXPLORATION INC        | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3133_1 | 54                             | 95.8                   | 0                            | H B RAMSEY                     | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3133_2 | 296                            | 95.1                   | 0                            | RODNEY D JONES                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3134_1 | 398                            | 92.8                   | 0                            | GEORGE C HIXON                 | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3135_1 | 42                             | 100.0                  | 42                           | H.B. RAMSEY                    | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3135_2 | 38                             | 91.7                   | 0                            | H.B. RAMSEY                    | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3136_1 | 200                            | 100.0                  | 200                          | DOROTHY M. KINSEL              | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3137_1 | 84                             | 91.5                   | 0                            | T.G. RANKIN                    | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3138_1 | 55                             | 91.4                   | 0                            | CHARLES D. JOHNSON             | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3139_1 | 2,023                          | 98.3                   | 0                            | HOLLAND TEXAS DAM & IRR. CO.   | UNNAMED TRIB NUECES RIVER  |
| Nueces | La Salle                        | IRR | C3140_1 | 76                             | 56.4                   | 0                            | FRED HILLJE ESTATE             | NUECES RIVER               |
| Nueces | La Salle                        | IRR | C3201_1 | 649                            | 35.8                   | 0                            | JEFF E RUSK ET AL              | FRIO RIVER                 |
| Nueces | La Salle                        | IRR | C3203_1 | 106                            | 33.1                   | 0                            | DOUGLAS A MILLER, ET AL        | UNNAMED SLOUGH FRIO RIVER  |
| Nueces | Medina                          | IRR | C3189_1 | 40                             | 7.7                    | 0                            | RICHARD W SCHWEERS             | HONDO CRK                  |
| Nueces | Medina                          | IRR | C3190_1 | 80                             | 28.8                   | 0                            | THOMAS J MOORE III             | UNNAMED TRIB HONDO CRK     |
| Nueces | Medina                          | IRR | C3191_1 | 20                             | 15.3                   | 0                            | L S MOLLERE, TRUSTEE           | SECO CRK                   |
| Nueces | Medina                          | IRR | C3207_1 | 2,000                          | 1.5                    | 0                            | BEXAR-MEDINA-ATASCOSA WCID 1   | CHACON CRK                 |
| Nueces | Medina                          | IRR | P4286_1 | 4                              | 1.0                    | 0                            | C H PIFER                      | CHACON CRK                 |
| Nueces | Medina                          | IRR | P4506_1 | 40                             | 1.7                    | 0                            | JAMES THOMAS BAGBY JR          | HONDO CRK                  |
| Nueces | Medina                          | RCG | C3192_1 | 6,012                          | 0.1                    | 0                            | EDWARDS UNDERGROUND WATER DIST | PARKERS CRK                |
| Nueces | Medina                          | RCG | P3745_1 | 12,172                         | 4.7                    | 0                            | EDWARDS UNDERGROUND W D        | MIDDLE VERDE               |
| Nueces | Medina                          | RCG | P3806_1 | 42,258                         | 2.6                    | 0                            | EDWARDS UNDERGROUND W D        | SECO CRK                   |
| Nueces | Uvalde                          | IND | C3087_1 | 10                             | 86.1                   | 0                            | R L WHITE COMPANY              | GATO CRK                   |
| Nueces | Uvalde                          | IRR | C3064_1 | 150                            | 32.4                   | 0                            | ADANA TEAGUE                   | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3065_1 | 720                            | 100.0                  | 720                          | F. KENNETH BAILEY JR.          | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3066_1 | 10                             | 31.4                   | 0                            | GEORGE H MOFF                  | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3067_1 | 1,461                          | 90.2                   | 0                            | EVERETT L CLARK                | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3068_1 | 310                            | 87.7                   | 0                            | WILLARD R WALLACE ET AL        | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3069_1 | 134                            | 45.2                   | 0                            | ARIZONA T CRUMP                | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3072_1 | 200                            | 83.3                   | 0                            | MIRASOL RANCH FAMILY LTD PART  | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3073_1 | 144                            | 26.8                   | 0                            | SAM BARKLEY                    | NUECES RIVER               |
| Nueces | Uvalde                          | IRR | C3163_1 | 113                            | 36.3                   | 0                            | JOHN HAMMAN JR ESTATE          | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3163_2 | 133                            | 3.5                    | 0                            | JOHN HAMMAN JR ESTATE          | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3165_1 | 86                             | 36.1                   | 0                            | WALLACE S & ISABEL B WILSON    | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3166_1 | 35                             | 36.5                   | 0                            | JOE C KRANZ ET UX              | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3167_1 | 11                             | 36.4                   | 0                            | MACONDA BROWN O'CONNOR         | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3168_1 | 4                              | 36.3                   | 0                            | JOHN S BUCHANAN                | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3168_2 | 37                             | 36.2                   | 0                            | JOHN S BUCHANAN                | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3169_1 | 40                             | 36.2                   | 0                            | JOHN S. GRAVES, JR, ET AL      | MAYHEW                     |
| Nueces | Uvalde                          | IRR | C3170_1 | 19                             | 9.2                    | 0                            | JOHN M & MARY ANN BARKLEY      | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3171_1 | 75                             | 26.2                   | 0                            | MICHAEL L STONER               | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3172_1 | 1,000                          | 3.8                    | 0                            | THOMAS & GRETLE EKBAUM         | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3173_1 | 1,000                          | 3.8                    | 0                            | ALVIN M RIMKUS                 | FRIO RIVER                 |
| Nueces | Uvalde                          | IRR | C3174_1 | 31                             | 12.1                   | 0                            | RIO GRANDE CHILDRENS HOME INC  | DRY FRIO RIVER             |
| Nueces | Uvalde                          | IRR | C3175_1 | 9                              | 9.2                    | 0                            | EL CAMINO GIRL SCOUT COUNCIL   | DRY FRIO RIVER             |
| Nueces | Uvalde                          | IRR | C3182_1 | 40                             | 8.3                    | 0                            | PAUL G SILBER JR               | SABINAL RIVER              |
| Nueces | Uvalde                          | IRR | C3194_1 | 50                             | 2.7                    | 0                            | GEORGE E LIGOCKY               | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | C3194_2 | 49                             | 2.4                    | 0                            | GEORGE E LIGOCKY               | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | C3196_1 | 40                             | 7.9                    | 0                            | SAMUEL DON SMITH               | LEONA RIVER                |
| Nueces | Uvalde                          | IRR | C3197_1 | 523                            | 90.6                   | 0                            | MARJORIE LEE KERR ESTATE       | LEONA RIVER                |
| Nueces | Uvalde                          | IRR | C3197_2 | 305                            | 90.5                   | 0                            | MARJORIE LEE KERR ESTATE       | LEONA RIVER                |

**Appendix C**  
**Reliability Information for Water Rights in the South Central Texas Region**

| Basin  | County of Diversion Location(s) | Use | WR ID#  | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner                          | Stream                     |
|--------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| Nueces | Uvalde                          | IRR | P3988 1 | 28                             | 2.8                    | 0                            | GEORGE LIGOCKY                 | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | P3989 1 | 56                             | 4.5                    | 0                            | JAMES C HENRY, ET UX           | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | P3990 1 | 30                             | 1.4                    | 0                            | DON INMAN                      | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | P3991 1 | 250                            | 82.3                   | 0                            | D S TURNER ET UX               | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde                          | IRR | P4177 1 | 200                            | 3.7                    | 0                            | MARVIN G VERSTUYFT ET AL       | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P4177 2 | 795                            | 3.5                    | 0                            | MARVIN G VERSTUYFT ET AL       | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P4238 1 | 140                            | 3.7                    | 0                            | CON CAN ENTERPRISES INC        | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P4305 1 | 1,140                          | 3.8                    | 0                            | A C SANDERLIN ET AL            | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P4352 1 | 110                            | 2.1                    | 0                            | LOUIS A WATERS                 | LITTLE CRK                 |
| Nueces | Uvalde                          | IRR | P5063 1 | 94                             | 3.8                    | 0                            | GAFFORD FAMILY PARTNERSHIP     | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P5241 1 | 108                            | 3.5                    | 0                            | BARKAT LAND & CATTLE CO        | FRIIO RIVER                |
| Nueces | Uvalde                          | IRR | P5325 1 | 255                            | 2.0                    | 0                            | RONALD E LEE, JR               | SABINAL RIVER              |
| Nueces | Uvalde                          | IRR | P5372 1 | 320                            | 1.6                    | 0                            | ROBERT L K LYNCH ET AL         | FRIIO RIVER                |
| Nueces | Uvalde                          | MUN | P4505 1 | 200                            | 2.6                    | 0                            | UTOPIA WATER SUPPLY CORP       | SABINAL RIVER              |
| Nueces | Uvalde                          | MUN | P5063 2 | 6                              | 3.9                    | 0                            | GAFFORD FAMILY PARTNERSHIP     | FRIIO RIVER                |
| Nueces | Uvalde                          | MUN | P5497 1 | 35                             | 2.2                    | 0                            | CONCAN WATER SUPPLY CORP       | FRIIO RIVER                |
| Nueces | Zavala                          | IRR | C3074 1 | 200                            | 17.1                   | 0                            | DONALD R LINDENBORN JR TRUSTEE | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3075 1 | 124                            | 17.1                   | 0                            | WALTER D MOORE                 | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3076 1 | 200                            | 17.1                   | 0                            | DON P DIXON                    | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3077 1 | 200                            | 17.1                   | 0                            | K & M FARMS                    | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3078 1 | 200                            | 17.1                   | 0                            | WILBA RALPH WALKER ET AL       | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3079 1 | 313                            | 17.0                   | 0                            | JACK RUTLEDGE                  | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3080 1 | 75                             | 8.4                    | 0                            | F F BONNET EX UX               | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3081 1 | 390                            | 38.5                   | 0                            | GEORGE C THOREEN ET AL         | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3082 1 | 8,000                          | 61.7                   | 0                            | ZAVALA-DIMMIT CO WID 1         | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3083 1 | 230                            | 39.3                   | 0                            | MARIO A ESCOBAR ET UX          | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3084 1 | 80                             | 39.0                   | 0                            | OPAL E C MARBURGER             | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3085 1 | 320                            | 27.0                   | 0                            | WARD L BOX                     | NUECES RIVER               |
| Nueces | Zavala                          | IRR | C3088 1 | 150                            | 80.4                   | 0                            | CHAPARROSA RANCHES, LTD        | CHAPARROSA CRK             |
| Nueces | Zavala                          | IRR | C3089 1 | 206                            | 77.4                   | 0                            | ERROL O JONSSON ET AL          | CHACON CRK                 |
| Nueces | Zavala                          | IRR | C3090 1 | 45                             | 45.4                   | 0                            | JIM G FERGUSON, JR             | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3090 2 | 65                             | 29.4                   | 0                            | JIM G FERGUSON, JR             | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3091 1 | 800                            | 67.3                   | 0                            | L C ROBBINS JR                 | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3091 2 | 400                            | 66.3                   | 0                            | TURKEY CREEK RANCHES LTD       | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3091 3 | 400                            | 65.7                   | 0                            | FRANK W HARBORTH               | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3091 4 | 498                            | 64.9                   | 0                            | RICHARD DALE LEDOUX ET AL      | COMANCHE CRK               |
| Nueces | Zavala                          | IRR | C3092 1 | 684                            | 46.3                   | 0                            | TURKEY CREEK RANCHES LTD       |                            |
| Nueces | Zavala                          | IRR | C3198 1 | 150                            | 6.3                    | 0                            | DENVER C CARNES                | LEONA RIVER                |



c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

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#### EXECUTIVE COMMITTEE

Con Mims  
*Chair / River Authorities*  
Tim Andruss  
*Vice-Chair / Water Districts*  
Gary Middleton  
*Secretary / Municipalities*  
Donna Balin  
*At-Large / Environmental*  
Kevin Janak  
*At-Large/ Electric Generating/Utilities*

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July 22, 2014

Mr. Kevin Patteson  
Executive Administrator  
Texas Water Development Board  
1700 North Congress Avenue  
P.O. Box 13231  
Austin, TX 78711-3231

RE: Region L Transmittal Letter for Task 4C – Prepare and Submit Technical Memorandum and RWPG Analysis of WUG and WWP Needs

Dear Mr. Patteson

At the May 1<sup>st</sup>, 2014 South Central Texas Regional Water Planning Group (Region L) meeting, the Planning Group authorized myself, Con Mims, as Chairman of the Region L Planning Group to submit the Technical Memorandum in accordance with Section 1 Article 1 of the Texas Water Development Board (TWDB) Contract no. 1148301323 between the TWDB and the Contractor Administrator, the San Antonio River Authority (SARA). The Technical Memorandum (enclosed) has been prepared and is hereby submitted to the Executive Administrator for consideration.

Should you have any questions, please contact Brian Perkins at (512) 912-5173 or Cole Ruiz at (210) 302-3293.

Respectfully,

Con Mims  
Chair, Region L

Enclosure (1)

cc: David Meesey, Manager, Regional Water Planning (TWDB)  
Steve Raabe, PE, Director, Technical Services (SARA)  
Brian Perkins, PE, Water Resources Engineer, HDR Engineering, Inc.

## **Region L**

### **Task 4C – Prepare and Submit Technical Memorandum and RWPG Analysis of WUG and WWP Needs**



**Region L**  
**TWDB DB17 Population Projection Report**

**WUG POPULATION**

| REGION L                                  | WUG POPULATION |               |               |               |               |               |
|-------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                           | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>ATASCOSA COUNTY</b>                    |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                       |                |               |               |               |               |               |
| BENTON CITY WSC                           | 8,157          | 9,426         | 10,583        | 11,712        | 12,772        | 13,759        |
| CHARLOTTE                                 | 2,008          | 2,321         | 2,605         | 2,883         | 3,144         | 3,387         |
| JOURDANTON                                | 4,532          | 5,237         | 5,880         | 6,506         | 7,096         | 7,644         |
| LYTLE                                     | 2,339          | 2,703         | 3,035         | 3,358         | 3,663         | 3,946         |
| MCCOY WSC                                 | 7,305          | 8,442         | 9,478         | 10,488        | 11,439        | 12,321        |
| PLEASANTON                                | 10,459         | 12,086        | 13,569        | 15,016        | 16,377        | 17,641        |
| POTEET                                    | 3,817          | 4,411         | 4,952         | 5,480         | 5,976         | 6,437         |
| SAN ANTONIO WATER SYSTEM                  | 5,772          | 6,670         | 7,488         | 8,286         | 9,037         | 9,735         |
| COUNTY-OTHER                              | 6,592          | 7,618         | 8,553         | 9,464         | 10,325        | 11,119        |
| <b>NUECES BASIN TOTAL POPULATION</b>      | <b>50,981</b>  | <b>58,914</b> | <b>66,143</b> | <b>73,193</b> | <b>79,829</b> | <b>85,989</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |               |               |               |               |               |
| BENTON CITY WSC                           | 1,008          | 1,165         | 1,308         | 1,447         | 1,579         | 1,700         |
| COUNTY-OTHER                              | 585            | 676           | 759           | 841           | 916           | 987           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b> | <b>1,593</b>   | <b>1,841</b>  | <b>2,067</b>  | <b>2,288</b>  | <b>2,495</b>  | <b>2,687</b>  |
| <b>ATASCOSA COUNTY TOTAL POPULATION</b>   | <b>52,574</b>  | <b>60,755</b> | <b>68,210</b> | <b>75,481</b> | <b>82,324</b> | <b>88,676</b> |
| <b>BEXAR COUNTY</b>                       |                |               |               |               |               |               |
| <b>NUECES BASIN</b>                       |                |               |               |               |               |               |
| ATASCOSA RURAL WSC                        | 687            | 829           | 960           | 1,086         | 1,201         | 1,307         |
| LYTLE                                     | 56             | 75            | 92            | 109           | 124           | 138           |
| COUNTY-OTHER                              | 8,037          | 9,022         | 9,926         | 10,795        | 11,593        | 12,320        |
| <b>NUECES BASIN TOTAL POPULATION</b>      | <b>8,780</b>   | <b>9,926</b>  | <b>10,978</b> | <b>11,990</b> | <b>12,918</b> | <b>13,765</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |               |               |               |               |               |
| ALAMO HEIGHTS                             | 8,095          | 8,423         | 8,423         | 8,423         | 8,423         | 8,423         |
| ATASCOSA RURAL WSC                        | 11,898         | 14,365        | 16,632        | 18,810        | 20,809        | 22,632        |
| BALCONES HEIGHTS                          | 3,386          | 3,828         | 4,234         | 4,624         | 4,982         | 5,308         |
| CASTLE HILLS                              | 4,739          | 4,739         | 4,739         | 4,739         | 4,739         | 4,739         |
| CHINA GROVE                               | 1,358          | 1,535         | 1,698         | 1,854         | 1,997         | 2,128         |
| CONVERSE                                  | 23,289         | 25,936        | 28,193        | 28,193        | 28,193        | 28,193        |
| EAST CENTRAL SUD                          | 9,626          | 10,731        | 11,747        | 12,723        | 13,619        | 14,437        |
| ELMENDORF                                 | 2,131          | 2,781         | 3,379         | 3,953         | 4,480         | 4,961         |
| FAIR OAKS RANCH                           | 4,959          | 5,286         | 5,446         | 5,387         | 5,642         | 5,874         |
| GREEN VALLEY SUD                          | 3,179          | 3,594         | 3,975         | 4,341         | 4,677         | 4,983         |
| HELOTES                                   | 9,803          | 12,249        | 14,497        | 16,657        | 18,639        | 20,447        |
| HILL COUNTRY VILLAGE                      | 1,028          | 1,028         | 1,028         | 1,028         | 1,028         | 1,028         |
| HOLLYWOOD PARK                            | 3,126          | 3,190         | 3,249         | 3,305         | 3,357         | 3,404         |
| KIRBY                                     | 9,210          | 10,411        | 10,494        | 10,495        | 10,495        | 10,495        |
| LACKLAND AFB                              | 9,918          | 9,918         | 9,918         | 9,918         | 9,918         | 9,918         |
| LEON VALLEY                               | 10,886         | 11,616        | 12,287        | 12,932        | 13,524        | 14,064        |
| LIVE OAK                                  | 15,117         | 15,480        | 15,480        | 15,480        | 15,480        | 15,480        |
| OLMOS PARK                                | 2,576          | 2,912         | 3,220         | 3,517         | 3,789         | 4,038         |
| RANDOLPH AFB                              | 1,429          | 1,615         | 1,787         | 1,951         | 2,102         | 2,240         |
| SAN ANTONIO                               | 1,528,077      | 1,727,411     | 1,910,640     | 2,086,678     | 2,248,192     | 2,395,583     |
| SAN ANTONIO WATER SYSTEM                  | 227,729        | 257,436       | 284,742       | 310,977       | 335,047       | 357,013       |
| SCHERTZ                                   | 1,485          | 1,866         | 2,347         | 2,859         | 3,473         | 4,035         |
| SELMA                                     | 4,777          | 5,400         | 5,973         | 6,523         | 7,028         | 7,488         |
| SHAVANO PARK                              | 3,494          | 3,950         | 4,369         | 4,772         | 5,141         | 5,478         |

**WUG POPULATION**

| REGION L                                      | WUG POPULATION   |                  |                  |                  |                  |                  |
|-----------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                               | 2020             | 2030             | 2040             | 2050             | 2060             | 2070             |
| <b>BEXAR COUNTY</b>                           |                  |                  |                  |                  |                  |                  |
| <b>SAN ANTONIO BASIN</b>                      |                  |                  |                  |                  |                  |                  |
| SOMERSET                                      | 1,878            | 2,123            | 2,348            | 2,564            | 2,763            | 2,944            |
| ST. HEDWIG                                    | 2,411            | 2,726            | 3,015            | 3,292            | 3,547            | 3,780            |
| TERRELL HILLS                                 | 5,616            | 5,616            | 5,616            | 5,616            | 5,616            | 5,616            |
| THE OAKS WSC                                  | 2,114            | 2,519            | 2,892            | 3,250            | 3,579            | 3,879            |
| UNIVERSAL CITY                                | 21,332           | 21,970           | 21,970           | 21,970           | 21,970           | 21,970           |
| VON ORMY                                      | 1,250            | 1,412            | 1,562            | 1,706            | 1,838            | 1,959            |
| WATER SERVICES INC                            | 4,102            | 4,587            | 5,032            | 5,460            | 5,853            | 6,211            |
| WINDCREST                                     | 5,573            | 5,781            | 5,972            | 6,156            | 6,324            | 6,478            |
| COUNTY-OTHER                                  | 19,670           | 29,190           | 40,372           | 53,525           | 65,137           | 75,735           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>     | <b>1,965,261</b> | <b>2,221,624</b> | <b>2,457,276</b> | <b>2,683,678</b> | <b>2,891,401</b> | <b>3,080,961</b> |
| <b>BEXAR COUNTY TOTAL POPULATION</b>          | <b>1,974,041</b> | <b>2,231,550</b> | <b>2,468,254</b> | <b>2,695,668</b> | <b>2,904,319</b> | <b>3,094,726</b> |
| <b>CALDWELL COUNTY</b>                        |                  |                  |                  |                  |                  |                  |
| <b>COLORADO BASIN</b>                         |                  |                  |                  |                  |                  |                  |
| AQUA WSC                                      | 260              | 318              | 375              | 432              | 489              | 545              |
| CREEDMOOR-MAHA WSC                            | 1,021            | 1,249            | 1,476            | 1,699            | 1,926            | 2,144            |
| MUSTANG RIDGE                                 | 514              | 629              | 743              | 855              | 969              | 1,079            |
| POLONIA WSC                                   | 2,269            | 2,776            | 3,278            | 3,774            | 4,275            | 4,763            |
| COUNTY-OTHER                                  | 426              | 524              | 619              | 713              | 807              | 901              |
| <b>COLORADO BASIN TOTAL POPULATION</b>        | <b>4,490</b>     | <b>5,496</b>     | <b>6,491</b>     | <b>7,473</b>     | <b>8,466</b>     | <b>9,432</b>     |
| <b>GUADALUPE BASIN</b>                        |                  |                  |                  |                  |                  |                  |
| AQUA WSC                                      | 1,470            | 1,800            | 2,126            | 2,447            | 2,773            | 3,089            |
| COUNTY LINE WSC                               | 1,173            | 1,436            | 1,695            | 1,952            | 2,212            | 2,464            |
| CREEDMOOR-MAHA WSC                            | 260              | 320              | 377              | 434              | 491              | 548              |
| GOFORTH SUD                                   | 377              | 462              | 546              | 628              | 712              | 793              |
| GONZALES COUNTY WSC                           | 182              | 223              | 264              | 304              | 344              | 383              |
| LOCKHART                                      | 15,680           | 19,198           | 22,668           | 26,100           | 29,568           | 32,942           |
| LULING                                        | 6,658            | 8,152            | 9,625            | 11,083           | 12,555           | 13,988           |
| MARTINDALE                                    | 1,378            | 1,687            | 1,992            | 2,293            | 2,598            | 2,895            |
| MAXWELL WSC                                   | 4,070            | 4,983            | 5,883            | 6,774            | 7,674            | 8,550            |
| MUSTANG RIDGE                                 | 13               | 16               | 19               | 22               | 25               | 28               |
| NIEDERWALD                                    | 160              | 196              | 232              | 267              | 302              | 337              |
| POLONIA WSC                                   | 4,813            | 5,894            | 6,960            | 8,014            | 9,079            | 10,115           |
| SAN MARCOS                                    | 9                | 15               | 21               | 27               | 33               | 39               |
| UHLAND                                        | 614              | 752              | 889              | 1,023            | 1,159            | 1,291            |
| COUNTY-OTHER                                  | 5,661            | 6,923            | 8,167            | 9,402            | 10,648           | 11,860           |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>       | <b>42,518</b>    | <b>52,057</b>    | <b>61,464</b>    | <b>70,770</b>    | <b>80,173</b>    | <b>89,322</b>    |
| <b>CALDWELL COUNTY TOTAL POPULATION</b>       | <b>47,008</b>    | <b>57,553</b>    | <b>67,955</b>    | <b>78,243</b>    | <b>88,639</b>    | <b>98,754</b>    |
| <b>CALHOUN COUNTY</b>                         |                  |                  |                  |                  |                  |                  |
| <b>COLORADO-LAVACA BASIN</b>                  |                  |                  |                  |                  |                  |                  |
| POINT COMFORT                                 | 829              | 927              | 1,022            | 1,113            | 1,204            | 1,292            |
| COUNTY-OTHER                                  | 802              | 896              | 988              | 1,077            | 1,165            | 1,249            |
| <b>COLORADO-LAVACA BASIN TOTAL POPULATION</b> | <b>1,631</b>     | <b>1,823</b>     | <b>2,010</b>     | <b>2,190</b>     | <b>2,369</b>     | <b>2,541</b>     |
| <b>LAVACA-GUADALUPE BASIN</b>                 |                  |                  |                  |                  |                  |                  |
| CALHOUN COUNTY WS                             | 4,401            | 4,919            | 5,423            | 5,909            | 6,390            | 6,857            |
| PORT LAVACA                                   | 13,770           | 15,391           | 16,969           | 18,490           | 19,996           | 21,456           |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |                |                |                |                |                |
|--------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                  | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>CALHOUN COUNTY</b>                            |                |                |                |                |                |                |
| <b>LAVACA-GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| PORT O'CONNOR MUD                                | 1,409          | 1,575          | 1,736          | 1,892          | 2,046          | 2,195          |
| SEADRIFT                                         | 1,534          | 1,714          | 1,890          | 2,060          | 2,227          | 2,390          |
| COUNTY-OTHER                                     | 1,214          | 1,357          | 1,498          | 1,630          | 1,765          | 1,893          |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b>   | <b>22,328</b>  | <b>24,956</b>  | <b>27,516</b>  | <b>29,981</b>  | <b>32,424</b>  | <b>34,791</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>                  |                |                |                |                |                |                |
| COUNTY-OTHER                                     | 78             | 87             | 96             | 105            | 113            | 122            |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>78</b>      | <b>87</b>      | <b>96</b>      | <b>105</b>     | <b>113</b>     | <b>122</b>     |
| <b>CALHOUN COUNTY TOTAL POPULATION</b>           | <b>24,037</b>  | <b>26,866</b>  | <b>29,622</b>  | <b>32,276</b>  | <b>34,906</b>  | <b>37,454</b>  |
| <b>COMAL COUNTY</b>                              |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| BULVERDE                                         | 56             | 66             | 77             | 88             | 99             | 110            |
| CANYON LAKE WATER SERVICE COMPANY                | 24,848         | 35,043         | 45,401         | 55,857         | 66,241         | 76,210         |
| CRYSTAL CLEAR WSC                                | 2,087          | 2,404          | 2,726          | 3,051          | 3,373          | 3,683          |
| GARDEN RIDGE                                     | 3,017          | 4,103          | 5,205          | 6,318          | 7,424          | 8,485          |
| GREEN VALLEY SUD                                 | 355            | 450            | 547            | 644            | 741            | 833            |
| NEW BRAUNFELS                                    | 60,609         | 75,734         | 91,096         | 106,606        | 122,011        | 136,799        |
| SAN ANTONIO WATER SYSTEM                         | 5,328          | 7,953          | 10,620         | 13,313         | 15,988         | 18,488         |
| SCHERTZ                                          | 1,531          | 2,490          | 3,741          | 5,200          | 7,011          | 8,845          |
| COUNTY-OTHER                                     | 23,390         | 23,788         | 23,846         | 23,933         | 23,544         | 23,254         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>121,221</b> | <b>152,031</b> | <b>183,259</b> | <b>215,010</b> | <b>246,432</b> | <b>276,707</b> |
| <b>SAN ANTONIO BASIN</b>                         |                |                |                |                |                |                |
| BULVERDE                                         | 5,497          | 6,559          | 7,637          | 8,725          | 9,806          | 10,843         |
| CANYON LAKE WATER SERVICE COMPANY                | 6,150          | 8,672          | 11,231         | 13,816         | 16,385         | 18,850         |
| FAIR OAKS RANCH                                  | 399            | 475            | 537            | 576            | 647            | 715            |
| GARDEN RIDGE                                     | 1,705          | 2,318          | 2,941          | 3,570          | 4,194          | 4,794          |
| SAN ANTONIO WATER SYSTEM                         | 4,565          | 6,816          | 9,101          | 11,408         | 13,699         | 15,966         |
| SCHERTZ                                          | 38             | 61             | 92             | 128            | 172            | 218            |
| SELMA                                            | 18             | 23             | 27             | 32             | 37             | 42             |
| COUNTY-OTHER                                     | 1,232          | 1,444          | 1,737          | 1,827          | 1,990          | 1,964          |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>19,604</b>  | <b>26,368</b>  | <b>33,303</b>  | <b>40,082</b>  | <b>46,930</b>  | <b>53,392</b>  |
| <b>COMAL COUNTY TOTAL POPULATION</b>             | <b>140,825</b> | <b>178,399</b> | <b>216,562</b> | <b>255,092</b> | <b>293,362</b> | <b>330,099</b> |
| <b>DEWITT COUNTY</b>                             |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| CUERO                                            | 7,100          | 7,338          | 7,455          | 7,563          | 7,634          | 7,684          |
| GONZALES COUNTY WSC                              | 356            | 368            | 374            | 380            | 383            | 386            |
| YORKTOWN                                         | 2,171          | 2,244          | 2,280          | 2,313          | 2,335          | 2,350          |
| COUNTY-OTHER                                     | 7,166          | 7,406          | 7,525          | 7,633          | 7,705          | 7,755          |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>16,793</b>  | <b>17,356</b>  | <b>17,634</b>  | <b>17,889</b>  | <b>18,057</b>  | <b>18,175</b>  |
| <b>LAVACA BASIN</b>                              |                |                |                |                |                |                |
| YOAKUM                                           | 2,219          | 2,294          | 2,330          | 2,364          | 2,386          | 2,402          |
| COUNTY-OTHER                                     | 1,274          | 1,316          | 1,338          | 1,357          | 1,370          | 1,379          |
| <b>LAVACA BASIN TOTAL POPULATION</b>             | <b>3,493</b>   | <b>3,610</b>   | <b>3,668</b>   | <b>3,721</b>   | <b>3,756</b>   | <b>3,781</b>   |
| <b>LAVACA-GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| COUNTY-OTHER                                     | 13             | 13             | 14             | 14             | 14             | 14             |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b>   | <b>13</b>      | <b>13</b>      | <b>14</b>      | <b>14</b>      | <b>14</b>      | <b>14</b>      |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |               |               |               |               |               |
|--------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                                  | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>DEWITT COUNTY</b>                             |                |               |               |               |               |               |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 556            | 576           | 584           | 592           | 598           | 602           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>556</b>     | <b>576</b>    | <b>584</b>    | <b>592</b>    | <b>598</b>    | <b>602</b>    |
| <b>DEWITT COUNTY TOTAL POPULATION</b>            | <b>20,855</b>  | <b>21,555</b> | <b>21,900</b> | <b>22,216</b> | <b>22,425</b> | <b>22,572</b> |
| <b>DIMITT COUNTY</b>                             |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| ASHERTON                                         | 1,180          | 1,272         | 1,332         | 1,391         | 1,437         | 1,474         |
| BIG WELLS                                        | 759            | 818           | 856           | 895           | 924           | 948           |
| CARRIZO SPRINGS                                  | 5,841          | 6,297         | 6,592         | 6,888         | 7,114         | 7,296         |
| COUNTY-OTHER                                     | 3,071          | 3,313         | 3,468         | 3,623         | 3,742         | 3,837         |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>10,851</b>  | <b>11,700</b> | <b>12,248</b> | <b>12,797</b> | <b>13,217</b> | <b>13,555</b> |
| RIO GRANDE BASIN                                 |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 24             | 25            | 27            | 28            | 29            | 30            |
| <b>RIO GRANDE BASIN TOTAL POPULATION</b>         | <b>24</b>      | <b>25</b>     | <b>27</b>     | <b>28</b>     | <b>29</b>     | <b>30</b>     |
| <b>DIMITT COUNTY TOTAL POPULATION</b>            | <b>10,875</b>  | <b>11,725</b> | <b>12,275</b> | <b>12,825</b> | <b>13,246</b> | <b>13,585</b> |
| <b>FRIO COUNTY</b>                               |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| BENTON CITY WSC                                  | 573            | 632           | 683           | 732           | 776           | 816           |
| DILLEY                                           | 4,340          | 4,783         | 5,168         | 5,539         | 5,874         | 6,176         |
| PEARSALL                                         | 10,192         | 11,233        | 12,137        | 13,009        | 13,795        | 14,505        |
| COUNTY-OTHER                                     | 4,081          | 4,496         | 4,858         | 5,208         | 5,522         | 5,807         |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>19,186</b>  | <b>21,144</b> | <b>22,846</b> | <b>24,488</b> | <b>25,967</b> | <b>27,304</b> |
| <b>FRIO COUNTY TOTAL POPULATION</b>              | <b>19,186</b>  | <b>21,144</b> | <b>22,846</b> | <b>24,488</b> | <b>25,967</b> | <b>27,304</b> |
| <b>GOLIAD COUNTY</b>                             |                |               |               |               |               |               |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 3,006          | 3,395         | 3,652         | 3,761         | 3,837         | 3,882         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>3,006</b>   | <b>3,395</b>  | <b>3,652</b>  | <b>3,761</b>  | <b>3,837</b>  | <b>3,882</b>  |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| GOLIAD                                           | 2,230          | 2,519         | 2,709         | 2,790         | 2,847         | 2,880         |
| COUNTY-OTHER                                     | 2,515          | 2,841         | 3,056         | 3,147         | 3,211         | 3,248         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>4,745</b>   | <b>5,360</b>  | <b>5,765</b>  | <b>5,937</b>  | <b>6,058</b>  | <b>6,128</b>  |
| SAN ANTONIO-NUECES BASIN                         |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 676            | 764           | 822           | 847           | 864           | 874           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>676</b>     | <b>764</b>    | <b>822</b>    | <b>847</b>    | <b>864</b>    | <b>874</b>    |
| <b>GOLIAD COUNTY TOTAL POPULATION</b>            | <b>8,427</b>   | <b>9,519</b>  | <b>10,239</b> | <b>10,545</b> | <b>10,759</b> | <b>10,884</b> |
| <b>GONZALES COUNTY</b>                           |                |               |               |               |               |               |
| GUADALUPE BASIN                                  |                |               |               |               |               |               |
| GONZALES                                         | 7,948          | 8,741         | 9,487         | 10,352        | 11,231        | 12,151        |
| GONZALES COUNTY WSC                              | 6,264          | 6,889         | 7,477         | 8,159         | 8,852         | 9,578         |
| NIXON                                            | 2,612          | 2,872         | 3,118         | 3,402         | 3,691         | 3,993         |
| SMILEY                                           | 603            | 664           | 720           | 786           | 852           | 922           |
| WAEELDER                                         | 1,170          | 1,287         | 1,397         | 1,524         | 1,653         | 1,789         |
| COUNTY-OTHER                                     | 3,007          | 3,306         | 3,588         | 3,915         | 4,251         | 4,598         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>21,604</b>  | <b>23,759</b> | <b>25,787</b> | <b>28,138</b> | <b>30,530</b> | <b>33,031</b> |

**WUG POPULATION**

| REGION L                                  | WUG POPULATION |                |                |                |                |                |
|-------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                           | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>GONZALES COUNTY</b>                    |                |                |                |                |                |                |
| <b>LAVACA BASIN</b>                       |                |                |                |                |                |                |
| COUNTY-OTHER                              | 147            | 162            | 176            | 192            | 208            | 225            |
| <b>LAVACA BASIN TOTAL POPULATION</b>      | <b>147</b>     | <b>162</b>     | <b>176</b>     | <b>192</b>     | <b>208</b>     | <b>225</b>     |
| <b>GONZALES COUNTY TOTAL POPULATION</b>   | <b>21,751</b>  | <b>23,921</b>  | <b>25,963</b>  | <b>28,330</b>  | <b>30,738</b>  | <b>33,256</b>  |
| <b>GUADALUPE COUNTY</b>                   |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| CRYSTAL CLEAR WSC                         | 11,211         | 13,479         | 15,799         | 18,068         | 20,378         | 22,646         |
| GONZALES COUNTY WSC                       | 100            | 121            | 141            | 162            | 182            | 202            |
| GREEN VALLEY SUD                          | 11,342         | 13,636         | 15,983         | 18,279         | 20,615         | 22,909         |
| LULING                                    | 24             | 28             | 33             | 38             | 43             | 47             |
| NEW BRAUNFELS                             | 12,373         | 14,875         | 17,436         | 19,940         | 22,489         | 24,991         |
| SANTA CLARA                               | 123            | 148            | 173            | 198            | 223            | 248            |
| SCHERTZ                                   | 2,962          | 3,958          | 4,657          | 5,342          | 6,036          | 6,716          |
| SEGUIN                                    | 30,675         | 36,879         | 43,227         | 49,436         | 55,756         | 61,960         |
| SPRINGS HILL WSC                          | 14,564         | 17,510         | 20,524         | 23,472         | 26,472         | 29,418         |
| COUNTY-OTHER                              | 5,474          | 6,084          | 7,736          | 9,351          | 10,996         | 12,611         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>   | <b>88,848</b>  | <b>106,718</b> | <b>125,709</b> | <b>144,286</b> | <b>163,190</b> | <b>181,748</b> |
| <b>SAN ANTONIO BASIN</b>                  |                |                |                |                |                |                |
| CIBOLO                                    | 37,000         | 54,800         | 64,234         | 73,459         | 82,849         | 92,069         |
| EAST CENTRAL SUD                          | 685            | 824            | 965            | 1,104          | 1,245          | 1,384          |
| GREEN VALLEY SUD                          | 8,280          | 9,955          | 11,669         | 13,345         | 15,051         | 16,726         |
| MARION                                    | 1,299          | 1,562          | 1,831          | 2,094          | 2,361          | 2,624          |
| NEW BERLIN                                | 623            | 749            | 878            | 1,004          | 1,132          | 1,258          |
| SANTA CLARA                               | 761            | 915            | 1,072          | 1,226          | 1,383          | 1,537          |
| SCHERTZ                                   | 37,067         | 49,524         | 58,269         | 66,841         | 75,534         | 84,043         |
| SELMA                                     | 2,274          | 5,012          | 5,012          | 5,012          | 5,012          | 5,012          |
| SPRINGS HILL WSC                          | 1,960          | 2,356          | 2,762          | 3,158          | 3,562          | 3,958          |
| WATER SERVICES INC                        | 247            | 296            | 347            | 397            | 448            | 498            |
| COUNTY-OTHER                              | 3,649          | 2,607          | 3,316          | 4,008          | 4,713          | 5,404          |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b> | <b>93,845</b>  | <b>128,600</b> | <b>150,355</b> | <b>171,648</b> | <b>193,290</b> | <b>214,513</b> |
| <b>GUADALUPE COUNTY TOTAL POPULATION</b>  | <b>182,693</b> | <b>235,318</b> | <b>276,064</b> | <b>315,934</b> | <b>356,480</b> | <b>396,261</b> |
| <b>HAYS COUNTY</b>                        |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                    |                |                |                |                |                |                |
| BUDA                                      | 1,658          | 2,184          | 2,826          | 3,627          | 4,533          | 5,564          |
| COUNTY LINE WSC                           | 2,601          | 3,427          | 4,433          | 5,691          | 7,112          | 8,730          |
| CREEDMOOR-MAHA WSC                        | 82             | 108            | 139            | 179            | 223            | 274            |
| CRYSTAL CLEAR WSC                         | 4,393          | 5,131          | 6,029          | 7,152          | 8,421          | 9,865          |
| GOFORTH SUD                               | 12,870         | 16,829         | 21,650         | 27,677         | 34,487         | 42,238         |
| KYLE                                      | 50,808         | 77,050         | 92,000         | 92,000         | 92,000         | 92,000         |
| MAXWELL WSC                               | 1,146          | 1,248          | 1,372          | 1,527          | 1,702          | 1,902          |
| MOUNTAIN CITY                             | 199            | 263            | 340            | 436            | 544            | 668            |
| NIEDERWALD                                | 601            | 792            | 1,025          | 1,315          | 1,643          | 2,017          |
| PLUM CREEK WATER COMPANY                  | 10,934         | 15,878         | 15,592         | 15,350         | 15,159         | 15,009         |
| SAN MARCOS                                | 71,108         | 84,803         | 101,138        | 120,621        | 143,859        | 171,575        |
| UHLAND                                    | 770            | 1,063          | 1,420          | 1,866          | 2,370          | 2,943          |
| WIMBERLEY                                 | 3,627          | 4,780          | 6,183          | 7,937          | 9,919          | 12,175         |
| WIMBERLEY WSC                             | 4,063          | 6,083          | 8,542          | 11,617         | 15,091         | 19,045         |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |                |                |                |                |                |
|--------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                  | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>HAYS COUNTY</b>                               |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| WOODCREEK                                        | 1,641          | 1,853          | 2,111          | 2,434          | 2,798          | 3,213          |
| COUNTY-OTHER                                     | 16,777         | 19,057         | 38,837         | 53,743         | 101,516        | 154,547        |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>183,278</b> | <b>240,549</b> | <b>303,637</b> | <b>353,172</b> | <b>441,377</b> | <b>541,765</b> |
| <b>HAYS COUNTY TOTAL POPULATION</b>              | <b>183,278</b> | <b>240,549</b> | <b>303,637</b> | <b>353,172</b> | <b>441,377</b> | <b>541,765</b> |
| <b>KARNES COUNTY</b>                             |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| EL OSO WSC                                       | 32             | 33             | 33             | 33             | 33             | 33             |
| COUNTY-OTHER                                     | 89             | 91             | 92             | 92             | 92             | 92             |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>121</b>     | <b>124</b>     | <b>125</b>     | <b>125</b>     | <b>125</b>     | <b>125</b>     |
| <b>NUECES BASIN</b>                              |                |                |                |                |                |                |
| EL OSO WSC                                       | 90             | 93             | 93             | 93             | 93             | 93             |
| COUNTY-OTHER                                     | 76             | 80             | 79             | 79             | 79             | 79             |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>166</b>     | <b>173</b>     | <b>172</b>     | <b>172</b>     | <b>172</b>     | <b>172</b>     |
| <b>SAN ANTONIO BASIN</b>                         |                |                |                |                |                |                |
| EL OSO WSC                                       | 2,623          | 2,704          | 2,709          | 2,709          | 2,709          | 2,709          |
| FALLS CITY                                       | 638            | 657            | 659            | 659            | 659            | 659            |
| KARNES CITY                                      | 3,172          | 3,271          | 3,277          | 3,277          | 3,277          | 3,277          |
| KENEDY                                           | 3,437          | 3,544          | 3,551          | 3,551          | 3,551          | 3,551          |
| RUNGE                                            | 1,075          | 1,109          | 1,111          | 1,111          | 1,111          | 1,111          |
| SUNKO WSC                                        | 193            | 199            | 200            | 200            | 200            | 200            |
| COUNTY-OTHER                                     | 3,967          | 4,092          | 4,098          | 4,098          | 4,098          | 4,098          |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>15,105</b>  | <b>15,576</b>  | <b>15,605</b>  | <b>15,605</b>  | <b>15,605</b>  | <b>15,605</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>                  |                |                |                |                |                |                |
| EL OSO WSC                                       | 23             | 24             | 24             | 24             | 24             | 24             |
| COUNTY-OTHER                                     | 41             | 41             | 42             | 42             | 42             | 42             |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>64</b>      | <b>65</b>      | <b>66</b>      | <b>66</b>      | <b>66</b>      | <b>66</b>      |
| <b>KARNES COUNTY TOTAL POPULATION</b>            | <b>15,456</b>  | <b>15,938</b>  | <b>15,968</b>  | <b>15,968</b>  | <b>15,968</b>  | <b>15,968</b>  |
| <b>KENDALL COUNTY</b>                            |                |                |                |                |                |                |
| <b>COLORADO BASIN</b>                            |                |                |                |                |                |                |
| COUNTY-OTHER                                     | 329            | 406            | 489            | 571            | 655            | 736            |
| <b>COLORADO BASIN TOTAL POPULATION</b>           | <b>329</b>     | <b>406</b>     | <b>489</b>     | <b>571</b>     | <b>655</b>     | <b>736</b>     |
| <b>GUADALUPE BASIN</b>                           |                |                |                |                |                |                |
| KENDALL COUNTY WCID #1                           | 3,190          | 3,750          | 4,341          | 4,927          | 5,525          | 6,112          |
| COUNTY-OTHER                                     | 13,000         | 16,289         | 19,764         | 23,208         | 26,724         | 30,175         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>          | <b>16,190</b>  | <b>20,039</b>  | <b>24,105</b>  | <b>28,135</b>  | <b>32,249</b>  | <b>36,287</b>  |
| <b>SAN ANTONIO BASIN</b>                         |                |                |                |                |                |                |
| BOERNE                                           | 14,367         | 18,820         | 23,524         | 28,187         | 32,947         | 37,619         |
| FAIR OAKS RANCH                                  | 2,482          | 3,431          | 4,318          | 4,965          | 5,898          | 6,814          |
| WATER SERVICES INC                               | 280            | 346            | 417            | 487            | 558            | 628            |
| COUNTY-OTHER                                     | 8,537          | 9,171          | 9,954          | 10,963         | 11,721         | 12,465         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>25,666</b>  | <b>31,768</b>  | <b>38,213</b>  | <b>44,602</b>  | <b>51,124</b>  | <b>57,526</b>  |
| <b>KENDALL COUNTY TOTAL POPULATION</b>           | <b>42,185</b>  | <b>52,213</b>  | <b>62,807</b>  | <b>73,308</b>  | <b>84,028</b>  | <b>94,549</b>  |

**WUG POPULATION**

| REGION L                                         | WUG POPULATION |               |               |               |               |               |
|--------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                                                  | 2020           | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>LA SALLE COUNTY</b>                           |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| COTULLA                                          | 4,069          | 4,457         | 4,819         | 5,226         | 5,577         | 5,902         |
| ENCINAL                                          | 632            | 692           | 748           | 811           | 866           | 916           |
| COUNTY-OTHER                                     | 3,075          | 3,368         | 3,642         | 3,950         | 4,214         | 4,461         |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>7,776</b>   | <b>8,517</b>  | <b>9,209</b>  | <b>9,987</b>  | <b>10,657</b> | <b>11,279</b> |
| <b>LA SALLE COUNTY TOTAL POPULATION</b>          | <b>7,776</b>   | <b>8,517</b>  | <b>9,209</b>  | <b>9,987</b>  | <b>10,657</b> | <b>11,279</b> |
| <b>MEDINA COUNTY</b>                             |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| BENTON CITY WSC                                  | 5,157          | 6,193         | 7,074         | 7,842         | 8,535         | 9,138         |
| DEVINE                                           | 4,559          | 4,780         | 4,968         | 5,132         | 5,280         | 5,409         |
| EAST MEDINA COUNTY SUD                           | 7,719          | 8,873         | 9,854         | 10,710        | 11,482        | 12,153        |
| HONDO                                            | 9,702          | 10,654        | 11,463        | 12,169        | 12,806        | 13,360        |
| LYTLE                                            | 590            | 731           | 851           | 956           | 1,051         | 1,133         |
| NATALIA                                          | 1,638          | 1,857         | 2,043         | 2,206         | 2,352         | 2,480         |
| YANCEY WSC                                       | 1,159          | 1,315         | 1,446         | 1,561         | 1,665         | 1,755         |
| COUNTY-OTHER                                     | 9,511          | 9,986         | 10,738        | 11,330        | 11,816        | 12,172        |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>40,035</b>  | <b>44,389</b> | <b>48,437</b> | <b>51,906</b> | <b>54,987</b> | <b>57,600</b> |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| CASTROVILLE                                      | 2,696          | 2,713         | 2,728         | 2,741         | 2,753         | 2,763         |
| EAST MEDINA COUNTY SUD                           | 696            | 800           | 888           | 965           | 1,035         | 1,096         |
| LACOSTE                                          | 1,281          | 1,452         | 1,598         | 1,725         | 1,839         | 1,939         |
| SAN ANTONIO                                      | 52             | 80            | 104           | 125           | 144           | 160           |
| SAN ANTONIO WATER SYSTEM                         | 2,974          | 4,482         | 5,763         | 6,881         | 7,890         | 8,767         |
| YANCEY WSC                                       | 4,731          | 5,363         | 5,901         | 6,370         | 6,792         | 7,160         |
| COUNTY-OTHER                                     | 188            | 415           | 257           | 183           | 165           | 215           |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>12,618</b>  | <b>15,305</b> | <b>17,239</b> | <b>18,990</b> | <b>20,618</b> | <b>22,100</b> |
| <b>MEDINA COUNTY TOTAL POPULATION</b>            | <b>52,653</b>  | <b>59,694</b> | <b>65,676</b> | <b>70,896</b> | <b>75,605</b> | <b>79,700</b> |
| <b>REFUGIO COUNTY</b>                            |                |               |               |               |               |               |
| SAN ANTONIO BASIN                                |                |               |               |               |               |               |
| COUNTY-OTHER                                     | 67             | 69            | 70            | 71            | 71            | 72            |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>        | <b>67</b>      | <b>69</b>     | <b>70</b>     | <b>71</b>     | <b>71</b>     | <b>72</b>     |
| SAN ANTONIO-NUECES BASIN                         |                |               |               |               |               |               |
| REFUGIO                                          | 3,009          | 3,104         | 3,126         | 3,179         | 3,201         | 3,215         |
| WOODSBORO                                        | 1,575          | 1,624         | 1,636         | 1,663         | 1,675         | 1,682         |
| COUNTY-OTHER                                     | 3,036          | 3,132         | 3,153         | 3,206         | 3,228         | 3,244         |
| <b>SAN ANTONIO-NUECES BASIN TOTAL POPULATION</b> | <b>7,620</b>   | <b>7,860</b>  | <b>7,915</b>  | <b>8,048</b>  | <b>8,104</b>  | <b>8,141</b>  |
| <b>REFUGIO COUNTY TOTAL POPULATION</b>           | <b>7,687</b>   | <b>7,929</b>  | <b>7,985</b>  | <b>8,119</b>  | <b>8,175</b>  | <b>8,213</b>  |
| <b>UVALDE COUNTY</b>                             |                |               |               |               |               |               |
| NUECES BASIN                                     |                |               |               |               |               |               |
| SABINAL                                          | 1,852          | 2,026         | 2,174         | 2,328         | 2,475         | 2,615         |
| UVALDE                                           | 17,208         | 18,819        | 20,199        | 21,628        | 22,992        | 24,299        |
| COUNTY-OTHER                                     | 9,786          | 10,703        | 11,488        | 12,301        | 13,076        | 13,820        |
| <b>NUECES BASIN TOTAL POPULATION</b>             | <b>28,846</b>  | <b>31,548</b> | <b>33,861</b> | <b>36,257</b> | <b>38,543</b> | <b>40,734</b> |
| <b>UVALDE COUNTY TOTAL POPULATION</b>            | <b>28,846</b>  | <b>31,548</b> | <b>33,861</b> | <b>36,257</b> | <b>38,543</b> | <b>40,734</b> |



**WUG POPULATION**

| REGION L                                       | WUG POPULATION |                |                |                |                |                |
|------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                | 2020           | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>VICTORIA COUNTY</b>                         |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                         |                |                |                |                |                |                |
| VICTORIA                                       | 45,688         | 48,862         | 51,359         | 53,584         | 55,410         | 56,923         |
| COUNTY-OTHER                                   | 15,410         | 16,404         | 17,187         | 17,883         | 18,456         | 18,929         |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>        | <b>61,098</b>  | <b>65,266</b>  | <b>68,546</b>  | <b>71,467</b>  | <b>73,866</b>  | <b>75,852</b>  |
| <b>LAVACA BASIN</b>                            |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 43             | 46             | 48             | 50             | 52             | 53             |
| <b>LAVACA BASIN TOTAL POPULATION</b>           | <b>43</b>      | <b>46</b>      | <b>48</b>      | <b>50</b>      | <b>52</b>      | <b>53</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                  |                |                |                |                |                |                |
| VICTORIA                                       | 22,099         | 23,634         | 24,842         | 25,917         | 26,801         | 27,533         |
| COUNTY-OTHER                                   | 10,547         | 11,239         | 11,784         | 12,269         | 12,666         | 12,997         |
| <b>LAVACA-GUADALUPE BASIN TOTAL POPULATION</b> | <b>32,646</b>  | <b>34,873</b>  | <b>36,626</b>  | <b>38,186</b>  | <b>39,467</b>  | <b>40,530</b>  |
| <b>SAN ANTONIO BASIN</b>                       |                |                |                |                |                |                |
| COUNTY-OTHER                                   | 70             | 75             | 78             | 82             | 85             | 87             |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>70</b>      | <b>75</b>      | <b>78</b>      | <b>82</b>      | <b>85</b>      | <b>87</b>      |
| <b>VICTORIA COUNTY TOTAL POPULATION</b>        | <b>93,857</b>  | <b>100,260</b> | <b>105,298</b> | <b>109,785</b> | <b>113,470</b> | <b>116,522</b> |
| <b>WILSON COUNTY</b>                           |                |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                         |                |                |                |                |                |                |
| NIXON                                          | 8              | 10             | 12             | 14             | 16             | 17             |
| SUNKO WSC                                      | 27             | 33             | 39             | 44             | 50             | 54             |
| COUNTY-OTHER                                   | 339            | 418            | 494            | 563            | 626            | 686            |
| <b>GUADALUPE BASIN TOTAL POPULATION</b>        | <b>374</b>     | <b>461</b>     | <b>545</b>     | <b>621</b>     | <b>692</b>     | <b>757</b>     |
| <b>NUECES BASIN</b>                            |                |                |                |                |                |                |
| MCCOY WSC                                      | 346            | 426            | 505            | 574            | 641            | 701            |
| COUNTY-OTHER                                   | 414            | 510            | 602            | 686            | 766            | 836            |
| <b>NUECES BASIN TOTAL POPULATION</b>           | <b>760</b>     | <b>936</b>     | <b>1,107</b>   | <b>1,260</b>   | <b>1,407</b>   | <b>1,537</b>   |
| <b>SAN ANTONIO BASIN</b>                       |                |                |                |                |                |                |
| EAST CENTRAL SUD                               | 1,111          | 1,368          | 1,618          | 1,843          | 2,056          | 2,248          |
| EL OSO WSC                                     | 179            | 221            | 261            | 297            | 332            | 363            |
| ELMENDORF                                      | 15             | 18             | 22             | 25             | 28             | 30             |
| FLORESVILLE                                    | 8,152          | 10,041         | 11,875         | 13,524         | 15,085         | 16,491         |
| LA VERNIA                                      | 1,307          | 1,610          | 1,904          | 2,168          | 2,419          | 2,644          |
| MCCOY WSC                                      | 28             | 34             | 40             | 46             | 51             | 56             |
| OAK HILLS WSC                                  | 5,405          | 6,657          | 7,873          | 8,966          | 10,001         | 10,934         |
| POTH                                           | 2,412          | 2,971          | 3,514          | 4,001          | 4,463          | 4,880          |
| S S WSC                                        | 16,420         | 20,224         | 23,918         | 27,238         | 30,384         | 33,216         |
| STOCKDALE                                      | 1,823          | 2,245          | 2,655          | 3,024          | 3,373          | 3,688          |
| SUNKO WSC                                      | 4,441          | 5,470          | 6,469          | 7,368          | 8,218          | 8,984          |
| COUNTY-OTHER                                   | 11,839         | 14,581         | 17,243         | 19,635         | 21,902         | 23,943         |
| <b>SAN ANTONIO BASIN TOTAL POPULATION</b>      | <b>53,132</b>  | <b>65,440</b>  | <b>77,392</b>  | <b>88,135</b>  | <b>98,312</b>  | <b>107,477</b> |
| <b>WILSON COUNTY TOTAL POPULATION</b>          | <b>54,266</b>  | <b>66,837</b>  | <b>79,044</b>  | <b>90,016</b>  | <b>100,411</b> | <b>109,771</b> |
| <b>ZAVALA COUNTY</b>                           |                |                |                |                |                |                |
| <b>NUECES BASIN</b>                            |                |                |                |                |                |                |
| CRYSTAL CITY                                   | 8,063          | 9,022          | 9,880          | 10,711         | 11,484         | 12,199         |
| ZAVALA COUNTY WCID #1                          | 1,672          | 1,871          | 2,049          | 2,221          | 2,382          | 2,530          |
| COUNTY-OTHER                                   | 3,454          | 3,865          | 4,232          | 4,589          | 4,920          | 5,227          |

**WUG POPULATION**

| <b>REGION L</b>                       | <b>WUG POPULATION</b> |                  |                  |                  |                  |                  |
|---------------------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
|                                       | <b>2020</b>           | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| <b>ZAVALA COUNTY</b>                  |                       |                  |                  |                  |                  |                  |
| <b>NUECES BASIN TOTAL POPULATION</b>  | <b>13,189</b>         | <b>14,758</b>    | <b>16,161</b>    | <b>17,521</b>    | <b>18,786</b>    | <b>19,956</b>    |
| <b>ZAVALA COUNTY TOTAL POPULATION</b> | <b>13,189</b>         | <b>14,758</b>    | <b>16,161</b>    | <b>17,521</b>    | <b>18,786</b>    | <b>19,956</b>    |
|                                       |                       |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL POPULATION</b>      | <b>3,001,465</b>      | <b>3,476,548</b> | <b>3,919,536</b> | <b>4,336,127</b> | <b>4,770,185</b> | <b>5,192,028</b> |

**Region L**  
**TWDB DB17 Water Demand Report**

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>ATASCOSA COUNTY</b>                |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 882                             | 993           | 1,099         | 1,207         | 1,313         | 1,413         |
| CHARLOTTE                             | 344                             | 386           | 425           | 467           | 508           | 547           |
| JOURDANTON                            | 959                             | 1,083         | 1,198         | 1,317         | 1,434         | 1,544         |
| LYTLE                                 | 452                             | 510           | 563           | 618           | 673           | 725           |
| MCCOY WSC                             | 905                             | 1,012         | 1,113         | 1,219         | 1,326         | 1,427         |
| PLEASANTON                            | 2,283                           | 2,582         | 2,859         | 3,143         | 3,423         | 3,685         |
| POTEET                                | 472                             | 523           | 571           | 623           | 678           | 730           |
| SAN ANTONIO WATER SYSTEM              | 716                             | 803           | 885           | 970           | 1,055         | 1,136         |
| COUNTY-OTHER                          | 847                             | 940           | 1,028         | 1,123         | 1,222         | 1,315         |
| MANUFACTURING                         | 12                              | 12            | 12            | 12            | 12            | 12            |
| MINING                                | 4,081                           | 4,043         | 3,935         | 3,212         | 2,478         | 2,043         |
| STEAM ELECTRIC POWER                  | 4,807                           | 6,101         | 5,997         | 7,336         | 7,672         | 7,819         |
| LIVESTOCK                             | 1,509                           | 1,509         | 1,509         | 1,509         | 1,509         | 1,509         |
| IRRIGATION                            | 26,328                          | 25,446        | 24,597        | 23,780        | 22,991        | 22,273        |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>44,597</b>                   | <b>45,943</b> | <b>45,791</b> | <b>46,536</b> | <b>46,294</b> | <b>46,178</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 109                             | 123           | 136           | 150           | 163           | 175           |
| COUNTY-OTHER                          | 75                              | 84            | 91            | 100           | 109           | 117           |
| IRRIGATION                            | 266                             | 257           | 248           | 240           | 232           | 225           |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>450</b>                      | <b>464</b>    | <b>475</b>    | <b>490</b>    | <b>504</b>    | <b>517</b>    |
| <b>ATASCOSA COUNTY TOTAL DEMAND</b>   | <b>45,047</b>                   | <b>46,407</b> | <b>46,266</b> | <b>47,026</b> | <b>46,798</b> | <b>46,695</b> |
| <b>BEXAR COUNTY</b>                   |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| ATASCOSA RURAL WSC                    | 88                              | 103           | 117           | 131           | 145           | 158           |
| LYTLE                                 | 11                              | 15            | 18            | 21            | 23            | 26            |
| COUNTY-OTHER                          | 1,504                           | 1,638         | 1,774         | 1,917         | 2,056         | 2,184         |
| LIVESTOCK                             | 178                             | 178           | 178           | 178           | 178           | 178           |
| IRRIGATION                            | 1,301                           | 1,246         | 1,194         | 1,143         | 1,095         | 1,052         |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>3,082</b>                    | <b>3,180</b>  | <b>3,281</b>  | <b>3,390</b>  | <b>3,497</b>  | <b>3,598</b>  |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| ALAMO HEIGHTS                         | 2,216                           | 2,268         | 2,240         | 2,227         | 2,225         | 2,225         |
| ATASCOSA RURAL WSC                    | 1,508                           | 1,772         | 2,020         | 2,268         | 2,502         | 2,719         |
| BALCONES HEIGHTS                      | 518                             | 566           | 612           | 662           | 711           | 758           |
| CASTLE HILLS                          | 395                             | 375           | 359           | 351           | 350           | 349           |
| CHINA GROVE                           | 316                             | 350           | 381           | 413           | 445           | 474           |
| CONVERSE                              | 2,536                           | 2,744         | 2,930         | 2,905         | 2,898         | 2,897         |
| EAST CENTRAL SUD                      | 1,357                           | 1,461         | 1,561         | 1,671         | 1,784         | 1,890         |
| ELMENDORF                             | 308                             | 394           | 474           | 552           | 625           | 691           |
| FAIR OAKS RANCH                       | 1,311                           | 1,384         | 1,419         | 1,400         | 1,464         | 1,524         |
| GREEN VALLEY SUD                      | 250                             | 265           | 281           | 301           | 323           | 343           |
| HELOTES                               | 1,622                           | 1,998         | 2,349         | 2,690         | 3,005         | 3,295         |
| HILL COUNTRY VILLAGE                  | 234                             | 230           | 226           | 224           | 224           | 224           |
| HOLLYWOOD PARK                        | 949                             | 953           | 959           | 969           | 983           | 997           |
| KIRBY                                 | 942                             | 1,012         | 986           | 977           | 974           | 974           |
| LACKLAND AFB                          | 1,054                           | 1,013         | 981           | 962           | 959           | 959           |
| LEON VALLEY                           | 1,860                           | 1,931         | 2,001         | 2,083         | 2,174         | 2,260         |
| LIVE OAK                              | 2,677                           | 2,687         | 2,648         | 2,626         | 2,621         | 2,621         |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |                |                |                |                |                |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                       | 2020                            | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>BEXAR COUNTY</b>                   |                                 |                |                |                |                |                |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| OLMOS PARK                            | 564                             | 623            | 678            | 736            | 791            | 843            |
| RANDOLPH AFB                          | 97                              | 109            | 121            | 132            | 142            | 151            |
| SAN ANTONIO                           | 235,320                         | 258,645        | 280,772        | 303,790        | 326,624        | 347,849        |
| SAN ANTONIO WATER SYSTEM              | 28,224                          | 30,974         | 33,634         | 36,391         | 39,111         | 41,647         |
| SCHERTZ                               | 240                             | 295            | 369            | 447            | 542            | 629            |
| SELMA                                 | 788                             | 879            | 969            | 1,056          | 1,136          | 1,211          |
| SHAVANO PARK                          | 1,104                           | 1,234          | 1,356          | 1,476          | 1,588          | 1,692          |
| SOMERSET                              | 221                             | 240            | 259            | 279            | 300            | 319            |
| ST. HEDWIG                            | 346                             | 379            | 410            | 443            | 476            | 507            |
| TERRELL HILLS                         | 1,299                           | 1,276          | 1,257          | 1,247          | 1,245          | 1,245          |
| THE OAKS WSC                          | 370                             | 433            | 492            | 551            | 605            | 656            |
| UNIVERSAL CITY                        | 3,195                           | 3,210          | 3,151          | 3,118          | 3,112          | 3,111          |
| VON ORMY                              | 140                             | 153            | 165            | 178            | 191            | 204            |
| WATER SERVICES INC                    | 660                             | 715            | 767            | 826            | 884            | 937            |
| WINDCREST                             | 1,203                           | 1,220          | 1,238          | 1,265          | 1,297          | 1,328          |
| COUNTY-OTHER                          | 3,681                           | 5,299          | 7,215          | 9,503          | 11,548         | 13,422         |
| MANUFACTURING                         | 22,737                          | 25,264         | 27,802         | 30,035         | 32,461         | 35,083         |
| MINING                                | 7,820                           | 8,740          | 9,533          | 10,404         | 11,399         | 12,502         |
| STEAM ELECTRIC POWER                  | 25,215                          | 29,501         | 32,275         | 35,355         | 38,775         | 42,526         |
| LIVESTOCK                             | 980                             | 980            | 980            | 980            | 980            | 980            |
| IRRIGATION                            | 10,325                          | 9,889          | 9,470          | 9,070          | 8,686          | 8,349          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>364,582</b>                  | <b>401,461</b> | <b>435,340</b> | <b>470,563</b> | <b>506,160</b> | <b>540,391</b> |
| <b>BEXAR COUNTY TOTAL DEMAND</b>      | <b>367,664</b>                  | <b>404,641</b> | <b>438,621</b> | <b>473,953</b> | <b>509,657</b> | <b>543,989</b> |
| <b>CALDWELL COUNTY</b>                |                                 |                |                |                |                |                |
| <b>COLORADO BASIN</b>                 |                                 |                |                |                |                |                |
| AQUA WSC                              | 43                              | 51             | 60             | 68             | 77             | 86             |
| CREEDMOOR-MAHA WSC                    | 114                             | 133            | 152            | 172            | 195            | 216            |
| MUSTANG RIDGE                         | 69                              | 82             | 95             | 108            | 122            | 136            |
| POLONIA WSC                           | 282                             | 333            | 386            | 440            | 498            | 554            |
| COUNTY-OTHER                          | 51                              | 60             | 70             | 79             | 90             | 100            |
| MINING                                | 11                              | 9              | 6              | 4              | 2              | 1              |
| LIVESTOCK                             | 71                              | 71             | 71             | 71             | 71             | 71             |
| IRRIGATION                            | 19                              | 17             | 15             | 13             | 12             | 11             |
| <b>COLORADO BASIN TOTAL DEMAND</b>    | <b>660</b>                      | <b>756</b>     | <b>855</b>     | <b>955</b>     | <b>1,067</b>   | <b>1,175</b>   |
| <b>GUADALUPE BASIN</b>                |                                 |                |                |                |                |                |
| AQUA WSC                              | 242                             | 289            | 336            | 385            | 435            | 484            |
| COUNTY LINE WSC                       | 82                              | 97             | 114            | 132            | 149            | 166            |
| CREEDMOOR-MAHA WSC                    | 29                              | 34             | 39             | 45             | 50             | 56             |
| GOFORTH SUD                           | 41                              | 49             | 56             | 64             | 73             | 81             |
| GONZALES COUNTY WSC                   | 58                              | 70             | 83             | 95             | 91             | 102            |
| LOCKHART                              | 2,251                           | 2,676          | 3,105          | 3,547          | 4,010          | 4,465          |
| LULING                                | 950                             | 1,125          | 1,301          | 1,484          | 1,678          | 1,868          |
| MARTINDALE                            | 187                             | 221            | 256            | 292            | 330            | 367            |
| MAXWELL WSC                           | 414                             | 487            | 561            | 638            | 720            | 802            |
| MUSTANG RIDGE                         | 2                               | 2              | 2              | 3              | 3              | 3              |
| NIEDERWALD                            | 16                              | 19             | 22             | 25             | 28             | 31             |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|----------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                              | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>CALDWELL COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| POLONIA WSC                                  | 596                             | 707           | 819           | 935           | 1,055         | 1,175         |
| SAN MARCOS                                   | 2                               | 3             | 4             | 5             | 6             | 7             |
| UHLAND                                       | 79                              | 94            | 110           | 126           | 142           | 158           |
| COUNTY-OTHER                                 | 674                             | 796           | 920           | 1,050         | 1,186         | 1,320         |
| MANUFACTURING                                | 8                               | 9             | 10            | 11            | 12            | 13            |
| MINING                                       | 112                             | 89            | 66            | 42            | 18            | 8             |
| LIVESTOCK                                    | 937                             | 937           | 937           | 937           | 937           | 937           |
| IRRIGATION                                   | 599                             | 532           | 473           | 420           | 372           | 339           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>7,279</b>                    | <b>8,236</b>  | <b>9,214</b>  | <b>10,236</b> | <b>11,295</b> | <b>12,382</b> |
| <b>CALDWELL COUNTY TOTAL DEMAND</b>          | <b>7,939</b>                    | <b>8,992</b>  | <b>10,069</b> | <b>11,191</b> | <b>12,362</b> | <b>13,557</b> |
| <b>CALHOUN COUNTY</b>                        |                                 |               |               |               |               |               |
| <b>COLORADO-LAVACA BASIN</b>                 |                                 |               |               |               |               |               |
| POINT COMFORT                                | 87                              | 92            | 99            | 107           | 115           | 124           |
| COUNTY-OTHER                                 | 94                              | 101           | 110           | 120           | 129           | 138           |
| MANUFACTURING                                | 30,171                          | 32,579        | 34,966        | 37,073        | 39,731        | 42,030        |
| MINING                                       | 26                              | 27            | 20            | 15            | 9             | 6             |
| LIVESTOCK                                    | 66                              | 66            | 66            | 66            | 66            | 66            |
| IRRIGATION                                   | 712                             | 630           | 575           | 536           | 499           | 461           |
| <b>COLORADO-LAVACA BASIN TOTAL DEMAND</b>    | <b>31,156</b>                   | <b>33,495</b> | <b>35,836</b> | <b>37,917</b> | <b>40,549</b> | <b>42,825</b> |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| LIVESTOCK                                    | 2                               | 2             | 2             | 2             | 2             | 2             |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>2</b>                        | <b>2</b>      | <b>2</b>      | <b>2</b>      | <b>2</b>      | <b>2</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| CALHOUN COUNTY WS                            | 356                             | 376           | 398           | 425           | 457           | 490           |
| PORT LAVACA                                  | 1,927                           | 2,080         | 2,237         | 2,408         | 2,598         | 2,786         |
| PORT O'CONNOR MUD                            | 110                             | 116           | 123           | 132           | 142           | 152           |
| SEADRIFT                                     | 256                             | 278           | 300           | 324           | 349           | 374           |
| COUNTY-OTHER                                 | 141                             | 152           | 167           | 180           | 195           | 210           |
| MANUFACTURING                                | 24,686                          | 26,656        | 28,609        | 30,333        | 32,507        | 34,389        |
| MINING                                       | 26                              | 28            | 21            | 15            | 10            | 6             |
| LIVESTOCK                                    | 260                             | 260           | 260           | 260           | 260           | 260           |
| IRRIGATION                                   | 12,748                          | 11,294        | 10,309        | 9,603         | 8,945         | 8,257         |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b>   | <b>40,510</b>                   | <b>41,240</b> | <b>42,424</b> | <b>43,680</b> | <b>45,463</b> | <b>46,924</b> |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 9                               | 9             | 11            | 12            | 13            | 13            |
| LIVESTOCK                                    | 16                              | 16            | 16            | 16            | 16            | 16            |
| IRRIGATION                                   | 12                              | 11            | 10            | 9             | 9             | 8             |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>37</b>                       | <b>36</b>     | <b>37</b>     | <b>37</b>     | <b>38</b>     | <b>37</b>     |
| <b>CALHOUN COUNTY TOTAL DEMAND</b>           | <b>71,705</b>                   | <b>74,773</b> | <b>78,299</b> | <b>81,636</b> | <b>86,052</b> | <b>89,788</b> |
| <b>COMAL COUNTY</b>                          |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| BULVERDE                                     | 9                               | 10            | 11            | 13            | 14            | 15            |
| CANYON LAKE WATER SERVICE COMPANY            | 3,112                           | 4,314         | 5,554         | 6,812         | 8,067         | 9,275         |
| CRYSTAL CLEAR WSC                            | 301                             | 336           | 374           | 415           | 458           | 500           |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>COMAL COUNTY</b>                   |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| GARDEN RIDGE                          | 1,062                           | 1,430         | 1,806         | 2,188         | 2,570         | 2,936         |
| GREEN VALLEY SUD                      | 28                              | 34            | 39            | 45            | 52            | 58            |
| NEW BRAUNFELS                         | 12,380                          | 15,203        | 18,118        | 21,108        | 24,127        | 27,039        |
| SAN ANTONIO WATER SYSTEM              | 661                             | 956           | 1,254         | 1,558         | 1,866         | 2,157         |
| SCHERTZ                               | 247                             | 394           | 587           | 813           | 1,094         | 1,379         |
| COUNTY-OTHER                          | 3,955                           | 3,917         | 3,843         | 3,812         | 3,741         | 3,694         |
| MANUFACTURING                         | 8,477                           | 9,221         | 9,945         | 10,565        | 11,437        | 12,382        |
| MINING                                | 8,256                           | 9,596         | 10,886        | 12,012        | 13,423        | 15,003        |
| LIVESTOCK                             | 240                             | 240           | 240           | 240           | 240           | 240           |
| IRRIGATION                            | 386                             | 351           | 316           | 281           | 247           | 227           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>39,114</b>                   | <b>46,002</b> | <b>52,973</b> | <b>59,862</b> | <b>67,336</b> | <b>74,905</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| BULVERDE                              | 794                             | 929           | 1,070         | 1,215         | 1,363         | 1,506         |
| CANYON LAKE WATER SERVICE COMPANY     | 771                             | 1,068         | 1,375         | 1,686         | 1,996         | 2,295         |
| FAIR OAKS RANCH                       | 106                             | 125           | 140           | 150           | 168           | 186           |
| GARDEN RIDGE                          | 600                             | 808           | 1,021         | 1,237         | 1,452         | 1,660         |
| SAN ANTONIO WATER SYSTEM              | 566                             | 821           | 1,076         | 1,335         | 1,600         | 1,863         |
| SCHERTZ                               | 6                               | 10            | 15            | 20            | 27            | 34            |
| SELMA                                 | 3                               | 4             | 5             | 6             | 6             | 7             |
| COUNTY-OTHER                          | 209                             | 238           | 280           | 291           | 317           | 313           |
| MANUFACTURING                         | 86                              | 93            | 100           | 107           | 116           | 125           |
| MINING                                | 344                             | 400           | 454           | 501           | 559           | 625           |
| LIVESTOCK                             | 18                              | 18            | 18            | 18            | 18            | 18            |
| IRRIGATION                            | 43                              | 39            | 35            | 31            | 28            | 25            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>3,546</b>                    | <b>4,553</b>  | <b>5,589</b>  | <b>6,597</b>  | <b>7,650</b>  | <b>8,657</b>  |
| <b>COMAL COUNTY TOTAL DEMAND</b>      | <b>42,660</b>                   | <b>50,555</b> | <b>58,562</b> | <b>66,459</b> | <b>74,986</b> | <b>83,562</b> |
| <b>DEWITT COUNTY</b>                  |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| CUERO                                 | 2,195                           | 2,229         | 2,232         | 2,248         | 1,942         | 1,955         |
| GONZALES COUNTY WSC                   | 113                             | 115           | 117           | 118           | 102           | 102           |
| YORKTOWN                              | 447                             | 448           | 446           | 449           | 388           | 390           |
| COUNTY-OTHER                          | 1,139                           | 1,138         | 1,126         | 1,125         | 970           | 976           |
| MANUFACTURING                         | 330                             | 352           | 373           | 391           | 421           | 454           |
| MINING                                | 2,405                           | 2,259         | 1,668         | 1,081         | 494           | 229           |
| LIVESTOCK                             | 1,517                           | 1,517         | 1,517         | 1,517         | 1,517         | 1,517         |
| IRRIGATION                            | 520                             | 520           | 520           | 520           | 520           | 520           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>8,666</b>                    | <b>8,578</b>  | <b>7,999</b>  | <b>7,449</b>  | <b>6,354</b>  | <b>6,143</b>  |
| <b>LAVACA BASIN</b>                   |                                 |               |               |               |               |               |
| YOAKUM                                | 455                             | 458           | 455           | 456           | 402           | 404           |
| COUNTY-OTHER                          | 203                             | 203           | 200           | 200           | 173           | 174           |
| MANUFACTURING                         | 220                             | 234           | 249           | 261           | 281           | 302           |
| MINING                                | 506                             | 476           | 351           | 228           | 104           | 48            |
| LIVESTOCK                             | 309                             | 309           | 309           | 309           | 309           | 309           |
| IRRIGATION                            | 846                             | 846           | 846           | 846           | 846           | 846           |
| <b>LAVACA BASIN TOTAL DEMAND</b>      | <b>2,539</b>                    | <b>2,526</b>  | <b>2,410</b>  | <b>2,300</b>  | <b>2,115</b>  | <b>2,083</b>  |
| <b>LAVACA-GUADALUPE BASIN</b>         |                                 |               |               |               |               |               |
| COUNTY-OTHER                          | 2                               | 2             | 2             | 2             | 2             | 2             |

**WUG DEMAND**

| REGION L                                   | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|--------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                            | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>DEWITT COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>LAVACA-GUADALUPE BASIN</b>              |                                 |               |               |               |               |               |
| LIVESTOCK                                  | 18                              | 18            | 18            | 18            | 18            | 18            |
| IRRIGATION                                 | 15                              | 15            | 15            | 15            | 15            | 15            |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b> | <b>35</b>                       | <b>35</b>     | <b>35</b>     | <b>35</b>     | <b>35</b>     | <b>35</b>     |
| <b>SAN ANTONIO BASIN</b>                   |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 88                              | 88            | 87            | 87            | 75            | 76            |
| MINING                                     | 254                             | 238           | 176           | 113           | 52            | 24            |
| LIVESTOCK                                  | 150                             | 150           | 150           | 150           | 150           | 150           |
| IRRIGATION                                 | 104                             | 104           | 104           | 104           | 104           | 104           |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>      | <b>596</b>                      | <b>580</b>    | <b>517</b>    | <b>454</b>    | <b>381</b>    | <b>354</b>    |
| <b>DEWITT COUNTY TOTAL DEMAND</b>          | <b>11,836</b>                   | <b>11,719</b> | <b>10,961</b> | <b>10,238</b> | <b>8,885</b>  | <b>8,615</b>  |
| <b>DIMMIT COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                        |                                 |               |               |               |               |               |
| ASHERTON                                   | 341                             | 359           | 374           | 390           | 280           | 287           |
| BIG WELLS                                  | 174                             | 181           | 185           | 192           | 138           | 141           |
| CARRIZO SPRINGS                            | 2,270                           | 2,402         | 2,479         | 2,581         | 1,856         | 1,903         |
| COUNTY-OTHER                               | 607                             | 636           | 649           | 671           | 481           | 494           |
| MINING                                     | 4,265                           | 4,336         | 3,760         | 2,448         | 1,140         | 531           |
| LIVESTOCK                                  | 439                             | 439           | 439           | 439           | 439           | 439           |
| IRRIGATION                                 | 5,020                           | 4,968         | 4,768         | 4,563         | 4,366         | 4,232         |
| <b>NUECES BASIN TOTAL DEMAND</b>           | <b>13,116</b>                   | <b>13,321</b> | <b>12,654</b> | <b>11,284</b> | <b>8,700</b>  | <b>8,027</b>  |
| <b>RIO GRANDE BASIN</b>                    |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 4                               | 4             | 5             | 5             | 4             | 4             |
| MINING                                     | 654                             | 665           | 577           | 376           | 175           | 81            |
| LIVESTOCK                                  | 49                              | 49            | 49            | 49            | 49            | 49            |
| IRRIGATION                                 | 755                             | 747           | 717           | 686           | 657           | 637           |
| <b>RIO GRANDE BASIN TOTAL DEMAND</b>       | <b>1,462</b>                    | <b>1,465</b>  | <b>1,348</b>  | <b>1,116</b>  | <b>885</b>    | <b>771</b>    |
| <b>DIMMIT COUNTY TOTAL DEMAND</b>          | <b>14,578</b>                   | <b>14,786</b> | <b>14,002</b> | <b>12,400</b> | <b>9,585</b>  | <b>8,798</b>  |
| <b>FRIO COUNTY</b>                         |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                        |                                 |               |               |               |               |               |
| BENTON CITY WSC                            | 62                              | 67            | 71            | 76            | 80            | 84            |
| DILLEY                                     | 1,025                           | 1,110         | 1,185         | 1,263         | 1,337         | 1,405         |
| PEARSALL                                   | 2,021                           | 2,181         | 2,323         | 2,472         | 2,616         | 2,750         |
| COUNTY-OTHER                               | 528                             | 559           | 602           | 643           | 680           | 715           |
| MINING                                     | 1,217                           | 1,250         | 1,178         | 986           | 620           | 390           |
| STEAM ELECTRIC POWER                       | 555                             | 417           | 398           | 158           | 189           | 163           |
| LIVESTOCK                                  | 994                             | 994           | 994           | 994           | 994           | 994           |
| IRRIGATION                                 | 70,831                          | 68,327        | 65,932        | 63,638        | 61,423        | 59,412        |
| <b>NUECES BASIN TOTAL DEMAND</b>           | <b>77,233</b>                   | <b>74,905</b> | <b>72,683</b> | <b>70,230</b> | <b>67,939</b> | <b>65,913</b> |
| <b>FRIO COUNTY TOTAL DEMAND</b>            | <b>77,233</b>                   | <b>74,905</b> | <b>72,683</b> | <b>70,230</b> | <b>67,939</b> | <b>65,913</b> |
| <b>GOLIAD COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                     |                                 |               |               |               |               |               |
| COUNTY-OTHER                               | 502                             | 547           | 575           | 585           | 436           | 441           |
| MINING                                     | 126                             | 126           | 126           | 126           | 126           | 126           |
| STEAM ELECTRIC POWER                       | 17,080                          | 17,080        | 17,080        | 17,080        | 17,080        | 17,080        |
| LIVESTOCK                                  | 262                             | 262           | 262           | 262           | 262           | 262           |
| IRRIGATION                                 | 575                             | 575           | 575           | 575           | 575           | 575           |



**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|----------------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                              | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>GOLIAD COUNTY</b>                         |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>18,545</b>                   | <b>18,590</b> | <b>18,618</b> | <b>18,628</b> | <b>18,479</b> | <b>18,484</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                 |               |               |               |               |               |
| GOLIAD                                       | 611                             | 674           | 713           | 729           | 544           | 551           |
| COUNTY-OTHER                                 | 421                             | 458           | 482           | 490           | 365           | 370           |
| MANUFACTURING                                | 34                              | 51            | 68            | 85            | 102           | 122           |
| MINING                                       | 275                             | 275           | 275           | 275           | 275           | 275           |
| LIVESTOCK                                    | 448                             | 448           | 448           | 448           | 448           | 448           |
| IRRIGATION                                   | 2,209                           | 2,209         | 2,209         | 2,209         | 2,209         | 2,209         |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>3,998</b>                    | <b>4,115</b>  | <b>4,195</b>  | <b>4,236</b>  | <b>3,943</b>  | <b>3,975</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 112                             | 123           | 129           | 131           | 99            | 99            |
| MINING                                       | 49                              | 49            | 49            | 49            | 49            | 49            |
| LIVESTOCK                                    | 418                             | 418           | 418           | 418           | 418           | 418           |
| IRRIGATION                                   | 416                             | 416           | 416           | 416           | 416           | 416           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>995</b>                      | <b>1,006</b>  | <b>1,012</b>  | <b>1,014</b>  | <b>982</b>    | <b>982</b>    |
| <b>GOLIAD COUNTY TOTAL DEMAND</b>            | <b>23,538</b>                   | <b>23,711</b> | <b>23,825</b> | <b>23,878</b> | <b>23,404</b> | <b>23,441</b> |
| <b>GONZALES COUNTY</b>                       |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| GONZALES                                     | 2,200                           | 2,375         | 2,545         | 2,759         | 2,677         | 2,895         |
| GONZALES COUNTY WSC                          | 1,989                           | 2,153         | 2,340         | 2,534         | 2,337         | 2,528         |
| NIXON                                        | 433                             | 462           | 491           | 529           | 538           | 582           |
| SMILEY                                       | 136                             | 146           | 156           | 170           | 164           | 177           |
| WAELDER                                      | 224                             | 241           | 258           | 279           | 270           | 292           |
| COUNTY-OTHER                                 | 402                             | 420           | 454           | 494           | 463           | 502           |
| MANUFACTURING                                | 1,671                           | 1,794         | 1,914         | 2,020         | 2,163         | 2,316         |
| MINING                                       | 1,600                           | 1,207         | 813           | 418           | 24            | 1             |
| LIVESTOCK                                    | 4,629                           | 4,629         | 4,629         | 4,629         | 4,629         | 4,629         |
| IRRIGATION                                   | 2,413                           | 2,080         | 1,792         | 1,545         | 1,333         | 1,193         |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>15,697</b>                   | <b>15,507</b> | <b>15,392</b> | <b>15,377</b> | <b>14,598</b> | <b>15,115</b> |
| <b>LAVACA BASIN</b>                          |                                 |               |               |               |               |               |
| COUNTY-OTHER                                 | 20                              | 21            | 23            | 24            | 24            | 25            |
| LIVESTOCK                                    | 107                             | 107           | 107           | 107           | 107           | 107           |
| <b>LAVACA BASIN TOTAL DEMAND</b>             | <b>127</b>                      | <b>128</b>    | <b>130</b>    | <b>131</b>    | <b>131</b>    | <b>132</b>    |
| <b>GONZALES COUNTY TOTAL DEMAND</b>          | <b>15,824</b>                   | <b>15,635</b> | <b>15,522</b> | <b>15,508</b> | <b>14,729</b> | <b>15,247</b> |
| <b>GUADALUPE COUNTY</b>                      |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |               |               |               |
| CRYSTAL CLEAR WSC                            | 1,612                           | 1,883         | 2,167         | 2,457         | 2,766         | 3,071         |
| GONZALES COUNTY WSC                          | 32                              | 38            | 45            | 51            | 49            | 54            |
| GREEN VALLEY SUD                             | 892                             | 1,004         | 1,128         | 1,265         | 1,421         | 1,577         |
| LULING                                       | 4                               | 4             | 5             | 6             | 6             | 7             |
| NEW BRAUNFELS                                | 2,528                           | 2,987         | 3,468         | 3,949         | 4,447         | 4,940         |
| SANTA CLARA                                  | 15                              | 17            | 20            | 23            | 25            | 28            |
| SCHERTZ                                      | 478                             | 626           | 731           | 835           | 942           | 1,047         |
| SEGUIN                                       | 4,707                           | 5,494         | 6,326         | 7,175         | 8,077         | 8,970         |
| SPRINGS HILL WSC                             | 1,249                           | 1,428         | 1,626         | 1,833         | 2,059         | 2,286         |
| COUNTY-OTHER                                 | 640                             | 693           | 871           | 1,048         | 1,229         | 1,408         |
| MANUFACTURING                                | 2,994                           | 3,290         | 3,574         | 3,819         | 4,149         | 4,507         |
| MINING                                       | 342                             | 412           | 479           | 566           | 663           | 782           |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>GUADALUPE COUNTY</b>               |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| STEAM ELECTRIC POWER                  | 5,984                           | 4,941         | 5,136         | 5,585         | 7,515         | 8,371         |
| LIVESTOCK                             | 941                             | 941           | 941           | 941           | 941           | 941           |
| IRRIGATION                            | 339                             | 300           | 263           | 252           | 250           | 233           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>22,757</b>                   | <b>24,058</b> | <b>26,780</b> | <b>29,805</b> | <b>34,539</b> | <b>38,222</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| CIBOLO                                | 5,343                           | 7,823         | 9,148         | 10,447        | 11,773        | 13,075        |
| EAST CENTRAL SUD                      | 97                              | 113           | 129           | 145           | 164           | 182           |
| GREEN VALLEY SUD                      | 651                             | 733           | 824           | 924           | 1,038         | 1,152         |
| MARION                                | 164                             | 189           | 216           | 245           | 275           | 305           |
| NEW BERLIN                            | 102                             | 120           | 140           | 159           | 179           | 198           |
| SANTA CLARA                           | 90                              | 105           | 121           | 136           | 154           | 171           |
| SCHERTZ                               | 5,970                           | 7,828         | 9,136         | 10,438        | 11,779        | 13,099        |
| SELMA                                 | 376                             | 816           | 813           | 812           | 811           | 810           |
| SPRINGS HILL WSC                      | 168                             | 193           | 219           | 247           | 278           | 308           |
| WATER SERVICES INC                    | 40                              | 47            | 53            | 61            | 68            | 76            |
| COUNTY-OTHER                          | 427                             | 298           | 374           | 450           | 526           | 603           |
| MANUFACTURING                         | 9                               | 10            | 11            | 11            | 12            | 14            |
| MINING                                | 114                             | 138           | 160           | 189           | 221           | 261           |
| LIVESTOCK                             | 105                             | 105           | 105           | 105           | 105           | 105           |
| IRRIGATION                            | 74                              | 66            | 58            | 55            | 55            | 51            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>13,730</b>                   | <b>18,584</b> | <b>21,507</b> | <b>24,424</b> | <b>27,438</b> | <b>30,410</b> |
| <b>GUADALUPE COUNTY TOTAL DEMAND</b>  | <b>36,487</b>                   | <b>42,642</b> | <b>48,287</b> | <b>54,229</b> | <b>61,977</b> | <b>68,632</b> |
| <b>HAYS COUNTY</b>                    |                                 |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                |                                 |               |               |               |               |               |
| BUDA                                  | 299                             | 388           | 499           | 639           | 798           | 979           |
| COUNTY LINE WSC                       | 181                             | 231           | 298           | 383           | 478           | 587           |
| CREEDMOOR-MAHA WSC                    | 10                              | 12            | 15            | 19            | 23            | 28            |
| CRYSTAL CLEAR WSC                     | 632                             | 717           | 827           | 973           | 1,143         | 1,338         |
| GOFORTH SUD                           | 1,384                           | 1,753         | 2,220         | 2,818         | 3,504         | 4,287         |
| KYLE                                  | 5,156                           | 7,680         | 9,133         | 9,119         | 9,108         | 9,104         |
| MAXWELL WSC                           | 117                             | 122           | 131           | 144           | 160           | 179           |
| MOUNTAIN CITY                         | 24                              | 30            | 38            | 48            | 60            | 73            |
| NIEDERWALD                            | 59                              | 75            | 96            | 122           | 151           | 185           |
| PLUM CREEK WATER COMPANY              | 736                             | 1,068         | 1,048         | 1,032         | 1,019         | 1,009         |
| SAN MARCOS                            | 11,934                          | 13,941        | 16,430        | 19,485        | 23,205        | 27,655        |
| UHLAND                                | 99                              | 133           | 175           | 229           | 290           | 360           |
| WIMBERLEY                             | 626                             | 800           | 1,018         | 1,300         | 1,622         | 1,990         |
| WIMBERLEY WSC                         | 450                             | 657           | 919           | 1,247         | 1,617         | 2,039         |
| WOODCREEK                             | 282                             | 311           | 349           | 399           | 458           | 525           |
| COUNTY-OTHER                          | 2,064                           | 2,284         | 4,564         | 6,274         | 11,819        | 17,977        |
| MANUFACTURING                         | 107                             | 122           | 138           | 152           | 165           | 179           |
| STEAM ELECTRIC POWER                  | 730                             | 965           | 1,982         | 2,708         | 3,688         | 5,023         |
| LIVESTOCK                             | 410                             | 410           | 410           | 410           | 410           | 410           |
| IRRIGATION                            | 650                             | 644           | 638           | 632           | 626           | 620           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>25,950</b>                   | <b>32,343</b> | <b>40,928</b> | <b>48,133</b> | <b>60,344</b> | <b>74,547</b> |
| <b>HAYS COUNTY TOTAL DEMAND</b>       | <b>25,950</b>                   | <b>32,343</b> | <b>40,928</b> | <b>48,133</b> | <b>60,344</b> | <b>74,547</b> |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |              |              |              |              |              |
|----------------------------------------------|---------------------------------|--------------|--------------|--------------|--------------|--------------|
|                                              | 2020                            | 2030         | 2040         | 2050         | 2060         | 2070         |
| <b>KARNES COUNTY</b>                         |                                 |              |              |              |              |              |
| <b>GUADALUPE BASIN</b>                       |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 7                               | 7            | 7            | 7            | 7            | 7            |
| COUNTY-OTHER                                 | 14                              | 14           | 14           | 14           | 13           | 13           |
| MINING                                       | 152                             | 115          | 77           | 40           | 2            | 0            |
| LIVESTOCK                                    | 41                              | 41           | 41           | 41           | 41           | 41           |
| IRRIGATION                                   | 27                              | 25           | 22           | 20           | 18           | 17           |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>241</b>                      | <b>202</b>   | <b>161</b>   | <b>122</b>   | <b>81</b>    | <b>78</b>    |
| <b>NUECES BASIN</b>                          |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 20                              | 20           | 19           | 19           | 18           | 18           |
| COUNTY-OTHER                                 | 11                              | 11           | 11           | 11           | 11           | 11           |
| MINING                                       | 253                             | 192          | 129          | 66           | 4            | 0            |
| LIVESTOCK                                    | 64                              | 64           | 64           | 64           | 64           | 64           |
| IRRIGATION                                   | 42                              | 38           | 35           | 31           | 28           | 26           |
| <b>NUECES BASIN TOTAL DEMAND</b>             | <b>390</b>                      | <b>325</b>   | <b>258</b>   | <b>191</b>   | <b>125</b>   | <b>119</b>   |
| <b>SAN ANTONIO BASIN</b>                     |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 563                             | 568          | 559          | 553          | 524          | 524          |
| FALLS CITY                                   | 147                             | 148          | 146          | 145          | 141          | 141          |
| KARNES CITY                                  | 625                             | 628          | 617          | 611          | 580          | 580          |
| KENEDY                                       | 1,421                           | 1,446        | 1,435        | 1,432        | 1,362        | 1,362        |
| RUNGE                                        | 231                             | 232          | 228          | 227          | 216          | 216          |
| SUNKO WSC                                    | 34                              | 35           | 35           | 33           | 31           | 31           |
| COUNTY-OTHER                                 | 591                             | 598          | 592          | 588          | 557          | 557          |
| MANUFACTURING                                | 171                             | 175          | 179          | 182          | 192          | 203          |
| MINING                                       | 2,022                           | 1,535        | 1,030        | 530          | 28           | 2            |
| LIVESTOCK                                    | 1,039                           | 1,039        | 1,039        | 1,039        | 1,039        | 1,039        |
| IRRIGATION                                   | 570                             | 516          | 466          | 422          | 381          | 350          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>7,414</b>                    | <b>6,920</b> | <b>6,326</b> | <b>5,762</b> | <b>5,051</b> | <b>5,005</b> |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |              |              |              |              |              |
| EL OSO WSC                                   | 5                               | 5            | 5            | 5            | 5            | 5            |
| COUNTY-OTHER                                 | 6                               | 6            | 6            | 6            | 6            | 6            |
| MINING                                       | 101                             | 77           | 52           | 26           | 1            | 0            |
| LIVESTOCK                                    | 24                              | 24           | 24           | 24           | 24           | 24           |
| IRRIGATION                                   | 16                              | 14           | 13           | 12           | 11           | 10           |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>152</b>                      | <b>126</b>   | <b>100</b>   | <b>73</b>    | <b>47</b>    | <b>45</b>    |
| <b>KARNES COUNTY TOTAL DEMAND</b>            | <b>8,197</b>                    | <b>7,573</b> | <b>6,845</b> | <b>6,148</b> | <b>5,304</b> | <b>5,247</b> |
| <b>KENDALL COUNTY</b>                        |                                 |              |              |              |              |              |
| <b>COLORADO BASIN</b>                        |                                 |              |              |              |              |              |
| COUNTY-OTHER                                 | 41                              | 48           | 57           | 66           | 75           | 85           |
| LIVESTOCK                                    | 13                              | 13           | 13           | 13           | 13           | 13           |
| <b>COLORADO BASIN TOTAL DEMAND</b>           | <b>54</b>                       | <b>61</b>    | <b>70</b>    | <b>79</b>    | <b>88</b>    | <b>98</b>    |
| <b>GUADALUPE BASIN</b>                       |                                 |              |              |              |              |              |
| KENDALL COUNTY WCID #1                       | 303                             | 341          | 384          | 430          | 481          | 531          |
| COUNTY-OTHER                                 | 1,587                           | 1,925        | 2,289        | 2,662        | 3,058        | 3,450        |
| LIVESTOCK                                    | 316                             | 316          | 316          | 316          | 316          | 316          |
| IRRIGATION                                   | 305                             | 299          | 292          | 287          | 282          | 276          |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>2,511</b>                    | <b>2,881</b> | <b>3,281</b> | <b>3,695</b> | <b>4,137</b> | <b>4,573</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                 |              |              |              |              |              |
| BOERNE                                       | 3,091                           | 3,985        | 4,942        | 5,900        | 6,889        | 7,863        |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |               |               |               |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                       | 2020                            | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>KENDALL COUNTY</b>                 |                                 |               |               |               |               |               |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| FAIR OAKS RANCH                       | 656                             | 898           | 1,125         | 1,290         | 1,531         | 1,768         |
| WATER SERVICES INC                    | 46                              | 54            | 64            | 74            | 85            | 95            |
| COUNTY-OTHER                          | 1,042                           | 1,084         | 1,153         | 1,257         | 1,341         | 1,424         |
| LIVESTOCK                             | 66                              | 66            | 66            | 66            | 66            | 66            |
| IRRIGATION                            | 70                              | 68            | 67            | 65            | 64            | 63            |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>4,971</b>                    | <b>6,155</b>  | <b>7,417</b>  | <b>8,652</b>  | <b>9,976</b>  | <b>11,279</b> |
| <b>KENDALL COUNTY TOTAL DEMAND</b>    | <b>7,536</b>                    | <b>9,097</b>  | <b>10,768</b> | <b>12,426</b> | <b>14,201</b> | <b>15,950</b> |
| <b>LA SALLE COUNTY</b>                |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| COTULLA                               | 1,868                           | 2,016         | 2,155         | 2,323         | 1,680         | 1,777         |
| ENCINAL                               | 213                             | 228           | 243           | 263           | 191           | 201           |
| COUNTY-OTHER                          | 522                             | 556           | 590           | 633           | 458           | 484           |
| MINING                                | 4,617                           | 4,772         | 4,263         | 2,819         | 1,380         | 676           |
| LIVESTOCK                             | 610                             | 610           | 610           | 610           | 610           | 610           |
| IRRIGATION                            | 4,636                           | 4,493         | 4,354         | 4,220         | 4,090         | 3,971         |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>12,466</b>                   | <b>12,675</b> | <b>12,215</b> | <b>10,868</b> | <b>8,409</b>  | <b>7,719</b>  |
| <b>LA SALLE COUNTY TOTAL DEMAND</b>   | <b>12,466</b>                   | <b>12,675</b> | <b>12,215</b> | <b>10,868</b> | <b>8,409</b>  | <b>7,719</b>  |
| <b>MEDINA COUNTY</b>                  |                                 |               |               |               |               |               |
| <b>NUECES BASIN</b>                   |                                 |               |               |               |               |               |
| BENTON CITY WSC                       | 558                             | 653           | 735           | 809           | 878           | 939           |
| DEVINE                                | 668                             | 678           | 687           | 701           | 719           | 736           |
| EAST MEDINA COUNTY SUD                | 690                             | 758           | 819           | 877           | 936           | 990           |
| HONDO                                 | 2,053                           | 2,210         | 2,346         | 2,473         | 2,598         | 2,710         |
| LYTLE                                 | 114                             | 138           | 158           | 176           | 194           | 209           |
| NATALIA                               | 281                             | 309           | 333           | 356           | 379           | 400           |
| YANCEY WSC                            | 130                             | 144           | 155           | 166           | 176           | 186           |
| COUNTY-OTHER                          | 1,232                           | 1,258         | 1,327         | 1,386         | 1,441         | 1,484         |
| MANUFACTURING                         | 41                              | 44            | 48            | 51            | 55            | 60            |
| MINING                                | 1,388                           | 1,543         | 1,673         | 1,805         | 1,972         | 2,154         |
| LIVESTOCK                             | 1,042                           | 1,042         | 1,042         | 1,042         | 1,042         | 1,042         |
| IRRIGATION                            | 49,596                          | 47,529        | 45,550        | 43,653        | 41,836        | 40,232        |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>57,793</b>                   | <b>56,306</b> | <b>54,873</b> | <b>53,495</b> | <b>52,226</b> | <b>51,142</b> |
| <b>SAN ANTONIO BASIN</b>              |                                 |               |               |               |               |               |
| CASTROVILLE                           | 794                             | 787           | 780           | 778           | 781           | 784           |
| EAST MEDINA COUNTY SUD                | 63                              | 69            | 74            | 79            | 85            | 90            |
| LACOSTE                               | 127                             | 137           | 145           | 154           | 164           | 173           |
| SAN ANTONIO                           | 9                               | 12            | 16            | 19            | 21            | 24            |
| SAN ANTONIO WATER SYSTEM              | 369                             | 540           | 681           | 806           | 922           | 1,023         |
| YANCEY WSC                            | 530                             | 583           | 631           | 674           | 717           | 755           |
| COUNTY-OTHER                          | 25                              | 53            | 32            | 23            | 21            | 27            |
| MANUFACTURING                         | 7                               | 8             | 8             | 9             | 10            | 10            |
| MINING                                | 463                             | 514           | 558           | 602           | 657           | 718           |
| LIVESTOCK                             | 123                             | 123           | 123           | 123           | 123           | 123           |
| IRRIGATION                            | 7,868                           | 7,541         | 7,226         | 6,926         | 6,637         | 6,383         |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>10,378</b>                   | <b>10,367</b> | <b>10,274</b> | <b>10,193</b> | <b>10,138</b> | <b>10,110</b> |
| <b>MEDINA COUNTY TOTAL DEMAND</b>     | <b>68,171</b>                   | <b>66,673</b> | <b>65,147</b> | <b>63,688</b> | <b>62,364</b> | <b>61,252</b> |

**WUG DEMAND**

| REGION L                                     | WUG DEMAND (ACRE-FEET PER YEAR) |               |               |                |                |                |
|----------------------------------------------|---------------------------------|---------------|---------------|----------------|----------------|----------------|
|                                              | 2020                            | 2030          | 2040          | 2050           | 2060           | 2070           |
| <b>REFUGIO COUNTY</b>                        |                                 |               |               |                |                |                |
| <b>SAN ANTONIO BASIN</b>                     |                                 |               |               |                |                |                |
| COUNTY-OTHER                                 | 11                              | 11            | 10            | 10             | 8              | 8              |
| MINING                                       | 3                               | 3             | 3             | 2              | 1              | 1              |
| LIVESTOCK                                    | 32                              | 32            | 32            | 32             | 32             | 32             |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b>        | <b>46</b>                       | <b>46</b>     | <b>45</b>     | <b>44</b>      | <b>41</b>      | <b>41</b>      |
| <b>SAN ANTONIO-NUECES BASIN</b>              |                                 |               |               |                |                |                |
| REFUGIO                                      | 803                             | 808           | 797           | 805            | 578            | 580            |
| WOODSBORO                                    | 361                             | 361           | 354           | 360            | 258            | 259            |
| COUNTY-OTHER                                 | 507                             | 501           | 488           | 490            | 351            | 352            |
| MINING                                       | 63                              | 66            | 48            | 36             | 23             | 14             |
| LIVESTOCK                                    | 604                             | 604           | 604           | 604            | 604            | 604            |
| IRRIGATION                                   | 652                             | 652           | 652           | 652            | 652            | 652            |
| <b>SAN ANTONIO-NUECES BASIN TOTAL DEMAND</b> | <b>2,990</b>                    | <b>2,992</b>  | <b>2,943</b>  | <b>2,947</b>   | <b>2,466</b>   | <b>2,461</b>   |
| <b>REFUGIO COUNTY TOTAL DEMAND</b>           | <b>3,036</b>                    | <b>3,038</b>  | <b>2,988</b>  | <b>2,991</b>   | <b>2,507</b>   | <b>2,502</b>   |
| <b>UVALDE COUNTY</b>                         |                                 |               |               |                |                |                |
| <b>NUECES BASIN</b>                          |                                 |               |               |                |                |                |
| SABINAL                                      | 445                             | 477           | 505           | 536            | 569            | 601            |
| UVALDE                                       | 4,052                           | 4,342         | 4,593         | 4,881          | 5,181          | 5,474          |
| COUNTY-OTHER                                 | 1,395                           | 1,476         | 1,546         | 1,635          | 1,734          | 1,831          |
| MANUFACTURING                                | 289                             | 300           | 311           | 321            | 342            | 364            |
| MINING                                       | 2,661                           | 2,916         | 3,037         | 3,279          | 3,564          | 3,874          |
| LIVESTOCK                                    | 1,031                           | 1,031         | 1,031         | 1,031          | 1,031          | 1,031          |
| IRRIGATION                                   | 65,722                          | 63,152        | 60,682        | 58,310         | 56,030         | 54,004         |
| <b>NUECES BASIN TOTAL DEMAND</b>             | <b>75,595</b>                   | <b>73,694</b> | <b>71,705</b> | <b>69,993</b>  | <b>68,451</b>  | <b>67,179</b>  |
| <b>UVALDE COUNTY TOTAL DEMAND</b>            | <b>75,595</b>                   | <b>73,694</b> | <b>71,705</b> | <b>69,993</b>  | <b>68,451</b>  | <b>67,179</b>  |
| <b>VICTORIA COUNTY</b>                       |                                 |               |               |                |                |                |
| <b>GUADALUPE BASIN</b>                       |                                 |               |               |                |                |                |
| VICTORIA                                     | 11,532                          | 12,109        | 12,555        | 13,007         | 13,432         | 13,797         |
| COUNTY-OTHER                                 | 1,802                           | 1,845         | 1,875         | 1,921          | 1,976          | 2,026          |
| MANUFACTURING                                | 30,977                          | 33,815        | 36,640        | 39,165         | 42,005         | 45,051         |
| MINING                                       | 36                              | 38            | 28            | 21             | 14             | 9              |
| STEAM ELECTRIC POWER                         | 5,530                           | 30,802        | 38,202        | 54,623         | 71,720         | 71,720         |
| LIVESTOCK                                    | 535                             | 535           | 535           | 535            | 535            | 535            |
| IRRIGATION                                   | 2,546                           | 2,546         | 2,546         | 2,546          | 2,546          | 2,546          |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>          | <b>52,958</b>                   | <b>81,690</b> | <b>92,381</b> | <b>111,818</b> | <b>132,228</b> | <b>135,684</b> |
| <b>LAVACA BASIN</b>                          |                                 |               |               |                |                |                |
| COUNTY-OTHER                                 | 5                               | 5             | 5             | 5              | 5              | 5              |
| LIVESTOCK                                    | 5                               | 5             | 5             | 5              | 5              | 5              |
| <b>LAVACA BASIN TOTAL DEMAND</b>             | <b>10</b>                       | <b>10</b>     | <b>10</b>     | <b>10</b>      | <b>10</b>      | <b>10</b>      |
| <b>LAVACA-GUADALUPE BASIN</b>                |                                 |               |               |                |                |                |
| VICTORIA                                     | 5,578                           | 5,857         | 6,074         | 6,292          | 6,498          | 6,674          |
| COUNTY-OTHER                                 | 1,234                           | 1,264         | 1,287         | 1,318          | 1,357          | 1,392          |
| MINING                                       | 33                              | 34            | 26            | 19             | 12             | 8              |
| LIVESTOCK                                    | 576                             | 576           | 576           | 576            | 576            | 576            |
| IRRIGATION                                   | 18,669                          | 18,669        | 18,669        | 18,669         | 18,669         | 18,669         |
| <b>LAVACA-GUADALUPE BASIN TOTAL DEMAND</b>   | <b>26,090</b>                   | <b>26,400</b> | <b>26,632</b> | <b>26,874</b>  | <b>27,112</b>  | <b>27,319</b>  |

**WUG DEMAND**

| REGION L                              | WUG DEMAND (ACRE-FEET PER YEAR) |                |                |                |                |                |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                       | 2020                            | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>VICTORIA COUNTY</b>                |                                 |                |                |                |                |                |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| COUNTY-OTHER                          | 9                               | 9              | 9              | 9              | 10             | 10             |
| MINING                                | 3                               | 3              | 2              | 1              | 1              | 1              |
| LIVESTOCK                             | 49                              | 49             | 49             | 49             | 49             | 49             |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>61</b>                       | <b>61</b>      | <b>60</b>      | <b>59</b>      | <b>60</b>      | <b>60</b>      |
| <b>VICTORIA COUNTY TOTAL DEMAND</b>   | <b>79,119</b>                   | <b>108,161</b> | <b>119,083</b> | <b>138,761</b> | <b>159,410</b> | <b>163,073</b> |
| <b>WILSON COUNTY</b>                  |                                 |                |                |                |                |                |
| <b>GUADALUPE BASIN</b>                |                                 |                |                |                |                |                |
| NIXON                                 | 2                               | 2              | 2              | 3              | 3              | 3              |
| SUNKO WSC                             | 5                               | 6              | 7              | 7              | 8              | 8              |
| COUNTY-OTHER                          | 40                              | 49             | 57             | 64             | 71             | 78             |
| MINING                                | 174                             | 139            | 105            | 70             | 36             | 18             |
| LIVESTOCK                             | 108                             | 108            | 108            | 108            | 108            | 108            |
| <b>GUADALUPE BASIN TOTAL DEMAND</b>   | <b>329</b>                      | <b>304</b>     | <b>279</b>     | <b>252</b>     | <b>226</b>     | <b>215</b>     |
| <b>NUECES BASIN</b>                   |                                 |                |                |                |                |                |
| MCCOY WSC                             | 43                              | 51             | 59             | 67             | 75             | 81             |
| COUNTY-OTHER                          | 50                              | 59             | 69             | 78             | 87             | 95             |
| MINING                                | 174                             | 139            | 105            | 70             | 36             | 18             |
| LIVESTOCK                             | 108                             | 108            | 108            | 108            | 108            | 108            |
| IRRIGATION                            | 4,884                           | 4,343          | 3,865          | 3,445          | 3,081          | 2,810          |
| <b>NUECES BASIN TOTAL DEMAND</b>      | <b>5,259</b>                    | <b>4,700</b>   | <b>4,206</b>   | <b>3,768</b>   | <b>3,387</b>   | <b>3,112</b>   |
| <b>SAN ANTONIO BASIN</b>              |                                 |                |                |                |                |                |
| EAST CENTRAL SUD                      | 157                             | 187            | 215            | 242            | 270            | 295            |
| EL OSO WSC                            | 39                              | 47             | 54             | 61             | 65             | 71             |
| ELMENDORF                             | 3                               | 3              | 4              | 4              | 4              | 5              |
| FLORESVILLE                           | 1,940                           | 2,344          | 2,741          | 3,106          | 3,460          | 3,781          |
| LA VERNIA                             | 277                             | 335            | 391            | 443            | 494            | 539            |
| MCCOY WSC                             | 4                               | 5              | 5              | 6              | 6              | 7              |
| OAK HILLS WSC                         | 904                             | 1,090          | 1,275          | 1,444          | 1,608          | 1,757          |
| POTH                                  | 387                             | 462            | 537            | 607            | 676            | 738            |
| S S WSC                               | 1,986                           | 2,384          | 2,782          | 3,147          | 3,503          | 3,827          |
| STOCKDALE                             | 384                             | 462            | 539            | 610            | 679            | 742            |
| SUNKO WSC                             | 783                             | 935            | 1,100          | 1,216          | 1,270          | 1,388          |
| COUNTY-OTHER                          | 1,403                           | 1,685          | 1,967          | 2,225          | 2,477          | 2,705          |
| MANUFACTURING                         | 10                              | 10             | 10             | 10             | 10             | 10             |
| MINING                                | 1,581                           | 1,270          | 955            | 642            | 327            | 168            |
| LIVESTOCK                             | 1,521                           | 1,521          | 1,521          | 1,521          | 1,521          | 1,521          |
| IRRIGATION                            | 7,298                           | 6,488          | 5,775          | 5,147          | 4,604          | 4,199          |
| <b>SAN ANTONIO BASIN TOTAL DEMAND</b> | <b>18,677</b>                   | <b>19,228</b>  | <b>19,871</b>  | <b>20,431</b>  | <b>20,974</b>  | <b>21,753</b>  |
| <b>WILSON COUNTY TOTAL DEMAND</b>     | <b>24,265</b>                   | <b>24,232</b>  | <b>24,356</b>  | <b>24,451</b>  | <b>24,587</b>  | <b>25,080</b>  |
| <b>ZAVALA COUNTY</b>                  |                                 |                |                |                |                |                |
| <b>NUECES BASIN</b>                   |                                 |                |                |                |                |                |
| CRYSTAL CITY                          | 1,702                           | 1,858          | 2,000          | 2,160          | 2,312          | 2,455          |
| ZAVALA COUNTY WCID #1                 | 477                             | 525            | 567            | 613            | 656            | 697            |
| COUNTY-OTHER                          | 572                             | 618            | 672            | 727            | 778            | 826            |
| MANUFACTURING                         | 946                             | 987            | 1,026          | 1,058          | 1,124          | 1,194          |
| MINING                                | 2,531                           | 2,257          | 1,977          | 1,559          | 932            | 557            |

**WUG DEMAND**

| <b>REGION L</b>                   | <b>WUG DEMAND (ACRE-FEET PER YEAR)</b> |                  |                  |                  |                  |                  |
|-----------------------------------|----------------------------------------|------------------|------------------|------------------|------------------|------------------|
|                                   | <b>2020</b>                            | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| <b>ZAVALA COUNTY</b>              |                                        |                  |                  |                  |                  |                  |
| <b>NUECES BASIN</b>               |                                        |                  |                  |                  |                  |                  |
| LIVESTOCK                         | 1,058                                  | 1,058            | 1,058            | 1,058            | 1,058            | 1,058            |
| IRRIGATION                        | 44,222                                 | 42,475           | 40,797           | 39,185           | 37,636           | 36,262           |
| <b>NUECES BASIN TOTAL DEMAND</b>  | <b>51,508</b>                          | <b>49,778</b>    | <b>48,097</b>    | <b>46,360</b>    | <b>44,496</b>    | <b>43,049</b>    |
| <b>ZAVALA COUNTY TOTAL DEMAND</b> | <b>51,508</b>                          | <b>49,778</b>    | <b>48,097</b>    | <b>46,360</b>    | <b>44,496</b>    | <b>43,049</b>    |
|                                   |                                        |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL DEMAND</b>      | <b>1,070,354</b>                       | <b>1,156,030</b> | <b>1,219,229</b> | <b>1,290,567</b> | <b>1,366,447</b> | <b>1,433,835</b> |

**Region L**  
**TWDB DB17 Water Availability Report**



**SOURCE AVAILABILITY**

| <b>REGION L</b>        |               |              |                 |                                                 |             |             |             |             |             |
|------------------------|---------------|--------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>     | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                        |               |              |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| AUSTIN CHALK AQUIFER   | UVALDE        | NUECES       | FRESH           | 2,935                                           | 2,935       | 2,935       | 2,935       | 2,935       | 2,935       |
| BUDA LIMESTONE AQUIFER | UVALDE        | NUECES       | FRESH           | 758                                             | 758         | 758         | 758         | 758         | 758         |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | NUECES       | FRESH           | 68,656                                          | 70,249      | 71,827      | 73,666      | 75,688      | 75,688      |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | SAN ANTONIO  | FRESH           | 120                                             | 120         | 120         | 120         | 120         | 120         |
| CARRIZO-WILCOX AQUIFER | BEXAR         | NUECES       | FRESH           | 14,198                                          | 14,198      | 14,198      | 14,198      | 14,198      | 14,198      |
| CARRIZO-WILCOX AQUIFER | BEXAR         | SAN ANTONIO  | FRESH           | 12,080                                          | 12,080      | 12,080      | 12,080      | 11,909      | 11,909      |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | COLORADO     | FRESH           | 593                                             | 593         | 593         | 593         | 593         | 593         |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | GUADALUPE    | FRESH           | 43,951                                          | 43,543      | 43,543      | 42,967      | 42,967      | 42,967      |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | NUECES       | FRESH           | 3,253                                           | 3,253       | 3,253       | 3,253       | 3,253       | 3,253       |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | RIO GRANDE   | FRESH           | 106                                             | 106         | 106         | 106         | 106         | 106         |
| CARRIZO-WILCOX AQUIFER | FRIO          | NUECES       | FRESH           | 79,089                                          | 76,734      | 74,439      | 72,222      | 70,030      | 70,030      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | GUADALUPE    | FRESH           | 62,101                                          | 70,102      | 75,576      | 75,755      | 75,755      | 75,755      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | LAVACA       | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | GUADALUPE    | FRESH           | 9,460                                           | 9,910       | 11,648      | 12,168      | 12,668      | 12,668      |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | SAN ANTONIO  | FRESH           | 1,373                                           | 1,373       | 1,373       | 1,373       | 1,373       | 1,373       |
| CARRIZO-WILCOX AQUIFER | KARNES        | GUADALUPE    | FRESH           | 195                                             | 207         | 215         | 220         | 224         | 224         |
| CARRIZO-WILCOX AQUIFER | KARNES        | NUECES       | FRESH           | 92                                              | 97          | 101         | 103         | 105         | 105         |
| CARRIZO-WILCOX AQUIFER | KARNES        | SAN ANTONIO  | FRESH           | 830                                             | 878         | 915         | 936         | 951         | 951         |
| CARRIZO-WILCOX AQUIFER | LA SALLE      | NUECES       | FRESH           | 6,454                                           | 6,454       | 6,454       | 6,454       | 6,454       | 6,454       |
| CARRIZO-WILCOX AQUIFER | MEDINA        | NUECES       | FRESH           | 2,519                                           | 2,507       | 2,507       | 2,507       | 2,507       | 2,507       |
| CARRIZO-WILCOX AQUIFER | MEDINA        | SAN ANTONIO  | FRESH           | 26                                              | 26          | 26          | 26          | 26          | 26          |
| CARRIZO-WILCOX AQUIFER | UVALDE        | NUECES       | FRESH           | 1,230                                           | 828         | 828         | 828         | 828         | 828         |
| CARRIZO-WILCOX AQUIFER | WILSON        | GUADALUPE    | FRESH           | 672                                             | 731         | 791         | 861         | 938         | 938         |
| CARRIZO-WILCOX AQUIFER | WILSON        | NUECES       | FRESH           | 7,311                                           | 7,505       | 7,703       | 7,932       | 8,185       | 8,185       |
| CARRIZO-WILCOX AQUIFER | WILSON        | SAN ANTONIO  | FRESH           | 29,003                                          | 30,481      | 31,992      | 33,738      | 35,671      | 35,671      |
| CARRIZO-WILCOX AQUIFER | ZAVALA        | NUECES       | FRESH           | 35,859                                          | 35,521      | 35,388      | 35,288      | 34,969      | 34,969      |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | NUECES       | FRESH           | 154                                             | 154         | 154         | 154         | 154         | 154         |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | SAN ANTONIO  | FRESH           | 72                                              | 72          | 72          | 72          | 72          | 72          |
| EDWARDS-BFZ AQUIFER    | BEXAR         | SAN ANTONIO  | FRESH           | 213,671                                         | 213,671     | 213,671     | 213,671     | 213,671     | 213,671     |
| EDWARDS-BFZ AQUIFER    | CALDWELL      | COLORADO     | SALINE          | 64                                              | 64          | 64          | 64          | 64          | 64          |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                  |               |                    |                 |                                                 |             |             |             |             |             |
|----------------------------------|---------------|--------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>               | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                  |               |                    |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| EDWARDS-BFZ AQUIFER              | CALDWELL      | GUADALUPE          | SALINE          | 134                                             | 134         | 134         | 134         | 134         | 134         |
| EDWARDS-BFZ AQUIFER              | COMAL         | GUADALUPE          | FRESH           | 13,271                                          | 13,271      | 13,271      | 13,271      | 13,271      | 13,271      |
| EDWARDS-BFZ AQUIFER              | COMAL         | SAN ANTONIO        | FRESH           | 287                                             | 287         | 287         | 287         | 287         | 287         |
| EDWARDS-BFZ AQUIFER              | FRIO          | NUECES             | FRESH           | 23,213                                          | 23,213      | 23,213      | 23,213      | 23,213      | 23,213      |
| EDWARDS-BFZ AQUIFER              | GUADALUPE     | GUADALUPE          | FRESH           | 208                                             | 208         | 208         | 208         | 208         | 208         |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | FRESH           | 7,802                                           | 7,802       | 7,802       | 7,802       | 7,802       | 7,802       |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | SALINE          | 235                                             | 235         | 235         | 235         | 235         | 235         |
| EDWARDS-BFZ AQUIFER              | MEDINA        | NUECES             | FRESH           | 19,373                                          | 19,373      | 19,373      | 19,373      | 19,373      | 19,373      |
| EDWARDS-BFZ AQUIFER              | MEDINA        | SAN ANTONIO        | FRESH           | 6,620                                           | 6,620       | 6,620       | 6,620       | 6,620       | 6,620       |
| EDWARDS-BFZ AQUIFER              | UVALDE        | NUECES             | FRESH           | 31,714                                          | 31,714      | 31,714      | 31,714      | 31,714      | 31,714      |
| EDWARDS-BFZ AQUIFER              | BEXAR         | NUECES             | FRESH           | 188                                             | 188         | 188         | 188         | 188         | 188         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | COLORADO           | FRESH           | 46                                              | 46          | 46          | 46          | 46          | 46          |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | GUADALUPE          | FRESH           | 103                                             | 103         | 103         | 103         | 103         | 103         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | SAN ANTONIO        | FRESH           | 169                                             | 169         | 169         | 169         | 169         | 169         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | UVALDE        | NUECES             | FRESH           | 1,635                                           | 1,635       | 1,635       | 1,635       | 1,635       | 1,635       |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL      | GUADALUPE          | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| GULF COAST AQUIFER               | CALHOUN       | COLORADO-LAVACA    | FRESH           | 361                                             | 361         | 361         | 361         | 361         | 361         |
| GULF COAST AQUIFER               | CALHOUN       | GUADALUPE          | FRESH           | 17                                              | 17          | 17          | 17          | 17          | 17          |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA             | FRESH           | 2                                               | 2           | 2           | 2           | 2           | 2           |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA-GUADALUPE   | FRESH           | 2,574                                           | 2,574       | 2,574       | 2,574       | 2,574       | 2,574       |
| GULF COAST AQUIFER               | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 41                                              | 41          | 41          | 41          | 41          | 41          |
| GULF COAST AQUIFER               | DEWITT        | GUADALUPE          | FRESH           | 10,548                                          | 10,548      | 10,548      | 10,548      | 10,548      | 10,548      |
| GULF COAST AQUIFER               | DEWITT        | LAVACA             | FRESH           | 2,932                                           | 2,926       | 2,915       | 2,912       | 2,912       | 2,912       |
| GULF COAST AQUIFER               | DEWITT        | LAVACA-GUADALUPE   | FRESH           | 417                                             | 417         | 417         | 417         | 417         | 417         |
| GULF COAST AQUIFER               | DEWITT        | SAN ANTONIO        | FRESH           | 739                                             | 739         | 739         | 739         | 739         | 739         |
| GULF COAST AQUIFER               | GOLIAD        | GUADALUPE          | FRESH           | 4,417                                           | 4,417       | 4,417       | 4,417       | 4,417       | 4,417       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO        | FRESH           | 6,121                                           | 6,121       | 6,121       | 6,121       | 6,121       | 6,121       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 1,161                                           | 1,161       | 1,161       | 1,161       | 1,161       | 1,161       |
| GULF COAST AQUIFER               | GONZALES      | GUADALUPE          | FRESH           | 1,901                                           | 1,901       | 1,901       | 1,901       | 1,901       | 1,901       |
| GULF COAST AQUIFER               | GONZALES      | LAVACA             | FRESH           | 182                                             | 182         | 182         | 182         | 182         | 182         |
| GULF COAST AQUIFER               | KARNES        | GUADALUPE          | FRESH           | 12                                              | 12          | 12          | 12          | 12          | 12          |
| GULF COAST AQUIFER               | KARNES        | NUECES             | FRESH           | 78                                              | 78          | 78          | 78          | 78          | 78          |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO        | FRESH           | 3,061                                           | 3,056       | 3,052       | 3,048       | 2,944       | 2,944       |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO-NUECES | FRESH           | 84                                              | 84          | 84          | 84          | 82          | 82          |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO        | FRESH           | 1,522                                           | 1,522       | 1,522       | 1,522       | 1,522       | 1,522       |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 27,806                                          | 27,806      | 27,806      | 27,806      | 27,806      | 27,806      |
| GULF COAST AQUIFER               | VICTORIA      | GUADALUPE          | FRESH           | 14,617                                          | 14,617      | 14,617      | 14,617      | 14,617      | 14,617      |

**SOURCE AVAILABILITY**

| <b>REGION L</b>      |               |                  |                 |                                                 |             |             |             |             |             |
|----------------------|---------------|------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>   | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                      |               |                  |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA           | FRESH           | 217                                             | 217         | 217         | 217         | 217         | 217         |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 19,924                                          | 19,924      | 19,924      | 19,924      | 19,924      | 19,924      |
| GULF COAST AQUIFER   | VICTORIA      | SAN ANTONIO      | FRESH           | 936                                             | 936         | 936         | 936         | 936         | 936         |
| LEONA GRAVEL AQUIFER | MEDINA        | NUECES           | FRESH           | 17,955                                          | 17,955      | 17,955      | 17,955      | 17,955      | 17,955      |
| LEONA GRAVEL AQUIFER | MEDINA        | SAN ANTONIO      | FRESH           | 4,062                                           | 4,062       | 4,062       | 4,062       | 4,062       | 4,062       |
| LEONA GRAVEL AQUIFER | UVALDE        | NUECES           | FRESH           | 9,385                                           | 9,385       | 9,385       | 9,385       | 9,385       | 9,385       |
| QUEEN CITY AQUIFER   | ATASCOSA      | NUECES           | FRESH           | 4,546                                           | 4,513       | 4,405       | 4,300       | 4,202       | 4,202       |
| QUEEN CITY AQUIFER   | CALDWELL      | GUADALUPE        | FRESH           | 306                                             | 306         | 306         | 306         | 306         | 306         |
| QUEEN CITY AQUIFER   | DIMMIT        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | DIMMIT        | RIO GRANDE       | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | FRIO          | NUECES           | FRESH           | 4,582                                           | 4,422       | 4,270       | 4,124       | 3,983       | 3,983       |
| QUEEN CITY AQUIFER   | GONZALES      | GUADALUPE        | FRESH           | 5,030                                           | 5,030       | 5,030       | 5,030       | 5,030       | 5,030       |
| QUEEN CITY AQUIFER   | GONZALES      | LAVACA           | FRESH           | 35                                              | 35          | 35          | 35          | 35          | 35          |
| QUEEN CITY AQUIFER   | GUADALUPE     | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | SAN ANTONIO      | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | LA SALLE      | NUECES           | FRESH           | 1                                               | 1           | 1           | 1           | 1           | 1           |
| QUEEN CITY AQUIFER   | WILSON        | GUADALUPE        | FRESH           | 114                                             | 101         | 90          | 80          | 72          | 72          |
| QUEEN CITY AQUIFER   | WILSON        | NUECES           | FRESH           | 132                                             | 117         | 104         | 93          | 83          | 83          |
| QUEEN CITY AQUIFER   | WILSON        | SAN ANTONIO      | FRESH           | 1,094                                           | 973         | 866         | 772         | 690         | 690         |
| QUEEN CITY AQUIFER   | ZAVALA        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | ATASCOSA      | NUECES           | FRESH           | 1,130                                           | 1,082       | 1,042       | 1,013       | 994         | 994         |
| SPARTA AQUIFER       | DIMMIT        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | FRIO          | NUECES           | FRESH           | 698                                             | 674         | 650         | 624         | 601         | 601         |
| SPARTA AQUIFER       | GONZALES      | GUADALUPE        | FRESH           | 3,529                                           | 3,529       | 3,529       | 3,529       | 3,529       | 3,529       |
| SPARTA AQUIFER       | GONZALES      | LAVACA           | FRESH           | 23                                              | 23          | 23          | 23          | 23          | 23          |
| SPARTA AQUIFER       | KARNES        | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | SAN ANTONIO      | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | LA SALLE      | NUECES           | FRESH           | 987                                             | 987         | 987         | 987         | 987         | 987         |
| SPARTA AQUIFER       | WILSON        | GUADALUPE        | FRESH           | 20                                              | 18          | 16          | 14          | 13          | 13          |
| SPARTA AQUIFER       | WILSON        | NUECES           | FRESH           | 49                                              | 44          | 39          | 34          | 31          | 31          |
| SPARTA AQUIFER       | WILSON        | SAN ANTONIO      | FRESH           | 154                                             | 137         | 121         | 108         | 97          | 97          |
| SPARTA AQUIFER       | ZAVALA        | NUECES           | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | BEXAR         | NUECES           | FRESH           | 223                                             | 223         | 223         | 223         | 223         | 223         |
| TRINITY AQUIFER      | BEXAR         | SAN ANTONIO      | FRESH           | 44,854                                          | 44,854      | 44,854      | 44,854      | 44,854      | 44,854      |
| TRINITY AQUIFER      | CALDWELL      | GUADALUPE        | FRESH           | 0                                               | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | COMAL         | GUADALUPE        | FRESH           | 34,082                                          | 34,082      | 34,082      | 34,082      | 34,082      | 34,082      |
| TRINITY AQUIFER      | COMAL         | SAN ANTONIO      | FRESH           | 5,416                                           | 5,416       | 5,416       | 5,416       | 5,416       | 5,416       |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
|----------------------------------------------|---------------|--------------|-----------------|-------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>GROUNDWATER</b>                           | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| TRINITY AQUIFER                              | GUADALUPE     | GUADALUPE    | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                              | GUADALUPE     | SAN ANTONIO  | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                              | HAYS          | GUADALUPE    | FRESH           | 7,270                                           | 7,270          | 7,270          | 7,270          | 7,270          | 7,270          |
| TRINITY AQUIFER                              | KENDALL       | COLORADO     | FRESH           | 135                                             | 135            | 135            | 135            | 135            | 135            |
| TRINITY AQUIFER                              | KENDALL       | GUADALUPE    | FRESH           | 6,028                                           | 6,028          | 6,028          | 6,028          | 6,028          | 6,028          |
| TRINITY AQUIFER                              | KENDALL       | SAN ANTONIO  | FRESH           | 4,976                                           | 4,976          | 4,976          | 4,976          | 4,976          | 4,976          |
| TRINITY AQUIFER                              | MEDINA        | NUECES       | FRESH           | 5,948                                           | 5,948          | 5,948          | 5,948          | 5,948          | 5,948          |
| TRINITY AQUIFER                              | MEDINA        | SAN ANTONIO  | FRESH           | 1,921                                           | 1,921          | 1,921          | 1,921          | 1,921          | 1,921          |
| TRINITY AQUIFER                              | UVALDE        | NUECES       | FRESH           | 639                                             | 639            | 639            | 639            | 639            | 639            |
| YEGUA-JACKSON AQUIFER                        | ATASCOSA      | NUECES       | FRESH           | 855                                             | 855            | 855            | 855            | 855            | 855            |
| YEGUA-JACKSON AQUIFER                        | FRIO          | NUECES       | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                        | GONZALES      | GUADALUPE    | FRESH           | 980                                             | 980            | 980            | 980            | 980            | 980            |
| YEGUA-JACKSON AQUIFER                        | GONZALES      | LAVACA       | FRESH           | 3                                               | 3              | 3              | 3              | 3              | 3              |
| YEGUA-JACKSON AQUIFER                        | KARNES        | GUADALUPE    | FRESH           | 112                                             | 112            | 112            | 112            | 112            | 112            |
| YEGUA-JACKSON AQUIFER                        | KARNES        | NUECES       | FRESH           | 34                                              | 34             | 34             | 34             | 34             | 34             |
| YEGUA-JACKSON AQUIFER                        | KARNES        | SAN ANTONIO  | FRESH           | 628                                             | 628            | 628            | 628            | 628            | 628            |
| YEGUA-JACKSON AQUIFER                        | LA SALLE      | NUECES       | FRESH           | 91                                              | 91             | 91             | 91             | 91             | 91             |
| YEGUA-JACKSON AQUIFER                        | WILSON        | GUADALUPE    | FRESH           | 48                                              | 48             | 48             | 48             | 48             | 48             |
| YEGUA-JACKSON AQUIFER                        | WILSON        | NUECES       | FRESH           | 184                                             | 184            | 184            | 184            | 184            | 184            |
| YEGUA-JACKSON AQUIFER                        | WILSON        | SAN ANTONIO  | FRESH           | 606                                             | 606            | 606            | 606            | 606            | 606            |
| <b>GROUNDWATER TOTAL SOURCE AVAILABILITY</b> |               |              |                 | <b>970,788</b>                                  | <b>978,664</b> | <b>986,351</b> | <b>987,621</b> | <b>989,243</b> | <b>989,243</b> |
| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
| <b>REUSE</b>                                 | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| DIRECT REUSE                                 | BEXAR         | SAN ANTONIO  | FRESH           | 11,412                                          | 11,412         | 11,412         | 11,412         | 11,412         | 11,412         |
| DIRECT REUSE                                 | COMAL         | GUADALUPE    | FRESH           | 107                                             | 107            | 107            | 107            | 107            | 107            |
| DIRECT REUSE                                 | GUADALUPE     | GUADALUPE    | FRESH           | 1,413                                           | 1,413          | 1,413          | 1,413          | 1,413          | 1,413          |
| DIRECT REUSE                                 | HAYS          | GUADALUPE    | FRESH           | 4,119                                           | 4,119          | 4,119          | 4,119          | 4,119          | 4,119          |
| DIRECT REUSE                                 | KARNES        | SAN ANTONIO  | FRESH           | 30                                              | 30             | 30             | 30             | 30             | 30             |
| DIRECT REUSE                                 | KENDALL       | GUADALUPE    | FRESH           | 264                                             | 264            | 264            | 264            | 264            | 264            |
| DIRECT REUSE                                 | KENDALL       | SAN ANTONIO  | FRESH           | 7                                               | 7              | 7              | 7              | 7              | 7              |
| <b>REUSE TOTAL SOURCE AVAILABILITY</b>       |               |              |                 | <b>17,352</b>                                   | <b>17,352</b>  | <b>17,352</b>  | <b>17,352</b>  | <b>17,352</b>  | <b>17,352</b>  |
| <b>REGION L</b>                              |               |              |                 |                                                 |                |                |                |                |                |
| <b>SURFACE WATER</b>                         | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                              |               |              |                 | <b>2020</b>                                     | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| BOERNE LAKE/RESERVOIR                        | RESERVOIR     | SAN ANTONIO  | FRESH           | 0                                               | 0              | 0              | 0              | 0              | 0              |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                        |               |                 |                 |                                                 |             |             |             |             |             |
|----------------------------------------|---------------|-----------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                   | <b>COUNTY</b> | <b>BASIN</b>    | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                        |               |                 |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| CALAVERAS LAKE/RESERVOIR               | RESERVOIR     | SAN ANTONIO     | FRESH           | 36,900                                          | 36,900      | 36,900      | 36,900      | 36,900      | 36,900      |
| CANYON LAKE/RESERVOIR                  | RESERVOIR     | GUADALUPE       | FRESH           | 89,100                                          | 88,960      | 88,820      | 88,680      | 88,540      | 88,400      |
| COLETO CREEK LAKE/RESERVOIR            | RESERVOIR     | GUADALUPE       | FRESH           | 24,160                                          | 24,160      | 24,160      | 24,160      | 24,160      | 24,160      |
| COLORADO LIVESTOCK LOCAL SUPPLY        | CALDWELL      | COLORADO        | FRESH           | 30                                              | 30          | 30          | 30          | 30          | 30          |
| COLORADO LIVESTOCK LOCAL SUPPLY        | KENDALL       | COLORADO        | FRESH           | 6                                               | 6           | 6           | 6           | 6           | 6           |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN       | COLORADO-LAVACA | FRESH           | 64                                              | 64          | 64          | 64          | 64          | 64          |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | CALDWELL      | GUADALUPE       | FRESH           | 471                                             | 471         | 471         | 471         | 471         | 471         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | COMAL         | GUADALUPE       | FRESH           | 120                                             | 120         | 120         | 120         | 120         | 120         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | DEWITT        | GUADALUPE       | FRESH           | 631                                             | 631         | 631         | 631         | 631         | 631         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GOLIAD        | GUADALUPE       | FRESH           | 140                                             | 140         | 140         | 140         | 140         | 140         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GONZALES      | GUADALUPE       | FRESH           | 2,315                                           | 2,315       | 2,315       | 2,315       | 2,315       | 2,315       |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GUADALUPE     | GUADALUPE       | FRESH           | 523                                             | 523         | 523         | 523         | 523         | 523         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | HAYS          | GUADALUPE       | FRESH           | 204                                             | 204         | 204         | 204         | 204         | 204         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KARNES        | GUADALUPE       | FRESH           | 20                                              | 20          | 20          | 20          | 20          | 20          |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KENDALL       | GUADALUPE       | FRESH           | 159                                             | 159         | 159         | 159         | 159         | 159         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | VICTORIA      | GUADALUPE       | FRESH           | 339                                             | 339         | 339         | 339         | 339         | 339         |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | WILSON        | GUADALUPE       | FRESH           | 54                                              | 54          | 54          | 54          | 54          | 54          |
| GUADALUPE RUN-OF-RIVER                 | CALDWELL      | GUADALUPE       | FRESH           | 1,296                                           | 1,296       | 1,296       | 1,296       | 1,296       | 1,296       |
| GUADALUPE RUN-OF-RIVER                 | CALHOUN       | GUADALUPE       | FRESH           | 85,315                                          | 85,315      | 85,315      | 85,315      | 85,315      | 85,315      |
| GUADALUPE RUN-OF-RIVER                 | COMAL         | GUADALUPE       | FRESH           | 1,385                                           | 1,385       | 1,385       | 1,385       | 1,385       | 1,385       |
| GUADALUPE RUN-OF-RIVER                 | GONZALES      | GUADALUPE       | FRESH           | 4,040                                           | 4,040       | 4,040       | 4,040       | 4,040       | 4,040       |
| GUADALUPE RUN-OF-RIVER                 | GUADALUPE     | GUADALUPE       | FRESH           | 8,247                                           | 8,247       | 8,247       | 8,247       | 8,247       | 8,247       |
| GUADALUPE RUN-OF-RIVER                 | HAYS          | GUADALUPE       | FRESH           | 130                                             | 130         | 130         | 130         | 130         | 130         |
| GUADALUPE RUN-OF-RIVER                 | KENDALL       | GUADALUPE       | FRESH           | 26                                              | 26          | 26          | 26          | 26          | 26          |
| GUADALUPE RUN-OF-RIVER                 | VICTORIA      | GUADALUPE       | FRESH           | 27,390                                          | 27,390      | 27,390      | 27,390      | 27,390      | 27,390      |
| LAVACA LIVESTOCK LOCAL SUPPLY          | DEWITT        | LAVACA          | FRESH           | 282                                             | 282         | 282         | 282         | 282         | 282         |
| LAVACA LIVESTOCK LOCAL SUPPLY          | GONZALES      | LAVACA          | FRESH           | 53                                              | 53          | 53          | 53          | 53          | 53          |
| LAVACA LIVESTOCK LOCAL SUPPLY          | VICTORIA      | LAVACA          | FRESH           | 2                                               | 2           | 2           | 2           | 2           | 2           |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                         |               |                  |                 |                                                 |             |             |             |             |             |
|-----------------------------------------|---------------|------------------|-----------------|-------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                    | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                         |               |                  |                 | <b>2020</b>                                     | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN       | LAVACA-GUADALUPE | FRESH           | 92                                              | 92          | 92          | 92          | 92          | 92          |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT        | LAVACA-GUADALUPE | FRESH           | 9                                               | 9           | 9           | 9           | 9           | 9           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 218                                             | 218         | 218         | 218         | 218         | 218         |
| NUECES LIVESTOCK LOCAL SUPPLY           | ATASCOSA      | NUECES           | FRESH           | 754                                             | 754         | 754         | 754         | 754         | 754         |
| NUECES LIVESTOCK LOCAL SUPPLY           | BEXAR         | NUECES           | FRESH           | 177                                             | 177         | 177         | 177         | 177         | 177         |
| NUECES LIVESTOCK LOCAL SUPPLY           | DIMMIT        | NUECES           | FRESH           | 220                                             | 220         | 220         | 220         | 220         | 220         |
| NUECES LIVESTOCK LOCAL SUPPLY           | FRIO          | NUECES           | FRESH           | 497                                             | 497         | 497         | 497         | 497         | 497         |
| NUECES LIVESTOCK LOCAL SUPPLY           | LA SALLE      | NUECES           | FRESH           | 305                                             | 305         | 305         | 305         | 305         | 305         |
| NUECES LIVESTOCK LOCAL SUPPLY           | MEDINA        | NUECES           | FRESH           | 519                                             | 519         | 519         | 519         | 519         | 519         |
| NUECES LIVESTOCK LOCAL SUPPLY           | UVALDE        | NUECES           | FRESH           | 516                                             | 516         | 516         | 516         | 516         | 516         |
| NUECES LIVESTOCK LOCAL SUPPLY           | WILSON        | NUECES           | FRESH           | 54                                              | 54          | 55          | 55          | 56          | 56          |
| NUECES LIVESTOCK LOCAL SUPPLY           | ZAVALA        | NUECES           | FRESH           | 594                                             | 594         | 594         | 594         | 594         | 594         |
| NUECES RUN-OF-RIVER                     | DIMMIT        | NUECES           | FRESH           | 2,262                                           | 2,262       | 2,262       | 2,262       | 2,262       | 2,262       |
| NUECES RUN-OF-RIVER                     | LA SALLE      | NUECES           | FRESH           | 705                                             | 705         | 705         | 705         | 705         | 705         |
| NUECES RUN-OF-RIVER                     | UVALDE        | NUECES           | FRESH           | 720                                             | 720         | 720         | 720         | 720         | 720         |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY       | DIMMIT        | RIO GRANDE       | FRESH           | 24                                              | 24          | 24          | 24          | 24          | 24          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | BEXAR         | SAN ANTONIO      | FRESH           | 402                                             | 402         | 402         | 402         | 402         | 402         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | COMAL         | SAN ANTONIO      | FRESH           | 9                                               | 9           | 9           | 9           | 9           | 9           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | DEWITT        | SAN ANTONIO      | FRESH           | 75                                              | 75          | 75          | 75          | 75          | 75          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO      | FRESH           | 215                                             | 215         | 215         | 215         | 215         | 215         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO      | FRESH           | 547                                             | 548         | 548         | 549         | 558         | 558         |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KENDALL       | SAN ANTONIO      | FRESH           | 33                                              | 33          | 33          | 33          | 33          | 33          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | MEDINA        | SAN ANTONIO      | FRESH           | 63                                              | 63          | 63          | 63          | 63          | 63          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO      | FRESH           | 16                                              | 16          | 16          | 16          | 16          | 16          |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | VICTORIA      | SAN ANTONIO      | FRESH           | 24                                              | 24          | 24          | 24          | 24          | 24          |

**SOURCE AVAILABILITY**

| <b>REGION L</b>                                |               |                    |                 |                                                 |                  |                  |                  |                  |                  |
|------------------------------------------------|---------------|--------------------|-----------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|
| <b>SURFACE WATER</b>                           | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE AVAILABILITY (ACRE-FEET PER YEAR)</b> |                  |                  |                  |                  |                  |
|                                                |               |                    |                 | <b>2020</b>                                     | <b>2030</b>      | <b>2040</b>      | <b>2050</b>      | <b>2060</b>      | <b>2070</b>      |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY             | WILSON        | SAN ANTONIO        | FRESH           | 759                                             | 759              | 759              | 759              | 759              | 759              |
| SAN ANTONIO RUN-OF-RIVER                       | BEXAR         | SAN ANTONIO        | FRESH           | 7,311                                           | 7,311            | 7,311            | 7,311            | 7,311            | 7,311            |
| SAN ANTONIO RUN-OF-RIVER                       | GOLIAD        | SAN ANTONIO        | FRESH           | 2,524                                           | 2,524            | 2,524            | 2,524            | 2,524            | 2,524            |
| SAN ANTONIO RUN-OF-RIVER                       | KARNES        | SAN ANTONIO        | FRESH           | 725                                             | 725              | 725              | 725              | 725              | 725              |
| SAN ANTONIO RUN-OF-RIVER                       | WILSON        | SAN ANTONIO        | FRESH           | 1,770                                           | 1,770            | 1,770            | 1,770            | 1,770            | 1,770            |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 16                                              | 16               | 16               | 16               | 16               | 16               |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 209                                             | 209              | 209              | 209              | 209              | 209              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO-NUECES | FRESH           | 10                                              | 10               | 10               | 10               | 10               | 10               |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 302                                             | 302              | 302              | 302              | 302              | 302              |
| VICTOR BRAUNIG LAKE/RESERVOIR                  | RESERVOIR     | SAN ANTONIO        | FRESH           | 12,000                                          | 12,000           | 12,000           | 12,000           | 12,000           | 12,000           |
| <b>SURFACE WATER TOTAL SOURCE AVAILABILITY</b> |               |                    |                 | <b>318,078</b>                                  | <b>317,939</b>   | <b>317,800</b>   | <b>317,661</b>   | <b>317,531</b>   | <b>317,391</b>   |
|                                                |               |                    |                 |                                                 |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL SOURCE AVAILABILITY</b>      |               |                    |                 | <b>1,306,218</b>                                | <b>1,313,955</b> | <b>1,321,503</b> | <b>1,322,634</b> | <b>1,324,126</b> | <b>1,323,986</b> |

## **Region L**

### **TWDB DB17 Existing Water Supplies Report**



**EXISTING WATER SUPPLY**

| REGION L                           | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                    |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| ATASCOSA COUNTY                    |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                       |                                              |                                      |        |        |        |        |        |
| BENTON CITY WSC                    | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,415                                | 1,399  | 1,393  | 1,392  | 1,395  | 1,400  |
| CHARLOTTE                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 690                                  | 690    | 690    | 690    | 690    | 690    |
| JOURDANTON                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 2,094                                | 2,094  | 2,094  | 2,094  | 2,094  | 2,094  |
| LYTLE                              | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 318                                  | 312    | 309    | 308    | 308    | 307    |
| MCCOY WSC                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,472                                | 1,473  | 1,472  | 1,473  | 1,473  | 1,473  |
| MCCOY WSC                          | N   CARRIZO-WILCOX AQUIFER   LIVE OAK COUNTY | 56                                   | 56     | 56     | 56     | 56     | 56     |
| PLEASANTON                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 3,777                                | 3,777  | 3,777  | 3,777  | 3,777  | 3,777  |
| POTEET                             | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 1,418                                | 1,418  | 1,418  | 1,418  | 1,418  | 1,418  |
| SAN ANTONIO WATER SYSTEM           | L   CANYON LAKE/RESERVOIR                    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 60                                   | 58     | 58     | 58     | 60     | 58     |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 347                                  | 349    | 350    | 351    | 351    | 352    |
| SAN ANTONIO WATER SYSTEM           | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   SAN ANTONIO RUN-OF-RIVER                 | 125                                  | 125    | 126    | 125    | 125    | 125    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   BEXAR COUNTY           | 121                                  | 122    | 122    | 122    | 123    | 122    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   COMAL COUNTY           | 7                                    | 7      | 7      | 7      | 7      | 7      |
| COUNTY-OTHER                       | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 616                                  | 616    | 616    | 616    | 616    | 616    |
| COUNTY-OTHER                       | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 700                                  | 700    | 700    | 700    | 700    | 700    |
| MANUFACTURING                      | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 12                                   | 12     | 12     | 12     | 12     | 12     |
| MINING                             | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 4,081                                | 4,043  | 3,935  | 3,212  | 2,478  | 2,043  |
| STEAM ELECTRIC POWER               | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 8,655                                | 8,655  | 8,655  | 8,655  | 8,655  | 8,655  |
| LIVESTOCK                          | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 382                                  | 382    | 382    | 382    | 382    | 382    |
| LIVESTOCK                          | L   NUECES LIVESTOCK LOCAL SUPPLY            | 754                                  | 754    | 754    | 754    | 754    | 754    |
| LIVESTOCK                          | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 239                                  | 239    | 239    | 239    | 239    | 239    |
| LIVESTOCK                          | L   YEGUA-JACKSON AQUIFER   ATASCOSA COUNTY  | 134                                  | 134    | 134    | 134    | 134    | 134    |
| IRRIGATION                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 22,806                               | 21,972 | 21,163 | 20,375 | 19,605 | 18,887 |
| IRRIGATION                         | L   EDWARDS-BFZ AQUIFER   ATASCOSA COUNTY    | 154                                  | 154    | 154    | 154    | 154    | 154    |
| IRRIGATION                         | L   QUEEN CITY AQUIFER   ATASCOSA COUNTY     | 1,924                                | 1,924  | 1,924  | 1,924  | 1,924  | 1,924  |
| IRRIGATION                         | L   SPARTA AQUIFER   ATASCOSA COUNTY         | 1,130                                | 1,082  | 1,042  | 1,013  | 994    | 994    |
| IRRIGATION                         | L   YEGUA-JACKSON AQUIFER   ATASCOSA COUNTY  | 314                                  | 314    | 314    | 314    | 314    | 314    |
| NUECES BASIN TOTAL EXISTING SUPPLY |                                              | 53,801                               | 52,861 | 51,896 | 50,355 | 48,838 | 47,687 |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| ATASCOSA COUNTY                         |                                               |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                               |                                      |        |        |        |        |        |
| BENTON CITY WSC                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY  | 175                                  | 173    | 172    | 173    | 173    | 173    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY  | 117                                  | 117    | 117    | 117    | 117    | 117    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY  | 109                                  | 109    | 109    | 109    | 109    | 109    |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   ATASCOSA COUNTY     | 72                                   | 72     | 72     | 72     | 72     | 72     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                               | 473                                  | 471    | 470    | 471    | 471    | 471    |
| ATASCOSA COUNTY TOTAL EXISTING SUPPLY   |                                               | 54,274                               | 53,332 | 52,366 | 50,826 | 49,309 | 48,158 |
| BEXAR COUNTY                            |                                               |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                               |                                      |        |        |        |        |        |
| ATASCOSA RURAL WSC                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 24                                   | 24     | 24     | 24     | 24     | 24     |
| LYTLE                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY       | 8                                    | 9      | 10     | 10     | 10     | 11     |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 314                                  | 314    | 314    | 314    | 314    | 314    |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY             | 177                                  | 177    | 177    | 177    | 177    | 177    |
| LIVESTOCK                               | L   TRINITY AQUIFER   BEXAR COUNTY            | 1                                    | 1      | 1      | 1      | 1      | 1      |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 50                                   | 50     | 50     | 50     | 50     | 50     |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 188                                  | 188    | 188    | 188    | 188    | 188    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                               | 762                                  | 763    | 764    | 764    | 764    | 765    |
| SAN ANTONIO BASIN                       |                                               |                                      |        |        |        |        |        |
| ALAMO HEIGHTS                           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,420                                | 1,420  | 1,420  | 1,420  | 1,420  | 1,420  |
| ATASCOSA RURAL WSC                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 405                                  | 405    | 405    | 405    | 405    | 405    |
| BALCONES HEIGHTS                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 518                                  | 566    | 612    | 662    | 711    | 758    |
| CASTLE HILLS                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 395                                  | 375    | 359    | 351    | 350    | 349    |
| CHINA GROVE                             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 316                                  | 350    | 381    | 413    | 445    | 474    |
| CONVERSE                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 200                                  | 200    | 200    | 200    | 200    | 200    |
| CONVERSE                                | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 300                                  | 300    | 300    | 300    | 300    | 300    |
| CONVERSE                                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,133                                | 1,133  | 1,133  | 1,133  | 1,133  | 1,133  |
| EAST CENTRAL SUD                        | L   CANYON LAKE/RESERVOIR                     | 691                                  | 648    | 609    | 571    | 534    | 501    |
| EAST CENTRAL SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 645                                  | 630    | 618    | 606    | 596    | 587    |
| EAST CENTRAL SUD                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 2,953                                | 2,903  | 2,862  | 2,831  | 2,799  | 2,774  |
| ELMENDORF                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 308                                  | 394    | 474    | 552    | 625    | 691    |
| FAIR OAKS RANCH                         | L   CANYON LAKE/RESERVOIR                     | 1,170                                | 1,064  | 979    | 912    | 857    | 811    |
| FAIR OAKS RANCH                         | L   DIRECT REUSE                              | 354                                  | 322    | 296    | 276    | 259    | 245    |
| FAIR OAKS RANCH                         | L   TRINITY AQUIFER   COMAL COUNTY            | 866                                  | 788    | 725    | 676    | 634    | 601    |
| GREEN VALLEY SUD                        | L   CANYON LAKE/RESERVOIR                     | 9                                    | 8      | 8      | 8      | 8      | 7      |
| GREEN VALLEY SUD                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 40                                   | 39     | 37     | 35     | 34     | 32     |
| GREEN VALLEY SUD                        | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 39                                   | 36     | 34     | 34     | 32     | 31     |

**EXISTING WATER SUPPLY**

| REGION L                 | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |         |         |         |         |         |
|--------------------------|-----------------------------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|                          |                                               | 2020                                 | 2030    | 2040    | 2050    | 2060    | 2070    |
| BEXAR COUNTY             |                                               |                                      |         |         |         |         |         |
| SAN ANTONIO BASIN        |                                               |                                      |         |         |         |         |         |
| GREEN VALLEY SUD         | L   TRINITY AQUIFER   BEXAR COUNTY            | 13                                   | 12      | 12      | 12      | 10      | 10      |
| HELOTES                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,622                                | 1,998   | 2,349   | 2,690   | 3,005   | 3,295   |
| HILL COUNTRY VILLAGE     | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 234                                  | 230     | 226     | 224     | 224     | 224     |
| HOLLYWOOD PARK           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 949                                  | 953     | 959     | 969     | 983     | 997     |
| KIRBY                    | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 805                                  | 805     | 805     | 805     | 805     | 805     |
| LACKLAND AFB             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 2,000                                | 2,000   | 2,000   | 2,000   | 2,000   | 2,000   |
| LEON VALLEY              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,763                                | 1,784   | 1,805   | 1,829   | 1,857   | 1,883   |
| LIVE OAK                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 3,189                                | 3,192   | 3,180   | 3,173   | 3,172   | 3,172   |
| OLMOS PARK               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 564                                  | 623     | 678     | 736     | 791     | 843     |
| RANDOLPH AFB             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 2,000                                | 2,000   | 2,000   | 2,000   | 2,000   | 2,000   |
| SAN ANTONIO              | L   CANYON LAKE/RESERVOIR                     | 7,919                                | 7,919   | 3,919   | 3,919   | 3,919   | 3,919   |
| SAN ANTONIO              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 7,400                                | 7,400   | 7,400   | 7,400   | 7,400   | 7,400   |
| SAN ANTONIO              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 15,938                               | 18,501  | 18,501  | 18,501  | 18,501  | 18,501  |
| SAN ANTONIO              | L   DIRECT REUSE                              | 6,776                                | 6,776   | 6,776   | 6,776   | 6,776   | 6,776   |
| SAN ANTONIO              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 134,049                              | 133,445 | 132,884 | 132,298 | 131,715 | 131,171 |
| SAN ANTONIO              | L   GUADALUPE RUN-OF-RIVER                    | 270                                  | 270     | 270     | 270     | 270     | 270     |
| SAN ANTONIO              | L   TRINITY AQUIFER   BEXAR COUNTY            | 2,000                                | 2,000   | 2,000   | 2,000   | 2,000   | 2,000   |
| SAN ANTONIO WATER SYSTEM | L   CANYON LAKE/RESERVOIR                     | 0                                    | 0       | 0       | 0       | 0       | 0       |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 2,310                                | 2,272   | 2,240   | 2,216   | 2,194   | 2,178   |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 0                                    | 0       | 0       | 0       | 0       | 0       |
| SAN ANTONIO WATER SYSTEM | L   DIRECT REUSE                              | 0                                    | 0       | 0       | 0       | 0       | 0       |
| SAN ANTONIO WATER SYSTEM | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 13,702                               | 13,467  | 13,285  | 13,138  | 13,013  | 12,909  |
| SAN ANTONIO WATER SYSTEM | L   GUADALUPE RUN-OF-RIVER                    | 0                                    | 0       | 0       | 0       | 0       | 0       |
| SAN ANTONIO WATER SYSTEM | L   SAN ANTONIO RUN-OF-RIVER                  | 4,911                                | 4,827   | 4,761   | 4,709   | 4,664   | 4,627   |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   BEXAR COUNTY            | 4,789                                | 4,707   | 4,643   | 4,592   | 4,548   | 4,512   |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   COMAL COUNTY            | 277                                  | 273     | 269     | 266     | 263     | 261     |
| SCHERTZ                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 121                                  | 113     | 119     | 124     | 132     | 137     |
| SCHERTZ                  | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 121                                  | 113     | 119     | 124     | 132     | 137     |
| SCHERTZ                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 33                                   | 31      | 33      | 33      | 36      | 37      |
| SELMA                    | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 439                                  | 336     | 352     | 366     | 378     | 388     |
| SELMA                    | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 270                                  | 208     | 216     | 224     | 232     | 238     |
| SELMA                    | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 427                                  | 328     | 343     | 357     | 368     | 378     |
| SHAVANO PARK             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 679                                  | 679     | 679     | 679     | 679     | 679     |
| SOMERSET                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 221                                  | 240     | 259     | 279     | 300     | 319     |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |         |         |         |         |         |
|-----------------------------------------|-----------------------------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|                                         |                                               | 2020                                 | 2030    | 2040    | 2050    | 2060    | 2070    |
| BEXAR COUNTY                            |                                               |                                      |         |         |         |         |         |
| SAN ANTONIO BASIN                       |                                               |                                      |         |         |         |         |         |
| ST. HEDWIG                              | L   CANYON LAKE/RESERVOIR                     | 146                                  | 179     | 210     | 243     | 276     | 307     |
| ST. HEDWIG                              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 100                                  | 100     | 100     | 100     | 100     | 100     |
| ST. HEDWIG                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 100                                  | 100     | 100     | 100     | 100     | 100     |
| TERRELL HILLS                           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,299                                | 1,276   | 1,257   | 1,247   | 1,245   | 1,245   |
| THE OAKS WSC                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 221                                  | 221     | 221     | 221     | 221     | 221     |
| THE OAKS WSC                            | L   TRINITY AQUIFER   BEXAR COUNTY            | 270                                  | 270     | 270     | 270     | 270     | 270     |
| UNIVERSAL CITY                          | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 500                                  | 500     | 500     | 500     | 500     | 500     |
| UNIVERSAL CITY                          | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 300                                  | 300     | 300     | 300     | 300     | 300     |
| UNIVERSAL CITY                          | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1,979                                | 1,979   | 1,979   | 1,979   | 1,979   | 1,979   |
| VON ORMY                                | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 140                                  | 140     | 140     | 140     | 140     | 140     |
| VON ORMY                                | L   TRINITY AQUIFER   BEXAR COUNTY            | 70                                   | 70      | 70      | 70      | 70      | 70      |
| WATER SERVICES INC                      | L   TRINITY AQUIFER   BEXAR COUNTY            | 1,062                                | 1,052   | 1,041   | 1,032   | 1,023   | 1,015   |
| WINDCREST                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 877                                  | 877     | 877     | 877     | 877     | 877     |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 8,804                                | 8,804   | 8,804   | 8,804   | 8,804   | 8,804   |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 100                                  | 100     | 100     | 100     | 100     | 100     |
| COUNTY-OTHER                            | L   SAN ANTONIO RUN-OF-RIVER                  | 100                                  | 100     | 100     | 100     | 100     | 100     |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   BEXAR COUNTY            | 204                                  | 204     | 204     | 204     | 204     | 204     |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 2,699                                | 2,699   | 2,699   | 2,699   | 2,699   | 2,699   |
| MANUFACTURING                           | L   DIRECT REUSE                              | 4,076                                | 4,076   | 4,076   | 4,076   | 4,076   | 4,076   |
| MANUFACTURING                           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 18,841                               | 18,841  | 18,841  | 18,841  | 18,841  | 18,841  |
| MANUFACTURING                           | L   SAN ANTONIO RUN-OF-RIVER                  | 11                                   | 11      | 11      | 11      | 11      | 11      |
| MANUFACTURING                           | L   TRINITY AQUIFER   BEXAR COUNTY            | 5,776                                | 5,776   | 5,776   | 5,776   | 5,776   | 5,776   |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 400                                  | 400     | 400     | 400     | 400     | 400     |
| MINING                                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 4,562                                | 4,562   | 4,562   | 4,562   | 4,562   | 4,562   |
| MINING                                  | L   TRINITY AQUIFER   BEXAR COUNTY            | 2,858                                | 3,778   | 4,571   | 5,442   | 6,437   | 7,540   |
| STEAM ELECTRIC POWER                    | L   CALAVERAS LAKE/RESERVOIR                  | 36,900                               | 36,900  | 36,900  | 36,900  | 36,900  | 36,900  |
| STEAM ELECTRIC POWER                    | L   VICTOR BRAUNIG LAKE/RESERVOIR             | 12,000                               | 12,000  | 12,000  | 12,000  | 12,000  | 12,000  |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 14                                   | 14      | 14      | 14      | 14      | 14      |
| LIVESTOCK                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 511                                  | 511     | 511     | 511     | 511     | 511     |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY        | 402                                  | 402     | 402     | 402     | 402     | 402     |
| LIVESTOCK                               | L   TRINITY AQUIFER   BEXAR COUNTY            | 53                                   | 53      | 53      | 53      | 53      | 53      |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 542                                  | 542     | 542     | 542     | 542     | 542     |
| IRRIGATION                              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 3,768                                | 3,768   | 3,768   | 3,768   | 3,768   | 3,768   |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER                  | 1,887                                | 1,887   | 1,887   | 1,887   | 1,887   | 1,887   |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                               | 339,125                              | 341,575 | 337,820 | 338,265 | 338,897 | 339,699 |
| BEXAR COUNTY TOTAL EXISTING SUPPLY      |                                               | 339,887                              | 342,338 | 338,584 | 339,029 | 339,661 | 340,464 |
| CALDWELL COUNTY                         |                                               |                                      |         |         |         |         |         |
| COLORADO BASIN                          |                                               |                                      |         |         |         |         |         |
| AQUA WSC                                | K   CARRIZO-WILCOX AQUIFER   BASTROP COUNTY   | 35                                   | 33      | 31      | 27      | 24      | 20      |

**EXISTING WATER SUPPLY**

| REGION L                             | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|--------------------------------------|----------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                      |                                              | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| CALDWELL COUNTY                      |                                              |                                      |       |       |       |       |       |
| COLORADO BASIN                       |                                              |                                      |       |       |       |       |       |
| AQUA WSC                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 19                                   | 18    | 16    | 14    | 13    | 11    |
| CREEDMOOR-MAHA WSC                   | K   CARRIZO-WILCOX AQUIFER   BASTROP COUNTY  | 6                                    | 6     | 6     | 6     | 7     | 7     |
| CREEDMOOR-MAHA WSC                   | K   COLORADO RUN-OF-RIVER                    | 36                                   | 37    | 38    | 39    | 39    | 40    |
| CREEDMOOR-MAHA WSC                   | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 35                                   | 34    | 33    | 31    | 29    | 26    |
| MUSTANG RIDGE                        | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 32                                   | 43    | 53    | 66    | 78    | 91    |
| MUSTANG RIDGE                        | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 21                                   | 22    | 24    | 24    | 25    | 26    |
| MUSTANG RIDGE                        | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 16                                   | 17    | 18    | 18    | 19    | 19    |
| POLONIA WSC                          | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 400                                  | 398   | 397   | 395   | 394   | 390   |
| COUNTY-OTHER                         | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 229                                  | 229   | 229   | 229   | 229   | 229   |
| COUNTY-OTHER                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 4                                    | 4     | 4     | 4     | 4     | 4     |
| MINING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 11                                   | 9     | 6     | 4     | 2     | 1     |
| LIVESTOCK                            | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 41                                   | 41    | 41    | 41    | 41    | 41    |
| LIVESTOCK                            | L   COLORADO LIVESTOCK LOCAL SUPPLY          | 30                                   | 30    | 30    | 30    | 30    | 30    |
| IRRIGATION                           | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 19                                   | 19    | 19    | 19    | 19    | 19    |
| COLORADO BASIN TOTAL EXISTING SUPPLY |                                              | 934                                  | 940   | 945   | 947   | 953   | 954   |
| GUADALUPE BASIN                      |                                              |                                      |       |       |       |       |       |
| AQUA WSC                             | K   CARRIZO-WILCOX AQUIFER   BASTROP COUNTY  | 196                                  | 186   | 171   | 153   | 133   | 113   |
| AQUA WSC                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 105                                  | 99    | 91    | 81    | 71    | 60    |
| COUNTY LINE WSC                      | L   CANYON LAKE/RESERVOIR                    | 184                                  | 160   | 133   | 106   | 80    | 55    |
| COUNTY LINE WSC                      | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 35                                   | 33    | 31    | 29    | 27    | 25    |
| CREEDMOOR-MAHA WSC                   | K   CARRIZO-WILCOX AQUIFER   BASTROP COUNTY  | 2                                    | 2     | 2     | 2     | 2     | 2     |
| CREEDMOOR-MAHA WSC                   | K   COLORADO RUN-OF-RIVER                    | 9                                    | 10    | 10    | 10    | 10    | 10    |
| CREEDMOOR-MAHA WSC                   | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 9                                    | 9     | 8     | 8     | 7     | 7     |
| GOFORTH SUD                          | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 0                                    | 0     | 0     | 0     | 0     | 0     |
| GOFORTH SUD                          | L   CANYON LAKE/RESERVOIR                    | 28                                   | 26    | 24    | 21    | 20    | 18    |
| GOFORTH SUD                          | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 3                                    | 3     | 3     | 2     | 2     | 2     |
| GOFORTH SUD                          | L   TRINITY AQUIFER   HAYS COUNTY            | 84                                   | 78    | 70    | 63    | 58    | 52    |
| GONZALES COUNTY WSC                  | L   CANYON LAKE/RESERVOIR                    | 9                                    | 10    | 11    | 12    | 12    | 12    |
| GONZALES COUNTY WSC                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 53                                   | 60    | 65    | 69    | 72    | 74    |
| LOCKHART                             | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 2,063                                | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 |
| LULING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1,083                                | 1,084 | 1,084 | 1,084 | 1,084 | 1,084 |
| MARTINDALE                           | L   CANYON LAKE/RESERVOIR                    | 90                                   | 90    | 90    | 90    | 90    | 90    |
| MARTINDALE                           | L   GUADALUPE RUN-OF-RIVER                   | 100                                  | 100   | 100   | 100   | 100   | 100   |

**EXISTING WATER SUPPLY**

| REGION L                                    | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                             |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| CALDWELL COUNTY                             |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                             |                                              |                                      |        |        |        |        |        |
| MAXWELL WSC                                 | L   CANYON LAKE/RESERVOIR                    | 359                                  | 368    | 373    | 375    | 376    | 376    |
| MAXWELL WSC                                 | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 136                                  | 140    | 142    | 143    | 143    | 143    |
| MAXWELL WSC                                 | L   GUADALUPE RUN-OF-RIVER                   | 543                                  | 557    | 565    | 568    | 569    | 569    |
| MUSTANG RIDGE                               | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY      | 1                                    | 1      | 2      | 1      | 2      | 2      |
| MUSTANG RIDGE                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1                                    | 1      | 0      | 1      | 1      | 1      |
| MUSTANG RIDGE                               | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 0                                    | 0      | 0      | 1      | 0      | 0      |
| NIEDERWALD                                  | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 3                                    | 3      | 2      | 2      | 2      | 2      |
| POLONIA WSC                                 | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 846                                  | 846    | 843    | 840    | 834    | 827    |
| SAN MARCOS                                  | L   CANYON LAKE/RESERVOIR                    | 2                                    | 2      | 2      | 3      | 3      | 3      |
| SAN MARCOS                                  | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 1                                    | 1      | 1      | 1      | 1      | 1      |
| UHLAND                                      | L   CANYON LAKE/RESERVOIR                    | 79                                   | 94     | 110    | 126    | 142    | 158    |
| COUNTY-OTHER                                | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 1,086                                | 1,086  | 1,086  | 1,086  | 1,086  | 1,086  |
| COUNTY-OTHER                                | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY        | 55                                   | 55     | 55     | 55     | 55     | 55     |
| COUNTY-OTHER                                | L   GUADALUPE RUN-OF-RIVER                   | 500                                  | 500    | 500    | 500    | 500    | 500    |
| COUNTY-OTHER                                | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 141                                  | 141    | 141    | 141    | 141    | 141    |
| MANUFACTURING                               | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 13                                   | 13     | 13     | 13     | 13     | 13     |
| MINING                                      | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 112                                  | 89     | 66     | 42     | 18     | 8      |
| LIVESTOCK                                   | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 449                                  | 449    | 449    | 449    | 449    | 449    |
| LIVESTOCK                                   | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 471                                  | 471    | 471    | 471    | 471    | 471    |
| LIVESTOCK                                   | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 17                                   | 17     | 17     | 17     | 17     | 17     |
| IRRIGATION                                  | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY | 556                                  | 556    | 556    | 556    | 556    | 556    |
| IRRIGATION                                  | L   QUEEN CITY AQUIFER   CALDWELL COUNTY     | 77                                   | 77     | 77     | 77     | 77     | 77     |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY       |                                              | 9,501                                | 9,480  | 9,427  | 9,361  | 9,287  | 9,222  |
| CALDWELL COUNTY TOTAL EXISTING SUPPLY       |                                              | 10,435                               | 10,420 | 10,372 | 10,308 | 10,240 | 10,176 |
| CALHOUN COUNTY                              |                                              |                                      |        |        |        |        |        |
| COLORADO-LAVACA BASIN                       |                                              |                                      |        |        |        |        |        |
| POINT COMFORT                               | P   TEXANA LAKE/RESERVOIR                    | 178                                  | 178    | 178    | 178    | 178    | 178    |
| COUNTY-OTHER                                | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 170                                  | 170    | 169    | 170    | 170    | 169    |
| MANUFACTURING                               | L   GUADALUPE RUN-OF-RIVER                   | 18,946                               | 18,946 | 18,946 | 18,946 | 18,946 | 18,946 |
| MANUFACTURING                               | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 195                                  | 195    | 195    | 195    | 195    | 195    |
| MANUFACTURING                               | P   TEXANA LAKE/RESERVOIR                    | 16,857                               | 16,857 | 16,857 | 16,857 | 16,858 | 16,857 |
| MINING                                      | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 28                                   | 27     | 28     | 28     | 28     | 28     |
| LIVESTOCK                                   | L   COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY   | 64                                   | 64     | 64     | 64     | 64     | 64     |
| LIVESTOCK                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 2                                    | 2      | 2      | 2      | 2      | 2      |
| IRRIGATION                                  | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 148                                  | 148    | 148    | 148    | 148    | 148    |
| COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY |                                              | 36,588                               | 36,587 | 36,587 | 36,588 | 36,589 | 36,587 |
| GUADALUPE BASIN                             |                                              |                                      |        |        |        |        |        |
| LIVESTOCK                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY      | 2                                    | 2      | 2      | 2      | 2      | 2      |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY       |                                              | 2                                    | 2      | 2      | 2      | 2      | 2      |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|--------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                                        | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| CALHOUN COUNTY                                 |                                                        |                                      |        |        |        |        |        |
| LAVACA-GUADALUPE BASIN                         |                                                        |                                      |        |        |        |        |        |
| CALHOUN COUNTY WS                              | L   GUADALUPE RUN-OF-RIVER                             | 1,500                                | 1,500  | 1,500  | 1,500  | 1,500  | 1,500  |
| PORT LAVACA                                    | L   GUADALUPE RUN-OF-RIVER                             | 4,480                                | 4,480  | 4,480  | 4,480  | 4,480  | 4,480  |
| PORT O'CONNOR MUD                              | L   GUADALUPE RUN-OF-RIVER                             | 1,120                                | 1,120  | 1,120  | 1,120  | 1,120  | 1,120  |
| PORT O'CONNOR MUD                              | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 200                                  | 200    | 200    | 200    | 200    | 200    |
| SEADRIFT                                       | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 728                                  | 728    | 728    | 728    | 728    | 728    |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 231                                  | 232    | 232    | 231    | 231    | 233    |
| MANUFACTURING                                  | L   GUADALUPE RUN-OF-RIVER                             | 15,502                               | 15,502 | 15,502 | 15,502 | 15,502 | 15,502 |
| MANUFACTURING                                  | P   TEXANA LAKE/RESERVOIR                              | 13,793                               | 13,793 | 13,793 | 13,793 | 13,792 | 13,793 |
| MINING                                         | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 27                                   | 28     | 27     | 27     | 27     | 27     |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 168                                  | 168    | 168    | 168    | 168    | 168    |
| LIVESTOCK                                      | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY            | 92                                   | 92     | 92     | 92     | 92     | 92     |
| IRRIGATION                                     | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 1,051                                | 1,051  | 1,051  | 1,051  | 1,051  | 1,051  |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY   |                                                        | 38,892                               | 38,894 | 38,893 | 38,892 | 38,891 | 38,894 |
| SAN ANTONIO-NUECES BASIN                       |                                                        |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   CALHOUN COUNTY                | 24                                   | 23     | 24     | 24     | 24     | 23     |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY          | 16                                   | 16     | 16     | 16     | 16     | 16     |
| IRRIGATION                                     |                                                        | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                        | 40                                   | 39     | 40     | 40     | 40     | 39     |
| CALHOUN COUNTY TOTAL EXISTING SUPPLY           |                                                        | 75,522                               | 75,522 | 75,522 | 75,522 | 75,522 | 75,522 |
| COMAL COUNTY                                   |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                                        |                                      |        |        |        |        |        |
| BULVERDE                                       | L   CANYON LAKE/RESERVOIR                              | 6                                    | 7      | 7      | 8      | 9      | 10     |
| BULVERDE                                       | L   TRINITY AQUIFER   COMAL COUNTY                     | 3                                    | 3      | 4      | 5      | 5      | 5      |
| CANYON LAKE WATER SERVICE COMPANY              | L   CANYON LAKE/RESERVOIR                              | 4,033                                | 4,001  | 3,962  | 3,919  | 3,870  | 3,821  |
| CANYON LAKE WATER SERVICE COMPANY              | L   TRINITY AQUIFER   COMAL COUNTY                     | 3,723                                | 3,689  | 3,649  | 3,604  | 3,556  | 3,506  |
| CRYSTAL CLEAR WSC                              | L   CANYON LAKE/RESERVOIR                              | 153                                  | 149    | 144    | 140    | 136    | 133    |
| CRYSTAL CLEAR WSC                              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 36                                   | 35     | 33     | 32     | 31     | 30     |
| CRYSTAL CLEAR WSC                              | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 6                                    | 6      | 6      | 5      | 5      | 5      |
| CRYSTAL CLEAR WSC                              | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 120                                  | 117    | 113    | 111    | 107    | 104    |
| CRYSTAL CLEAR WSC                              | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 26                                   | 24     | 24     | 24     | 23     | 21     |
| GARDEN RIDGE                                   | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 213                                  | 213    | 213    | 213    | 213    | 213    |
| GARDEN RIDGE                                   | L   TRINITY AQUIFER   COMAL COUNTY                     | 196                                  | 196    | 195    | 195    | 196    | 195    |
| GREEN VALLEY SUD                               | L   CANYON LAKE/RESERVOIR                              | 1                                    | 1      | 1      | 1      | 1      | 1      |
| GREEN VALLEY SUD                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 5                                    | 5      | 5      | 5      | 5      | 5      |
| GREEN VALLEY SUD                               | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 4                                    | 5      | 5      | 5      | 5      | 5      |

**EXISTING WATER SUPPLY**

| REGION L                 | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |        |
|--------------------------|-----------------------------------------------|--------------------------------------|-------|-------|-------|-------|--------|
|                          |                                               | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070   |
| COMAL COUNTY             |                                               |                                      |       |       |       |       |        |
| GUADALUPE BASIN          |                                               |                                      |       |       |       |       |        |
| GREEN VALLEY SUD         | L   TRINITY AQUIFER   BEXAR COUNTY            | 1                                    | 2     | 2     | 2     | 2     | 2      |
| NEW BRAUNFELS            | L   CANYON LAKE/RESERVOIR                     | 8,072                                | 8,124 | 8,158 | 8,188 | 8,207 | 8,218  |
| NEW BRAUNFELS            | L   DIRECT REUSE                              | 89                                   | 89    | 90    | 90    | 90    | 90     |
| NEW BRAUNFELS            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 4,590                                | 4,620 | 4,640 | 4,657 | 4,668 | 4,674  |
| NEW BRAUNFELS            | L   GUADALUPE RUN-OF-RIVER                    | 563                                  | 567   | 569   | 571   | 572   | 573    |
| NEW BRAUNFELS            | L   TRINITY AQUIFER   BEXAR COUNTY            | 87                                   | 88    | 88    | 88    | 89    | 89     |
| NEW BRAUNFELS            | L   TRINITY AQUIFER   COMAL COUNTY            | 536                                  | 539   | 541   | 543   | 545   | 545    |
| SAN ANTONIO WATER SYSTEM | L   CANYON LAKE/RESERVOIR                     | 0                                    | 0     | 0     | 0     | 0     | 0      |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 54                                   | 70    | 84    | 94    | 104   | 112    |
| SAN ANTONIO WATER SYSTEM | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 0                                    | 0     | 0     | 0     | 0     | 0      |
| SAN ANTONIO WATER SYSTEM | L   DIRECT REUSE                              | 0                                    | 0     | 0     | 0     | 0     | 0      |
| SAN ANTONIO WATER SYSTEM | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 321                                  | 416   | 495   | 562   | 621   | 669    |
| SAN ANTONIO WATER SYSTEM | L   GUADALUPE RUN-OF-RIVER                    | 0                                    | 0     | 0     | 0     | 0     | 0      |
| SAN ANTONIO WATER SYSTEM | L   SAN ANTONIO RUN-OF-RIVER                  | 115                                  | 149   | 178   | 202   | 223   | 240    |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   BEXAR COUNTY            | 112                                  | 145   | 173   | 197   | 217   | 234    |
| SAN ANTONIO WATER SYSTEM | L   TRINITY AQUIFER   COMAL COUNTY            | 6                                    | 8     | 10    | 11    | 13    | 14     |
| SCHERTZ                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 125                                  | 151   | 190   | 227   | 266   | 298    |
| SCHERTZ                  | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 125                                  | 151   | 190   | 227   | 266   | 298    |
| SCHERTZ                  | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 35                                   | 42    | 53    | 63    | 74    | 83     |
| COUNTY-OTHER             | L   CANYON LAKE/RESERVOIR                     | 1,222                                | 1,222 | 1,222 | 1,222 | 1,222 | 1,222  |
| COUNTY-OTHER             | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 652                                  | 649   | 646   | 645   | 643   | 643    |
| COUNTY-OTHER             | L   TRINITY AQUIFER   BEXAR COUNTY            | 291                                  | 288   | 285   | 284   | 282   | 282    |
| COUNTY-OTHER             | L   TRINITY AQUIFER   COMAL COUNTY            | 2,356                                | 2,356 | 2,356 | 2,356 | 2,356 | 2,356  |
| MANUFACTURING            | L   CANYON LAKE/RESERVOIR                     | 4                                    | 4     | 4     | 4     | 4     | 4      |
| MANUFACTURING            | L   DIRECT REUSE                              | 784                                  | 784   | 784   | 784   | 784   | 784    |
| MANUFACTURING            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 2,031                                | 2,031 | 2,031 | 2,031 | 2,031 | 2,031  |
| MANUFACTURING            | L   GUADALUPE RUN-OF-RIVER                    | 100                                  | 100   | 100   | 100   | 100   | 100    |
| MANUFACTURING            | L   TRINITY AQUIFER   COMAL COUNTY            | 1,227                                | 1,227 | 1,227 | 1,227 | 1,227 | 1,227  |
| MINING                   | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 3,809                                | 3,809 | 3,809 | 3,809 | 3,809 | 3,809  |
| MINING                   | L   TRINITY AQUIFER   COMAL COUNTY            | 4,447                                | 5,787 | 7,077 | 8,203 | 9,614 | 11,194 |
| LIVESTOCK                | L   GUADALUPE LIVESTOCK LOCAL SUPPLY          | 120                                  | 120   | 120   | 120   | 120   | 120    |
| LIVESTOCK                | L   TRINITY AQUIFER   COMAL COUNTY            | 120                                  | 120   | 120   | 120   | 120   | 120    |
| IRRIGATION               | L   CANYON LAKE/RESERVOIR                     | 249                                  | 249   | 249   | 249   | 249   | 249    |
| IRRIGATION               | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 171                                  | 171   | 171   | 171   | 171   | 171    |
| IRRIGATION               | L   GUADALUPE RUN-OF-RIVER                    | 207                                  | 207   | 207   | 207   | 207   | 207    |
| IRRIGATION               | L   TRINITY AQUIFER   COMAL COUNTY            | 252                                  | 252   | 252   | 252   | 252   | 252    |



**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| COMAL COUNTY                          |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                               | 41,398                               | 42,988 | 44,482 | 45,773 | 47,310 | 48,964 |
| SAN ANTONIO BASIN                     |                                               |                                      |        |        |        |        |        |
| BULVERDE                              | L   CANYON LAKE/RESERVOIR                     | 596                                  | 663    | 734    | 806    | 880    | 951    |
| BULVERDE                              | L   TRINITY AQUIFER   COMAL COUNTY            | 198                                  | 266    | 336    | 409    | 483    | 555    |
| CANYON LAKE WATER SERVICE COMPANY     | L   CANYON LAKE/RESERVOIR                     | 999                                  | 990    | 981    | 970    | 958    | 945    |
| CANYON LAKE WATER SERVICE COMPANY     | L   TRINITY AQUIFER   COMAL COUNTY            | 922                                  | 913    | 903    | 892    | 880    | 867    |
| FAIR OAKS RANCH                       | L   CANYON LAKE/RESERVOIR                     | 95                                   | 96     | 96     | 98     | 98     | 99     |
| FAIR OAKS RANCH                       | L   DIRECT REUSE                              | 29                                   | 29     | 29     | 30     | 30     | 30     |
| FAIR OAKS RANCH                       | L   TRINITY AQUIFER   COMAL COUNTY            | 70                                   | 71     | 71     | 72     | 73     | 73     |
| GARDEN RIDGE                          | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 120                                  | 120    | 120    | 120    | 120    | 120    |
| GARDEN RIDGE                          | L   TRINITY AQUIFER   COMAL COUNTY            | 110                                  | 110    | 111    | 111    | 110    | 111    |
| SAN ANTONIO WATER SYSTEM              | L   CANYON LAKE/RESERVOIR                     | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM              | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY     | 46                                   | 60     | 72     | 82     | 90     | 98     |
| SAN ANTONIO WATER SYSTEM              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM              | L   DIRECT REUSE                              | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 275                                  | 357    | 425    | 482    | 532    | 577    |
| SAN ANTONIO WATER SYSTEM              | L   GUADALUPE RUN-OF-RIVER                    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM              | L   SAN ANTONIO RUN-OF-RIVER                  | 98                                   | 128    | 152    | 173    | 191    | 207    |
| SAN ANTONIO WATER SYSTEM              | L   TRINITY AQUIFER   BEXAR COUNTY            | 96                                   | 125    | 149    | 168    | 186    | 202    |
| SAN ANTONIO WATER SYSTEM              | L   TRINITY AQUIFER   COMAL COUNTY            | 6                                    | 7      | 9      | 10     | 11     | 12     |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 3                                    | 4      | 5      | 6      | 7      | 7      |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 3                                    | 4      | 5      | 6      | 7      | 7      |
| SCHERTZ                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 1                                    | 1      | 1      | 2      | 2      | 2      |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 2                                    | 2      | 2      | 2      | 2      | 2      |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 2                                    | 0      | 2      | 2      | 2      | 2      |
| SELMA                                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 2                                    | 1      | 2      | 2      | 2      | 2      |
| COUNTY-OTHER                          | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 150                                  | 153    | 156    | 157    | 159    | 159    |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   BEXAR COUNTY            | 15                                   | 18     | 21     | 22     | 24     | 24     |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   COMAL COUNTY            | 136                                  | 136    | 136    | 136    | 136    | 136    |
| MANUFACTURING                         | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 283                                  | 283    | 283    | 283    | 283    | 283    |
| MANUFACTURING                         | L   TRINITY AQUIFER   COMAL COUNTY            | 4                                    | 4      | 4      | 4      | 4      | 4      |
| MINING                                | L   TRINITY AQUIFER   COMAL COUNTY            | 344                                  | 400    | 454    | 501    | 559    | 625    |
| LIVESTOCK                             | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY        | 9                                    | 9      | 9      | 9      | 9      | 9      |
| LIVESTOCK                             | L   TRINITY AQUIFER   COMAL COUNTY            | 9                                    | 9      | 9      | 9      | 9      | 9      |

**EXISTING WATER SUPPLY**

| REGION L                                     | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|----------------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                              |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| COMAL COUNTY                                 |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                            |                                              |                                      |        |        |        |        |        |
| IRRIGATION                                   | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY       | 4                                    | 4      | 4      | 4      | 4      | 4      |
| IRRIGATION                                   | L   TRINITY AQUIFER   COMAL COUNTY           | 42                                   | 42     | 42     | 42     | 42     | 42     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY      |                                              | 4,669                                | 5,005  | 5,323  | 5,610  | 5,893  | 6,164  |
| COMAL COUNTY TOTAL EXISTING SUPPLY           |                                              | 46,067                               | 47,993 | 49,805 | 51,383 | 53,203 | 55,128 |
| DEWITT COUNTY                                |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                              |                                              |                                      |        |        |        |        |        |
| CUERO                                        | L   GULF COAST AQUIFER   DEWITT COUNTY       | 4,042                                | 4,042  | 4,042  | 4,042  | 4,042  | 4,042  |
| GONZALES COUNTY WSC                          | L   CANYON LAKE/RESERVOIR                    | 18                                   | 17     | 16     | 15     | 14     | 13     |
| GONZALES COUNTY WSC                          | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 104                                  | 98     | 92     | 85     | 80     | 74     |
| YORKTOWN                                     | L   GULF COAST AQUIFER   DEWITT COUNTY       | 972                                  | 972    | 972    | 972    | 972    | 972    |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY       | 1,184                                | 1,184  | 1,184  | 1,184  | 1,184  | 1,184  |
| MANUFACTURING                                | L   GULF COAST AQUIFER   DEWITT COUNTY       | 455                                  | 455    | 455    | 455    | 455    | 455    |
| MINING                                       | L   GULF COAST AQUIFER   DEWITT COUNTY       | 2,405                                | 2,259  | 1,668  | 1,081  | 494    | 229    |
| LIVESTOCK                                    | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 631                                  | 631    | 631    | 631    | 631    | 631    |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY       | 886                                  | 886    | 886    | 886    | 886    | 886    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY       | 520                                  | 520    | 520    | 520    | 520    | 520    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY        |                                              | 11,217                               | 11,064 | 10,466 | 9,871  | 9,278  | 9,006  |
| LAVACA BASIN                                 |                                              |                                      |        |        |        |        |        |
| YOAKUM                                       | L   GULF COAST AQUIFER   DEWITT COUNTY       | 458                                  | 458    | 458    | 458    | 458    | 458    |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY       | 206                                  | 208    | 215    | 224    | 225    | 225    |
| MANUFACTURING                                | L   GULF COAST AQUIFER   DEWITT COUNTY       | 314                                  | 317    | 329    | 343    | 345    | 345    |
| MINING                                       | L   GULF COAST AQUIFER   DEWITT COUNTY       | 462                                  | 438    | 335    | 226    | 104    | 48     |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY       | 27                                   | 27     | 27     | 27     | 27     | 27     |
| LIVESTOCK                                    | L   LAVACA LIVESTOCK LOCAL SUPPLY            | 282                                  | 282    | 282    | 282    | 282    | 282    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY       | 772                                  | 778    | 807    | 840    | 846    | 846    |
| LAVACA BASIN TOTAL EXISTING SUPPLY           |                                              | 2,521                                | 2,508  | 2,453  | 2,400  | 2,287  | 2,231  |
| LAVACA-GUADALUPE BASIN                       |                                              |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY       | 2                                    | 2      | 2      | 2      | 2      | 2      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY       | 9                                    | 9      | 9      | 9      | 9      | 9      |
| LIVESTOCK                                    | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY  | 9                                    | 9      | 9      | 9      | 9      | 9      |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY       | 15                                   | 15     | 15     | 15     | 15     | 15     |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                              | 35                                   | 35     | 35     | 35     | 35     | 35     |
| SAN ANTONIO BASIN                            |                                              |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   DEWITT COUNTY       | 89                                   | 89     | 89     | 89     | 89     | 89     |
| MINING                                       | L   GULF COAST AQUIFER   DEWITT COUNTY       | 254                                  | 238    | 176    | 113    | 52     | 24     |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   DEWITT COUNTY       | 75                                   | 75     | 75     | 75     | 75     | 75     |
| LIVESTOCK                                    | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 75                                   | 75     | 75     | 75     | 75     | 75     |
| IRRIGATION                                   | L   GULF COAST AQUIFER   DEWITT COUNTY       | 104                                  | 104    | 104    | 104    | 104    | 104    |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY      |                                              | 597                                  | 581    | 519    | 456    | 395    | 367    |
| DEWITT COUNTY TOTAL EXISTING SUPPLY          |                                              | 14,370                               | 14,188 | 13,473 | 12,762 | 11,995 | 11,639 |

**EXISTING WATER SUPPLY**

| REGION L                               | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|----------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                        |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| DIMMIT COUNTY                          |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                           |                                              |                                      |        |        |        |        |        |
| ASHERTON                               | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 313                                  | 313    | 313    | 313    | 313    | 313    |
| BIG WELLS                              | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 251                                  | 251    | 251    | 251    | 251    | 251    |
| CARRIZO SPRINGS                        | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 2,003                                | 2,003  | 2,003  | 2,003  | 2,003  | 2,003  |
| COUNTY-OTHER                           | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 311                                  | 311    | 311    | 311    | 311    | 311    |
| MINING                                 | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 92                                   | 92     | 92     | 92     | 92     | 92     |
| MINING                                 | L   NUECES RUN-OF-RIVER                      | 1                                    | 1      | 1      | 1      | 1      | 1      |
| LIVESTOCK                              | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 219                                  | 219    | 219    | 219    | 219    | 219    |
| LIVESTOCK                              | L   NUECES LIVESTOCK LOCAL SUPPLY            | 220                                  | 220    | 220    | 220    | 220    | 220    |
| IRRIGATION                             | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 64                                   | 64     | 64     | 64     | 64     | 64     |
| IRRIGATION                             | L   NUECES RUN-OF-RIVER                      | 2,261                                | 2,261  | 2,261  | 2,261  | 2,261  | 2,261  |
| NUECES BASIN TOTAL EXISTING SUPPLY     |                                              | 5,735                                | 5,735  | 5,735  | 5,735  | 5,735  | 5,735  |
| RIO GRANDE BASIN                       |                                              |                                      |        |        |        |        |        |
| COUNTY-OTHER                           | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 3                                    | 3      | 3      | 3      | 3      | 3      |
| MINING                                 |                                              | 0                                    | 0      | 0      | 0      | 0      | 0      |
| LIVESTOCK                              | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 25                                   | 25     | 25     | 25     | 25     | 25     |
| LIVESTOCK                              | L   RIO GRANDE LIVESTOCK LOCAL SUPPLY        | 24                                   | 24     | 24     | 24     | 24     | 24     |
| IRRIGATION                             | L   CARRIZO-WILCOX AQUIFER   DIMMIT COUNTY   | 78                                   | 78     | 78     | 78     | 78     | 78     |
| RIO GRANDE BASIN TOTAL EXISTING SUPPLY |                                              | 130                                  | 130    | 130    | 130    | 130    | 130    |
| DIMMIT COUNTY TOTAL EXISTING SUPPLY    |                                              | 5,865                                | 5,865  | 5,865  | 5,865  | 5,865  | 5,865  |
| FRIO COUNTY                            |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                           |                                              |                                      |        |        |        |        |        |
| BENTON CITY WSC                        | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 100                                  | 94     | 90     | 88     | 85     | 83     |
| DILLEY                                 | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 2,107                                | 2,107  | 2,107  | 2,107  | 2,107  | 2,107  |
| PEARSALL                               | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 2,731                                | 2,731  | 2,731  | 2,731  | 2,731  | 2,731  |
| COUNTY-OTHER                           | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 1,020                                | 1,020  | 1,020  | 1,020  | 1,020  | 1,020  |
| MINING                                 | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 517                                  | 550    | 528    | 386    | 220    | 190    |
| MINING                                 | L   QUEEN CITY AQUIFER   FRIO COUNTY         | 700                                  | 700    | 650    | 600    | 400    | 200    |
| STEAM ELECTRIC POWER                   | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 555                                  | 555    | 555    | 555    | 555    | 555    |
| LIVESTOCK                              | L   NUECES LIVESTOCK LOCAL SUPPLY            | 497                                  | 497    | 497    | 497    | 497    | 497    |
| LIVESTOCK                              | L   QUEEN CITY AQUIFER   FRIO COUNTY         | 497                                  | 497    | 497    | 497    | 497    | 497    |
| IRRIGATION                             | L   CARRIZO-WILCOX AQUIFER   FRIO COUNTY     | 68,922                               | 66,442 | 64,071 | 61,803 | 59,611 | 57,600 |
| IRRIGATION                             | L   QUEEN CITY AQUIFER   FRIO COUNTY         | 1,211                                | 1,211  | 1,211  | 1,211  | 1,211  | 1,211  |
| IRRIGATION                             | L   SPARTA AQUIFER   FRIO COUNTY             | 698                                  | 674    | 650    | 624    | 601    | 601    |
| NUECES BASIN TOTAL EXISTING SUPPLY     |                                              | 79,555                               | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| FRIO COUNTY TOTAL EXISTING SUPPLY      |                                              | 79,555                               | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| GOLIAD COUNTY                          |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                        |                                              |                                      |        |        |        |        |        |
| COUNTY-OTHER                           | L   GULF COAST AQUIFER   GOLIAD COUNTY       | 589                                  | 589    | 589    | 589    | 589    | 589    |
| MINING                                 | L   GULF COAST AQUIFER   GOLIAD COUNTY       | 126                                  | 126    | 126    | 126    | 126    | 126    |
| STEAM ELECTRIC POWER                   | L   CANYON LAKE/RESERVOIR                    | 4,000                                | 4,000  | 4,000  | 4,000  | 4,000  | 4,000  |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GOLIAD COUNTY                                  |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                               |                                      |        |        |        |        |        |
| STEAM ELECTRIC POWER                           | L   COLETO CREEK LAKE/RESERVOIR               | 24,160                               | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| STEAM ELECTRIC POWER                           | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 2,800                                | 2,800  | 2,800  | 2,800  | 2,800  | 2,800  |
| LIVESTOCK                                      | L   GUADALUPE LIVESTOCK LOCAL SUPPLY          | 140                                  | 140    | 140    | 140    | 140    | 140    |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 122                                  | 122    | 122    | 122    | 122    | 122    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 742                                  | 742    | 742    | 742    | 742    | 742    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY          |                                               | 32,679                               | 32,679 | 32,679 | 32,679 | 32,679 | 32,679 |
| SAN ANTONIO BASIN                              |                                               |                                      |        |        |        |        |        |
| GOLIAD                                         | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 804                                  | 804    | 804    | 804    | 804    | 804    |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 491                                  | 491    | 491    | 491    | 491    | 491    |
| MANUFACTURING                                  | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 122                                  | 122    | 122    | 122    | 122    | 122    |
| MINING                                         | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 275                                  | 275    | 275    | 275    | 275    | 275    |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 233                                  | 233    | 233    | 233    | 233    | 233    |
| LIVESTOCK                                      | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY        | 215                                  | 215    | 215    | 215    | 215    | 215    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 592                                  | 592    | 592    | 592    | 592    | 592    |
| IRRIGATION                                     | L   SAN ANTONIO RUN-OF-RIVER                  | 2,524                                | 2,524  | 2,524  | 2,524  | 2,524  | 2,524  |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY        |                                               | 5,256                                | 5,256  | 5,256  | 5,256  | 5,256  | 5,256  |
| SAN ANTONIO-NUECES BASIN                       |                                               |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 132                                  | 132    | 132    | 132    | 132    | 132    |
| MINING                                         | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 49                                   | 49     | 49     | 49     | 49     | 49     |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 209                                  | 209    | 209    | 209    | 209    | 209    |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 209                                  | 209    | 209    | 209    | 209    | 209    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   GOLIAD COUNTY        | 416                                  | 416    | 416    | 416    | 416    | 416    |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                               | 1,015                                | 1,015  | 1,015  | 1,015  | 1,015  | 1,015  |
| GOLIAD COUNTY TOTAL EXISTING SUPPLY            |                                               | 38,950                               | 38,950 | 38,950 | 38,950 | 38,950 | 38,950 |
| GONZALES COUNTY                                |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                                |                                               |                                      |        |        |        |        |        |
| GONZALES                                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 345                                  | 345    | 345    | 345    | 345    | 345    |
| GONZALES                                       | L   GUADALUPE RUN-OF-RIVER                    | 2,240                                | 2,240  | 2,240  | 2,240  | 2,240  | 2,240  |
| GONZALES COUNTY WSC                            | L   CANYON LAKE/RESERVOIR                     | 318                                  | 317    | 317    | 317    | 317    | 318    |
| GONZALES COUNTY WSC                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,836                                | 1,833  | 1,831  | 1,832  | 1,833  | 1,836  |
| NIXON                                          | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 2,632                                | 2,633  | 2,633  | 2,629  | 2,629  | 2,630  |
| SMILEY                                         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 225                                  | 225    | 225    | 225    | 225    | 225    |
| WAEOLDER                                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 597                                  | 597    | 597    | 597    | 597    | 597    |
| COUNTY-OTHER                                   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 539                                  | 539    | 539    | 539    | 539    | 539    |
| MANUFACTURING                                  | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,247                                | 1,247  | 1,247  | 1,247  | 1,247  | 1,247  |
| MANUFACTURING                                  | L   SPARTA AQUIFER   GONZALES COUNTY          | 1,140                                | 1,140  | 1,140  | 1,140  | 1,140  | 1,140  |
| MINING                                         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,600                                | 1,207  | 813    | 418    | 24     | 1      |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|--------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                                        | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GONZALES COUNTY                       |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                                        |                                      |        |        |        |        |        |
| LIVESTOCK                             | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 647                                  | 647    | 647    | 647    | 647    | 647    |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY                   | 2,315                                | 2,315  | 2,315  | 2,315  | 2,315  | 2,315  |
| LIVESTOCK                             | L   GULF COAST AQUIFER   GONZALES COUNTY               | 35                                   | 35     | 35     | 35     | 35     | 35     |
| LIVESTOCK                             | L   QUEEN CITY AQUIFER   GONZALES COUNTY               | 554                                  | 554    | 554    | 554    | 554    | 554    |
| LIVESTOCK                             | L   SPARTA AQUIFER   GONZALES COUNTY                   | 449                                  | 449    | 449    | 449    | 449    | 449    |
| LIVESTOCK                             | L   YEGUA-JACKSON AQUIFER   GONZALES COUNTY            | 629                                  | 629    | 629    | 629    | 629    | 629    |
| IRRIGATION                            | L   CANYON LAKE/RESERVOIR                              | 7                                    | 7      | 7      | 7      | 7      | 7      |
| IRRIGATION                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 1,027                                | 1,027  | 1,027  | 1,027  | 1,027  | 1,027  |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                             | 1,800                                | 1,800  | 1,800  | 1,800  | 1,800  | 1,800  |
| IRRIGATION                            | L   QUEEN CITY AQUIFER   GONZALES COUNTY               | 629                                  | 629    | 629    | 629    | 629    | 629    |
| IRRIGATION                            | L   YEGUA-JACKSON AQUIFER   GONZALES COUNTY            | 140                                  | 140    | 140    | 140    | 140    | 140    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                                        | 20,951                               | 20,555 | 20,159 | 19,761 | 19,368 | 19,350 |
| LAVACA BASIN                          |                                                        |                                      |        |        |        |        |        |
| COUNTY-OTHER                          | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 33                                   | 33     | 33     | 33     | 33     | 33     |
| LIVESTOCK                             | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 54                                   | 54     | 54     | 54     | 54     | 54     |
| LIVESTOCK                             | L   LAVACA LIVESTOCK LOCAL SUPPLY                      | 53                                   | 53     | 53     | 53     | 53     | 53     |
| LAVACA BASIN TOTAL EXISTING SUPPLY    |                                                        | 140                                  | 140    | 140    | 140    | 140    | 140    |
| GONZALES COUNTY TOTAL EXISTING SUPPLY |                                                        | 21,091                               | 20,695 | 20,299 | 19,901 | 19,508 | 19,490 |
| GUADALUPE COUNTY                      |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                                        |                                      |        |        |        |        |        |
| CRYSTAL CLEAR WSC                     | L   CANYON LAKE/RESERVOIR                              | 824                                  | 834    | 837    | 831    | 824    | 813    |
| CRYSTAL CLEAR WSC                     | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 190                                  | 192    | 193    | 192    | 190    | 188    |
| CRYSTAL CLEAR WSC                     | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 32                                   | 32     | 32     | 32     | 32     | 31     |
| CRYSTAL CLEAR WSC                     | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 647                                  | 655    | 657    | 652    | 647    | 639    |
| CRYSTAL CLEAR WSC                     | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 136                                  | 138    | 138    | 137    | 136    | 135    |
| GONZALES COUNTY WSC                   | L   CANYON LAKE/RESERVOIR                              | 5                                    | 6      | 6      | 6      | 7      | 7      |
| GONZALES COUNTY WSC                   | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 30                                   | 32     | 35     | 37     | 38     | 39     |
| GREEN VALLEY SUD                      | L   CANYON LAKE/RESERVOIR                              | 31                                   | 32     | 32     | 32     | 32     | 32     |
| GREEN VALLEY SUD                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 145                                  | 145    | 146    | 147    | 148    | 149    |
| GREEN VALLEY SUD                      | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 139                                  | 140    | 141    | 141    | 142    | 143    |
| GREEN VALLEY SUD                      | L   TRINITY AQUIFER   BEXAR COUNTY                     | 48                                   | 48     | 48     | 48     | 49     | 49     |
| LULING                                | L   CARRIZO-WILCOX AQUIFER   CALDWELL COUNTY           | 5                                    | 4      | 4      | 4      | 4      | 4      |
| NEW BRAUNFELS                         | L   CANYON LAKE/RESERVOIR                              | 1,648                                | 1,596  | 1,562  | 1,532  | 1,513  | 1,502  |
| NEW BRAUNFELS                         | L   DIRECT REUSE                                       | 18                                   | 18     | 17     | 17     | 17     | 17     |
| NEW BRAUNFELS                         | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 938                                  | 908    | 888    | 871    | 860    | 854    |

**EXISTING WATER SUPPLY**

| REGION L             | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|----------------------|-----------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                      |                                               | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| GUADALUPE COUNTY     |                                               |                                      |       |       |       |       |       |
| GUADALUPE BASIN      |                                               |                                      |       |       |       |       |       |
| NEW BRAUNFELS        | L   GUADALUPE RUN-OF-RIVER                    | 115                                  | 111   | 109   | 107   | 106   | 105   |
| NEW BRAUNFELS        | L   TRINITY AQUIFER   BEXAR COUNTY            | 18                                   | 17    | 17    | 17    | 16    | 16    |
| NEW BRAUNFELS        | L   TRINITY AQUIFER   COMAL COUNTY            | 109                                  | 106   | 104   | 102   | 100   | 100   |
| SANTA CLARA          | L   CANYON LAKE/RESERVOIR                     | 14                                   | 14    | 14    | 14    | 14    | 14    |
| SANTA CLARA          | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 21                                   | 20    | 20    | 21    | 20    | 20    |
| SCHERTZ              | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 241                                  | 239   | 236   | 233   | 229   | 226   |
| SCHERTZ              | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 241                                  | 239   | 236   | 233   | 229   | 226   |
| SCHERTZ              | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 67                                   | 66    | 65    | 65    | 64    | 63    |
| SEGUIN               | L   CANYON LAKE/RESERVOIR                     | 1,160                                | 1,171 | 1,200 | 1,263 | 1,329 | 1,397 |
| SEGUIN               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 5,940                                | 5,951 | 5,980 | 6,043 | 6,109 | 6,177 |
| SEGUIN               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 1,381                                | 1,390 | 1,419 | 1,482 | 1,550 | 1,616 |
| SEGUIN               | L   DIRECT REUSE                              | 60                                   | 60    | 60    | 60    | 60    | 60    |
| SPRINGS HILL WSC     | L   CANYON LAKE/RESERVOIR                     | 3,604                                | 3,584 | 3,533 | 3,421 | 3,302 | 3,183 |
| SPRINGS HILL WSC     | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 681                                  | 662   | 610   | 498   | 380   | 329   |
| SPRINGS HILL WSC     | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 646                                  | 628   | 577   | 465   | 346   | 159   |
| SPRINGS HILL WSC     | L   GUADALUPE RUN-OF-RIVER                    | 79                                   | 79    | 79    | 79    | 79    | 79    |
| COUNTY-OTHER         | L   CANYON LAKE/RESERVOIR                     | 649                                  | 762   | 783   | 828   | 877   | 924   |
| COUNTY-OTHER         | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 218                                  | 261   | 282   | 327   | 375   | 368   |
| COUNTY-OTHER         | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 1,128                                | 1,152 | 1,172 | 1,217 | 1,264 | 1,367 |
| COUNTY-OTHER         | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 60                                   | 70    | 70    | 70    | 70    | 70    |
| COUNTY-OTHER         | L   GUADALUPE RUN-OF-RIVER                    | 61                                   | 61    | 61    | 61    | 61    | 61    |
| COUNTY-OTHER         | L   TRINITY AQUIFER   BEXAR COUNTY            | 30                                   | 35    | 35    | 35    | 35    | 35    |
| MANUFACTURING        | L   CANYON LAKE/RESERVOIR                     | 985                                  | 985   | 985   | 985   | 985   | 985   |
| MANUFACTURING        | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 1,000                                | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| MANUFACTURING        | L   EDWARDS-BFZ AQUIFER   GUADALUPE COUNTY    | 208                                  | 208   | 208   | 208   | 208   | 208   |
| MANUFACTURING        | L   GUADALUPE RUN-OF-RIVER                    | 1,459                                | 1,459 | 1,459 | 1,459 | 1,459 | 1,459 |
| MINING               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 342                                  | 412   | 479   | 566   | 663   | 782   |
| STEAM ELECTRIC POWER | L   CANYON LAKE/RESERVOIR                     | 6,840                                | 6,840 | 6,840 | 6,840 | 6,840 | 6,840 |
| STEAM ELECTRIC POWER | L   DIRECT REUSE                              | 1,352                                | 1,352 | 1,352 | 1,352 | 1,352 | 1,352 |
| STEAM ELECTRIC POWER | L   GUADALUPE RUN-OF-RIVER                    | 5,600                                | 5,600 | 5,600 | 5,600 | 5,600 | 5,600 |
| LIVESTOCK            | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 418                                  | 418   | 418   | 418   | 418   | 418   |
| LIVESTOCK            | L   GUADALUPE LIVESTOCK LOCAL SUPPLY          | 523                                  | 523   | 523   | 523   | 523   | 523   |
| IRRIGATION           | L   CANYON LAKE/RESERVOIR                     | 336                                  | 336   | 336   | 336   | 336   | 336   |
| IRRIGATION           | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 122                                  | 122   | 122   | 122   | 122   | 122   |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                   | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|-----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                               | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GUADALUPE COUNTY                      |                                               |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                               |                                      |        |        |        |        |        |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                    | 1,037                                | 1,037  | 1,037  | 1,037  | 1,037  | 1,037  |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                               | 41,581                               | 41,750 | 41,757 | 41,766 | 41,797 | 41,859 |
| SAN ANTONIO BASIN                     |                                               |                                      |        |        |        |        |        |
| CIBOLO                                | L   CANYON LAKE/RESERVOIR                     | 2,526                                | 2,526  | 2,526  | 2,526  | 2,526  | 2,526  |
| CIBOLO                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 1,050                                | 1,050  | 1,050  | 1,050  | 1,050  | 1,050  |
| EAST CENTRAL SUD                      | L   CANYON LAKE/RESERVOIR                     | 49                                   | 50     | 50     | 50     | 49     | 48     |
| EAST CENTRAL SUD                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 46                                   | 49     | 51     | 53     | 55     | 56     |
| EAST CENTRAL SUD                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 211                                  | 225    | 237    | 246    | 257    | 267    |
| GREEN VALLEY SUD                      | L   CANYON LAKE/RESERVOIR                     | 23                                   | 23     | 23     | 23     | 23     | 24     |
| GREEN VALLEY SUD                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 105                                  | 106    | 107    | 108    | 108    | 109    |
| GREEN VALLEY SUD                      | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 101                                  | 102    | 103    | 103    | 104    | 104    |
| GREEN VALLEY SUD                      | L   TRINITY AQUIFER   BEXAR COUNTY            | 35                                   | 35     | 35     | 35     | 36     | 36     |
| MARION                                | L   CANYON LAKE/RESERVOIR                     | 208                                  | 208    | 208    | 208    | 208    | 208    |
| MARION                                | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 5                                    | 5      | 5      | 5      | 5      | 5      |
| MARION                                | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY        | 114                                  | 114    | 114    | 114    | 114    | 114    |
| MARION                                | L   TRINITY AQUIFER   BEXAR COUNTY            | 5                                    | 5      | 5      | 5      | 5      | 5      |
| NEW BERLIN                            | L   CANYON LAKE/RESERVOIR                     | 34                                   | 40     | 47     | 53     | 60     | 66     |
| NEW BERLIN                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 34                                   | 40     | 46     | 53     | 59     | 66     |
| NEW BERLIN                            | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 34                                   | 40     | 47     | 53     | 60     | 66     |
| SANTA CLARA                           | L   CANYON LAKE/RESERVOIR                     | 86                                   | 86     | 86     | 86     | 86     | 86     |
| SANTA CLARA                           | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 123                                  | 124    | 124    | 123    | 124    | 124    |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 3,010                                | 2,993  | 2,950  | 2,910  | 2,866  | 2,832  |
| SCHERTZ                               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 3,010                                | 2,993  | 2,950  | 2,910  | 2,866  | 2,832  |
| SCHERTZ                               | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 834                                  | 830    | 818    | 807    | 794    | 785    |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 209                                  | 312    | 296    | 282    | 270    | 260    |
| SELMA                                 | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 128                                  | 192    | 182    | 174    | 166    | 160    |
| SELMA                                 | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY        | 204                                  | 304    | 288    | 274    | 263    | 253    |
| SPRINGS HILL WSC                      | L   CANYON LAKE/RESERVOIR                     | 485                                  | 484    | 476    | 461    | 446    | 429    |
| SPRINGS HILL WSC                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY  | 91                                   | 89     | 82     | 67     | 51     | 44     |
| SPRINGS HILL WSC                      | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY | 87                                   | 85     | 78     | 63     | 47     | 21     |
| SPRINGS HILL WSC                      | L   GUADALUPE RUN-OF-RIVER                    | 11                                   | 11     | 11     | 11     | 11     | 11     |
| WATER SERVICES INC                    | L   TRINITY AQUIFER   BEXAR COUNTY            | 64                                   | 69     | 72     | 76     | 79     | 82     |
| COUNTY-OTHER                          | L   CANYON LAKE/RESERVOIR                     | 426                                  | 323    | 332    | 351    | 370    | 391    |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                            | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|--------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                                        | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| GUADALUPE COUNTY                        |                                                        |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                                        |                                      |        |        |        |        |        |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 145                                  | 112    | 121    | 140    | 160    | 157    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 173                                  | 160    | 169    | 188    | 208    | 252    |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   COMAL COUNTY                 | 40                                   | 30     | 30     | 30     | 30     | 30     |
| COUNTY-OTHER                            | L   TRINITY AQUIFER   BEXAR COUNTY                     | 20                                   | 15     | 15     | 15     | 15     | 15     |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 15                                   | 15     | 15     | 15     | 15     | 15     |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 114                                  | 138    | 160    | 189    | 221    | 261    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 105                                  | 105    | 105    | 105    | 105    | 105    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 75                                   | 75     | 75     | 75     | 75     | 75     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                                        | 14,035                               | 14,163 | 14,089 | 14,037 | 13,987 | 13,970 |
| GUADALUPE COUNTY TOTAL EXISTING SUPPLY  |                                                        | 55,616                               | 55,913 | 55,846 | 55,803 | 55,784 | 55,829 |
| HAYS COUNTY                             |                                                        |                                      |        |        |        |        |        |
| GUADALUPE BASIN                         |                                                        |                                      |        |        |        |        |        |
| BUDA                                    | K   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 79                                   | 79     | 79     | 79     | 79     | 79     |
| BUDA                                    | L   CANYON LAKE/RESERVOIR                              | 243                                  | 243    | 243    | 243    | 243    | 243    |
| COUNTY LINE WSC                         | L   CANYON LAKE/RESERVOIR                              | 405                                  | 380    | 349    | 306    | 255    | 194    |
| COUNTY LINE WSC                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 77                                   | 79     | 81     | 83     | 85     | 87     |
| CREEDMOOR-MAHA WSC                      | K   CARRIZO-WILCOX AQUIFER   BASTROP COUNTY            | 1                                    | 1      | 1      | 1      | 1      | 1      |
| CREEDMOOR-MAHA WSC                      | K   COLORADO RUN-OF-RIVER                              | 3                                    | 3      | 4      | 4      | 5      | 5      |
| CREEDMOOR-MAHA WSC                      | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY                | 3                                    | 3      | 3      | 3      | 3      | 3      |
| CRYSTAL CLEAR WSC                       | L   CANYON LAKE/RESERVOIR                              | 323                                  | 317    | 319    | 329    | 340    | 354    |
| CRYSTAL CLEAR WSC                       | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY           | 74                                   | 73     | 74     | 76     | 79     | 82     |
| CRYSTAL CLEAR WSC                       | L   CARRIZO-WILCOX AQUIFER   GUADALUPE COUNTY          | 12                                   | 12     | 12     | 13     | 13     | 14     |
| CRYSTAL CLEAR WSC                       | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 254                                  | 249    | 251    | 258    | 267    | 278    |
| CRYSTAL CLEAR WSC                       | L   GUADALUPE RIVER ALLUVIUM AQUIFER   CALDWELL COUNTY | 53                                   | 53     | 53     | 54     | 56     | 59     |
| GOFORTH SUD                             | K   EDWARDS-BFZ AQUIFER   TRAVIS COUNTY                | 7                                    | 7      | 6      | 6      | 6      | 6      |
| GOFORTH SUD                             | L   CANYON LAKE/RESERVOIR                              | 957                                  | 948    | 943    | 940    | 938    | 936    |
| GOFORTH SUD                             | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 105                                  | 104    | 103    | 103    | 103    | 103    |
| GOFORTH SUD                             | L   TRINITY AQUIFER   HAYS COUNTY                      | 2,834                                | 2,807  | 2,793  | 2,783  | 2,777  | 2,774  |
| KYLE                                    | L   CANYON LAKE/RESERVOIR                              | 5,743                                | 5,743  | 5,743  | 5,743  | 5,743  | 5,743  |
| KYLE                                    | L   DIRECT REUSE                                       | 199                                  | 199    | 199    | 199    | 199    | 199    |
| KYLE                                    | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 390                                  | 390    | 390    | 390    | 390    | 390    |
| MAXWELL WSC                             | L   CANYON LAKE/RESERVOIR                              | 101                                  | 92     | 87     | 85     | 84     | 84     |
| MAXWELL WSC                             | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 39                                   | 35     | 33     | 32     | 32     | 32     |
| MAXWELL WSC                             | L   GUADALUPE RUN-OF-RIVER                             | 153                                  | 139    | 131    | 128    | 127    | 127    |
| MOUNTAIN CITY                           | K   EDWARDS-BFZ AQUIFER   HAYS COUNTY                  | 15                                   | 16     | 18     | 18     | 18     | 18     |



**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|--------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                            | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| HAYS COUNTY                           |                                            |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                            |                                      |        |        |        |        |        |
| MOUNTAIN CITY                         | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 13                                   | 13     | 13     | 13     | 13     | 13     |
| NIEDERWALD                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 10                                   | 10     | 11     | 11     | 11     | 11     |
| PLUM CREEK WATER COMPANY              | L   TRINITY AQUIFER   HAYS COUNTY          | 939                                  | 920    | 903    | 889    | 878    | 870    |
| SAN MARCOS                            | L   CANYON LAKE/RESERVOIR                  | 9,998                                | 9,998  | 9,998  | 9,997  | 9,997  | 9,997  |
| SAN MARCOS                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 3,803                                | 3,803  | 3,803  | 3,803  | 3,803  | 3,803  |
| UHLAND                                | L   CANYON LAKE/RESERVOIR                  | 99                                   | 133    | 175    | 229    | 290    | 360    |
| WIMBERLEY                             | L   TRINITY AQUIFER   HAYS COUNTY          | 844                                  | 844    | 844    | 844    | 844    | 844    |
| WIMBERLEY WSC                         | L   TRINITY AQUIFER   HAYS COUNTY          | 683                                  | 683    | 683    | 683    | 683    | 683    |
| WOODCREEK                             | L   TRINITY AQUIFER   HAYS COUNTY          | 998                                  | 998    | 998    | 998    | 998    | 998    |
| COUNTY-OTHER                          | L   CANYON LAKE/RESERVOIR                  | 3,817                                | 3,817  | 3,817  | 3,817  | 3,817  | 3,817  |
| COUNTY-OTHER                          | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 947                                  | 947    | 947    | 947    | 947    | 947    |
| COUNTY-OTHER                          | L   TRINITY AQUIFER   HAYS COUNTY          | 341                                  | 341    | 341    | 341    | 341    | 341    |
| MANUFACTURING                         |                                            | 0                                    | 0      | 0      | 0      | 0      | 0      |
| STEAM ELECTRIC POWER                  | L   CANYON LAKE/RESERVOIR                  | 2,464                                | 2,464  | 2,464  | 2,464  | 2,464  | 2,464  |
| STEAM ELECTRIC POWER                  | L   DIRECT REUSE                           | 2,912                                | 2,912  | 2,912  | 2,912  | 2,912  | 2,912  |
| LIVESTOCK                             | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 161                                  | 161    | 161    | 161    | 161    | 161    |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY       | 204                                  | 204    | 204    | 204    | 204    | 204    |
| LIVESTOCK                             | L   TRINITY AQUIFER   HAYS COUNTY          | 45                                   | 45     | 45     | 45     | 45     | 45     |
| IRRIGATION                            | L   DIRECT REUSE                           | 224                                  | 224    | 224    | 224    | 224    | 224    |
| IRRIGATION                            | L   EDWARDS-BFZ AQUIFER   HAYS COUNTY      | 282                                  | 282    | 282    | 282    | 282    | 282    |
| IRRIGATION                            | L   GUADALUPE RUN-OF-RIVER                 | 130                                  | 130    | 130    | 130    | 130    | 130    |
| IRRIGATION                            | L   TRINITY AQUIFER   HAYS COUNTY          | 102                                  | 102    | 102    | 102    | 102    | 102    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                            | 41,086                               | 41,003 | 40,972 | 40,972 | 40,989 | 41,019 |
| HAYS COUNTY TOTAL EXISTING SUPPLY     |                                            | 41,086                               | 41,003 | 40,972 | 40,972 | 40,989 | 41,019 |
| KARNES COUNTY                         |                                            |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                            |                                      |        |        |        |        |        |
| EL OSO WSC                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 3                                    | 2      | 2      | 3      | 4      | 3      |
| EL OSO WSC                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 4                                    | 3      | 3      | 3      | 3      | 3      |
| EL OSO WSC                            | N   GULF COAST AQUIFER   BEE COUNTY        | 0                                    | 0      | 0      | 0      | 1      | 0      |
| EL OSO WSC                            | N   GULF COAST AQUIFER   LIVE OAK COUNTY   | 5                                    | 4      | 4      | 3      | 4      | 3      |
| COUNTY-OTHER                          | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 20                                   | 20     | 20     | 20     | 20     | 20     |
| COUNTY-OTHER                          | L   GULF COAST AQUIFER   KARNES COUNTY     | 8                                    | 8      | 8      | 8      | 8      | 8      |
| MINING                                | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 152                                  | 115    | 77     | 40     | 2      | 0      |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY       | 20                                   | 20     | 20     | 20     | 20     | 20     |
| LIVESTOCK                             | L   GULF COAST AQUIFER   KARNES COUNTY     | 4                                    | 4      | 4      | 4      | 4      | 4      |
| LIVESTOCK                             | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 17                                   | 17     | 17     | 17     | 17     | 17     |
| IRRIGATION                            | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 30                                   | 30     | 30     | 30     | 30     | 30     |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                            | 263                                  | 223    | 185    | 148    | 113    | 108    |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|-----------------------------------------|--------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                         |                                            | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| KARNES COUNTY                           |                                            |                                      |       |       |       |       |       |
| NUECES BASIN                            |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 7                                    | 7     | 8     | 8     | 8     | 8     |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 10                                   | 10    | 10    | 10    | 9     | 9     |
| EL OSO WSC                              | N   GULF COAST AQUIFER   BEE COUNTY        | 3                                    | 2     | 2     | 2     | 3     | 3     |
| EL OSO WSC                              | N   GULF COAST AQUIFER   LIVE OAK COUNTY   | 10                                   | 10    | 10    | 10    | 10    | 10    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 20                                   | 20    | 20    | 20    | 20    | 20    |
| MINING                                  | L   GULF COAST AQUIFER   KARNES COUNTY     | 36                                   | 36    | 35    | 31    | 28    | 26    |
| LIVESTOCK                               | L   GULF COAST AQUIFER   KARNES COUNTY     | 42                                   | 42    | 42    | 42    | 42    | 42    |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 22                                   | 22    | 22    | 22    | 22    | 22    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 42                                   | 42    | 42    | 42    | 42    | 42    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                            | 192                                  | 191   | 191   | 187   | 184   | 182   |
| SAN ANTONIO BASIN                       |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 206                                  | 217   | 223   | 227   | 228   | 226   |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 289                                  | 289   | 285   | 282   | 270   | 268   |
| EL OSO WSC                              | N   GULF COAST AQUIFER   BEE COUNTY        | 94                                   | 94    | 93    | 92    | 91    | 90    |
| EL OSO WSC                              | N   GULF COAST AQUIFER   LIVE OAK COUNTY   | 295                                  | 294   | 291   | 289   | 285   | 283   |
| FALLS CITY                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 220                                  | 233   | 243   | 248   | 252   | 252   |
| KARNES CITY                             | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 289                                  | 306   | 319   | 326   | 331   | 331   |
| KENEDY                                  | L   GULF COAST AQUIFER   KARNES COUNTY     | 1,260                                | 1,257 | 1,256 | 1,254 | 1,211 | 1,211 |
| RUNGE                                   | L   GULF COAST AQUIFER   KARNES COUNTY     | 274                                  | 273   | 273   | 273   | 263   | 263   |
| SUNKO WSC                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY | 54                                   | 47    | 40    | 35    | 31    | 29    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 51                                   | 52    | 52    | 52    | 52    | 52    |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 549                                  | 548   | 548   | 547   | 528   | 528   |
| MANUFACTURING                           | L   GULF COAST AQUIFER   KARNES COUNTY     | 229                                  | 228   | 228   | 228   | 220   | 220   |
| MINING                                  | L   DIRECT REUSE                           | 30                                   | 30    | 30    | 30    | 30    | 30    |
| MINING                                  | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 411                                  | 411   | 411   | 411   | 15    | 1     |
| LIVESTOCK                               | L   GULF COAST AQUIFER   KARNES COUNTY     | 275                                  | 274   | 274   | 273   | 264   | 264   |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY     | 547                                  | 548   | 548   | 549   | 558   | 558   |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   KARNES COUNTY  | 217                                  | 217   | 217   | 217   | 217   | 217   |
| IRRIGATION                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 32                                   | 32    | 32    | 32    | 31    | 31    |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER               | 725                                  | 725   | 725   | 725   | 725   | 725   |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                            | 6,047                                | 6,075 | 6,088 | 6,090 | 5,602 | 5,579 |
| SAN ANTONIO-NUECES BASIN                |                                            |                                      |       |       |       |       |       |
| EL OSO WSC                              | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY | 2                                    | 2     | 2     | 2     | 2     | 2     |
| EL OSO WSC                              | L   GULF COAST AQUIFER   KARNES COUNTY     | 3                                    | 3     | 3     | 3     | 3     | 3     |
| EL OSO WSC                              | N   GULF COAST AQUIFER   BEE COUNTY        | 1                                    | 1     | 1     | 1     | 1     | 1     |
| EL OSO WSC                              | N   GULF COAST AQUIFER   LIVE OAK COUNTY   | 3                                    | 3     | 3     | 3     | 3     | 3     |
| COUNTY-OTHER                            | L   GULF COAST AQUIFER   KARNES COUNTY     | 20                                   | 20    | 20    | 20    | 20    | 20    |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                          | EXISTING SUPPLY (ACRE-FEET PER YEAR) |       |       |       |       |       |
|------------------------------------------------|------------------------------------------------------|--------------------------------------|-------|-------|-------|-------|-------|
|                                                |                                                      | 2020                                 | 2030  | 2040  | 2050  | 2060  | 2070  |
| KARNES COUNTY                                  |                                                      |                                      |       |       |       |       |       |
| SAN ANTONIO-NUECES BASIN                       |                                                      |                                      |       |       |       |       |       |
| MINING                                         | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY           | 1                                    | 1     | 1     | 1     | 1     | 1     |
| MINING                                         | L   GULF COAST AQUIFER   KARNES COUNTY               | 34                                   | 34    | 34    | 34    | 9     | 0     |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   KARNES COUNTY               | 14                                   | 14    | 14    | 14    | 14    | 14    |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY        | 10                                   | 10    | 10    | 10    | 10    | 10    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   KARNES COUNTY               | 16                                   | 16    | 16    | 16    | 16    | 16    |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                      | 104                                  | 104   | 104   | 104   | 79    | 70    |
| KARNES COUNTY TOTAL EXISTING SUPPLY            |                                                      | 6,606                                | 6,593 | 6,568 | 6,529 | 5,978 | 5,939 |
| KENDALL COUNTY                                 |                                                      |                                      |       |       |       |       |       |
| COLORADO BASIN                                 |                                                      |                                      |       |       |       |       |       |
| COUNTY-OTHER                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 44                                   | 44    | 44    | 44    | 44    | 44    |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 44                                   | 44    | 44    | 44    | 44    | 44    |
| LIVESTOCK                                      | L   COLORADO LIVESTOCK LOCAL SUPPLY                  | 6                                    | 6     | 6     | 6     | 6     | 6     |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 2                                    | 2     | 2     | 2     | 2     | 2     |
| LIVESTOCK                                      | L   TRINITY AQUIFER   KENDALL COUNTY                 | 5                                    | 5     | 5     | 5     | 5     | 5     |
| COLORADO BASIN TOTAL EXISTING SUPPLY           |                                                      | 101                                  | 101   | 101   | 101   | 101   | 101   |
| GUADALUPE BASIN                                |                                                      |                                      |       |       |       |       |       |
| KENDALL COUNTY WCID #1                         | L   DIRECT REUSE                                     | 230                                  | 230   | 230   | 230   | 230   | 230   |
| KENDALL COUNTY WCID #1                         | L   TRINITY AQUIFER   KENDALL COUNTY                 | 545                                  | 545   | 545   | 545   | 545   | 545   |
| COUNTY-OTHER                                   | L   CANYON LAKE/RESERVOIR                            | 2,500                                | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| COUNTY-OTHER                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 94                                   | 94    | 94    | 94    | 94    | 94    |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 1,320                                | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 9                                    | 9     | 9     | 9     | 9     | 9     |
| LIVESTOCK                                      | L   GUADALUPE LIVESTOCK LOCAL SUPPLY                 | 159                                  | 159   | 159   | 159   | 159   | 159   |
| LIVESTOCK                                      | L   TRINITY AQUIFER   KENDALL COUNTY                 | 148                                  | 148   | 148   | 148   | 148   | 148   |
| IRRIGATION                                     | L   DIRECT REUSE                                     | 34                                   | 34    | 34    | 34    | 34    | 34    |
| IRRIGATION                                     | L   GUADALUPE RUN-OF-RIVER                           | 26                                   | 26    | 26    | 26    | 26    | 26    |
| IRRIGATION                                     | L   TRINITY AQUIFER   KENDALL COUNTY                 | 300                                  | 300   | 300   | 300   | 300   | 300   |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY          |                                                      | 5,365                                | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 |
| SAN ANTONIO BASIN                              |                                                      |                                      |       |       |       |       |       |
| BOERNE                                         | L   CANYON LAKE/RESERVOIR                            | 3,611                                | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 |
| BOERNE                                         | L   DIRECT REUSE                                     | 7                                    | 7     | 7     | 7     | 7     | 7     |
| BOERNE                                         | L   TRINITY AQUIFER   KENDALL COUNTY                 | 987                                  | 987   | 987   | 987   | 987   | 987   |
| FAIR OAKS RANCH                                | L   CANYON LAKE/RESERVOIR                            | 585                                  | 690   | 775   | 840   | 895   | 940   |
| FAIR OAKS RANCH                                | L   DIRECT REUSE                                     | 177                                  | 209   | 235   | 254   | 271   | 285   |
| FAIR OAKS RANCH                                | L   TRINITY AQUIFER   COMAL COUNTY                   | 434                                  | 511   | 574   | 622   | 663   | 696   |
| WATER SERVICES INC                             | L   TRINITY AQUIFER   BEXAR COUNTY                   | 74                                   | 79    | 87    | 92    | 98    | 103   |
| COUNTY-OTHER                                   | L   TRINITY AQUIFER   KENDALL COUNTY                 | 1,425                                | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |

**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                          | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|------------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                                      | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| KENDALL COUNTY                          |                                                      |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                                      |                                      |        |        |        |        |        |
| LIVESTOCK                               | L   EDWARDS-TRINITY-PLATEAU AQUIFER   KENDALL COUNTY | 9                                    | 9      | 9      | 9      | 9      | 9      |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY               | 33                                   | 33     | 33     | 33     | 33     | 33     |
| LIVESTOCK                               | L   TRINITY AQUIFER   KENDALL COUNTY                 | 24                                   | 24     | 24     | 24     | 24     | 24     |
| IRRIGATION                              | L   TRINITY AQUIFER   KENDALL COUNTY                 | 100                                  | 100    | 100    | 100    | 100    | 100    |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                                      | 7,466                                | 7,685  | 7,867  | 8,004  | 8,123  | 8,220  |
| KENDALL COUNTY TOTAL EXISTING SUPPLY    |                                                      | 12,932                               | 13,151 | 13,333 | 13,470 | 13,589 | 13,686 |
| LA SALLE COUNTY                         |                                                      |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                                      |                                      |        |        |        |        |        |
| COTULLA                                 | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 2,000                                | 2,000  | 2,000  | 2,000  | 2,000  | 2,000  |
| ENCINAL                                 | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 268                                  | 268    | 268    | 268    | 268    | 268    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 500                                  | 500    | 500    | 500    | 500    | 500    |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 529                                  | 529    | 529    | 529    | 529    | 529    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 139                                  | 139    | 139    | 139    | 139    | 139    |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY                    | 305                                  | 305    | 305    | 305    | 305    | 305    |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   LA SALLE COUNTY             | 1                                    | 1      | 1      | 1      | 1      | 1      |
| LIVESTOCK                               | L   SPARTA AQUIFER   LA SALLE COUNTY                 | 74                                   | 74     | 74     | 74     | 74     | 74     |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   LA SALLE COUNTY          | 91                                   | 91     | 91     | 91     | 91     | 91     |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   LA SALLE COUNTY         | 3,018                                | 3,018  | 3,018  | 3,018  | 3,018  | 3,018  |
| IRRIGATION                              | L   NUECES RUN-OF-RIVER                              | 705                                  | 705    | 705    | 705    | 705    | 705    |
| IRRIGATION                              | L   SPARTA AQUIFER   LA SALLE COUNTY                 | 913                                  | 913    | 913    | 913    | 913    | 913    |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                                      | 8,543                                | 8,543  | 8,543  | 8,543  | 8,543  | 8,543  |
| LA SALLE COUNTY TOTAL EXISTING SUPPLY   |                                                      | 8,543                                | 8,543  | 8,543  | 8,543  | 8,543  | 8,543  |
| MEDINA COUNTY                           |                                                      |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                                      |                                      |        |        |        |        |        |
| BENTON CITY WSC                         | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY         | 896                                  | 920    | 931    | 933    | 933    | 930    |
| DEVINE                                  | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY           | 221                                  | 220    | 220    | 220    | 220    | 220    |
| DEVINE                                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 535                                  | 535    | 535    | 535    | 535    | 535    |
| EAST MEDINA COUNTY SUD                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 925                                  | 926    | 926    | 927    | 926    | 926    |
| HONDO                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 1,530                                | 1,530  | 1,530  | 1,530  | 1,530  | 1,530  |
| LYTLE                                   | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 80                                   | 85     | 87     | 88     | 88     | 88     |
| NATALIA                                 | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 180                                  | 180    | 180    | 180    | 180    | 180    |
| YANCEY WSC                              | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 124                                  | 125    | 125    | 125    | 125    | 125    |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY           | 500                                  | 498    | 498    | 498    | 498    | 498    |
| COUNTY-OTHER                            | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 1,232                                | 1,232  | 1,232  | 1,232  | 1,232  | 1,232  |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY           | 2                                    | 2      | 2      | 2      | 2      | 2      |
| MANUFACTURING                           | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 1,937                                | 1,937  | 1,937  | 1,937  | 1,937  | 1,937  |
| MINING                                  | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY              | 305                                  | 305    | 305    | 305    | 305    | 305    |

**EXISTING WATER SUPPLY**

| REGION L                           | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                    |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| MEDINA COUNTY                      |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                       |                                              |                                      |        |        |        |        |        |
| MINING                             | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 1,083                                | 1,238  | 1,368  | 1,500  | 1,667  | 1,849  |
| LIVESTOCK                          | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 38                                   | 38     | 38     | 38     | 38     | 38     |
| LIVESTOCK                          | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 321                                  | 321    | 321    | 321    | 321    | 321    |
| LIVESTOCK                          | L   NUECES LIVESTOCK LOCAL SUPPLY            | 519                                  | 519    | 519    | 519    | 519    | 519    |
| LIVESTOCK                          | L   TRINITY AQUIFER   MEDINA COUNTY          | 164                                  | 164    | 164    | 164    | 164    | 164    |
| IRRIGATION                         | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY   | 1,758                                | 1,749  | 1,749  | 1,749  | 1,749  | 1,749  |
| IRRIGATION                         | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 12,238                               | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 |
| IRRIGATION                         | L   TRINITY AQUIFER   MEDINA COUNTY          | 5,784                                | 5,784  | 5,784  | 5,784  | 5,784  | 5,784  |
| NUECES BASIN TOTAL EXISTING SUPPLY |                                              | 30,372                               | 30,546 | 30,689 | 30,825 | 30,991 | 31,170 |
| SAN ANTONIO BASIN                  |                                              |                                      |        |        |        |        |        |
| CASTROVILLE                        | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 570                                  | 570    | 570    | 570    | 570    | 570    |
| EAST MEDINA COUNTY SUD             | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 85                                   | 84     | 84     | 83     | 84     | 84     |
| LACOSTE                            | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 117                                  | 117    | 117    | 117    | 117    | 117    |
| SAN ANTONIO                        | L   CANYON LAKE/RESERVOIR                    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 1      | 1      | 1      | 1      | 1      |
| SAN ANTONIO                        | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 5                                    | 6      | 8      | 8      | 8      | 9      |
| SAN ANTONIO                        | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO                        | L   TRINITY AQUIFER   BEXAR COUNTY           | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   CANYON LAKE/RESERVOIR                    | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   BEXAR COUNTY    | 30                                   | 40     | 46     | 50     | 52     | 54     |
| SAN ANTONIO WATER SYSTEM           | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   DIRECT REUSE                             | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 179                                  | 235    | 269    | 291    | 307    | 317    |
| SAN ANTONIO WATER SYSTEM           | L   GUADALUPE RUN-OF-RIVER                   | 0                                    | 0      | 0      | 0      | 0      | 0      |
| SAN ANTONIO WATER SYSTEM           | L   SAN ANTONIO RUN-OF-RIVER                 | 64                                   | 84     | 96     | 104    | 110    | 114    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   BEXAR COUNTY           | 63                                   | 82     | 94     | 102    | 107    | 111    |
| SAN ANTONIO WATER SYSTEM           | L   TRINITY AQUIFER   COMAL COUNTY           | 4                                    | 5      | 5      | 6      | 6      | 6      |
| YANCEY WSC                         | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 508                                  | 507    | 507    | 507    | 507    | 507    |
| COUNTY-OTHER                       | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 489                                  | 489    | 489    | 489    | 489    | 489    |
| COUNTY-OTHER                       | L   TRINITY AQUIFER   MEDINA COUNTY          | 300                                  | 300    | 300    | 300    | 300    | 300    |
| MANUFACTURING                      | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 15                                   | 15     | 15     | 15     | 15     | 15     |
| MINING                             | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY      | 277                                  | 277    | 277    | 277    | 277    | 277    |
| MINING                             | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 186                                  | 237    | 331    | 375    | 430    | 491    |
| LIVESTOCK                          | L   LEONA GRAVEL AQUIFER   MEDINA COUNTY     | 33                                   | 33     | 33     | 33     | 33     | 33     |

**EXISTING WATER SUPPLY**

| REGION L                                       | SOURCE REGION   SOURCE NAME                         | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|------------------------------------------------|-----------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                                |                                                     | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| MEDINA COUNTY                                  |                                                     |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                              |                                                     |                                      |        |        |        |        |        |
| LIVESTOCK                                      | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | 63                                   | 63     | 63     | 63     | 63     | 63     |
| LIVESTOCK                                      | L   TRINITY AQUIFER   MEDINA COUNTY                 | 27                                   | 27     | 27     | 27     | 27     | 27     |
| IRRIGATION                                     | L   CARRIZO-WILCOX AQUIFER   MEDINA COUNTY          | 26                                   | 26     | 26     | 26     | 26     | 26     |
| IRRIGATION                                     | L   EDWARDS-BFZ AQUIFER   MEDINA COUNTY             | 4,535                                | 4,535  | 4,535  | 4,535  | 4,535  | 4,535  |
| IRRIGATION                                     | L   TRINITY AQUIFER   MEDINA COUNTY                 | 1,594                                | 1,594  | 1,594  | 1,594  | 1,594  | 1,594  |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY        |                                                     | 9,170                                | 9,327  | 9,487  | 9,573  | 9,658  | 9,740  |
| MEDINA COUNTY TOTAL EXISTING SUPPLY            |                                                     | 39,542                               | 39,873 | 40,176 | 40,398 | 40,649 | 40,910 |
| REFUGIO COUNTY                                 |                                                     |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                              |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 12                                   | 12     | 12     | 12     | 12     | 12     |
| MINING                                         | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 3                                    | 3      | 3      | 2      | 1      | 1      |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 16                                   | 16     | 16     | 16     | 16     | 16     |
| LIVESTOCK                                      | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | 16                                   | 16     | 16     | 16     | 16     | 16     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY        |                                                     | 47                                   | 47     | 47     | 46     | 45     | 45     |
| SAN ANTONIO-NUECES BASIN                       |                                                     |                                      |        |        |        |        |        |
| REFUGIO                                        | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 1,234                                | 1,234  | 1,234  | 1,234  | 1,234  | 1,234  |
| WOODSBORO                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 606                                  | 606    | 606    | 606    | 606    | 606    |
| COUNTY-OTHER                                   | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 511                                  | 511    | 511    | 511    | 511    | 511    |
| MINING                                         | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 63                                   | 66     | 48     | 36     | 23     | 14     |
| LIVESTOCK                                      | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 302                                  | 302    | 302    | 302    | 302    | 302    |
| LIVESTOCK                                      | L   SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | 302                                  | 302    | 302    | 302    | 302    | 302    |
| IRRIGATION                                     | L   GULF COAST AQUIFER   REFUGIO COUNTY             | 652                                  | 652    | 652    | 652    | 652    | 652    |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY |                                                     | 3,670                                | 3,673  | 3,655  | 3,643  | 3,630  | 3,621  |
| REFUGIO COUNTY TOTAL EXISTING SUPPLY           |                                                     | 3,717                                | 3,720  | 3,702  | 3,689  | 3,675  | 3,666  |
| UVALDE COUNTY                                  |                                                     |                                      |        |        |        |        |        |
| NUECES BASIN                                   |                                                     |                                      |        |        |        |        |        |
| SABINAL                                        | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 324                                  | 324    | 324    | 324    | 324    | 324    |
| UVALDE                                         | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 3,109                                | 3,109  | 3,109  | 3,109  | 3,109  | 3,109  |
| COUNTY-OTHER                                   | L   BUDA LIMESTONE AQUIFER   UVALDE COUNTY          | 525                                  | 525    | 525    | 525    | 525    | 525    |
| COUNTY-OTHER                                   | L   CARRIZO-WILCOX AQUIFER   UVALDE COUNTY          | 1,230                                | 828    | 828    | 828    | 828    | 828    |
| COUNTY-OTHER                                   | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 2,418                                | 2,418  | 2,418  | 2,418  | 2,418  | 2,418  |
| COUNTY-OTHER                                   | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 160                                  | 158    | 183    | 220    | 250    | 250    |
| MANUFACTURING                                  | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 231                                  | 231    | 231    | 231    | 231    | 231    |
| MANUFACTURING                                  | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 160                                  | 158    | 183    | 220    | 250    | 250    |
| MINING                                         | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 192                                  | 192    | 192    | 192    | 192    | 192    |
| MINING                                         | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 1,584                                | 1,723  | 2,085  | 2,722  | 3,372  | 3,682  |
| LIVESTOCK                                      | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 180                                  | 180    | 180    | 180    | 180    | 180    |
| LIVESTOCK                                      | L   EDWARDS-TRINITY-PLATEAU AQUIFER   UVALDE COUNTY | 161                                  | 161    | 161    | 161    | 161    | 161    |
| LIVESTOCK                                      | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 135                                  | 135    | 135    | 135    | 135    | 135    |
| LIVESTOCK                                      | L   NUECES LIVESTOCK LOCAL SUPPLY                   | 516                                  | 516    | 516    | 516    | 516    | 516    |

**EXISTING WATER SUPPLY**

| REGION L                                     | SOURCE REGION   SOURCE NAME                         | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|----------------------------------------------|-----------------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                              |                                                     | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| UVALDE COUNTY                                |                                                     |                                      |        |        |        |        |        |
| NUECES BASIN                                 |                                                     |                                      |        |        |        |        |        |
| LIVESTOCK                                    | L   TRINITY AQUIFER   UVALDE COUNTY                 | 39                                   | 39     | 39     | 39     | 39     | 39     |
| IRRIGATION                                   | L   AUSTIN CHALK AQUIFER   UVALDE COUNTY            | 1,780                                | 1,780  | 1,780  | 1,780  | 1,780  | 1,780  |
| IRRIGATION                                   | L   EDWARDS-BFZ AQUIFER   UVALDE COUNTY             | 25,260                               | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 |
| IRRIGATION                                   | L   EDWARDS-TRINITY-PLATEAU AQUIFER   UVALDE COUNTY | 1,474                                | 1,474  | 1,474  | 1,474  | 1,474  | 1,474  |
| IRRIGATION                                   | L   LEONA GRAVEL AQUIFER   UVALDE COUNTY            | 7,345                                | 7,211  | 6,799  | 6,088  | 4,625  | 2,599  |
| IRRIGATION                                   | L   NUECES RUN-OF-RIVER                             | 720                                  | 720    | 720    | 720    | 720    | 720    |
| IRRIGATION                                   | L   TRINITY AQUIFER   UVALDE COUNTY                 | 600                                  | 600    | 600    | 600    | 600    | 600    |
| NUECES BASIN TOTAL EXISTING SUPPLY           |                                                     | 48,143                               | 47,742 | 47,742 | 47,742 | 46,989 | 45,273 |
| UVALDE COUNTY TOTAL EXISTING SUPPLY          |                                                     | 48,143                               | 47,742 | 47,742 | 47,742 | 46,989 | 45,273 |
| VICTORIA COUNTY                              |                                                     |                                      |        |        |        |        |        |
| GUADALUPE BASIN                              |                                                     |                                      |        |        |        |        |        |
| VICTORIA                                     | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 6,629                                | 6,629  | 6,628  | 6,629  | 6,628  | 6,629  |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 2,032                                | 2,032  | 2,032  | 2,032  | 2,032  | 2,032  |
| MANUFACTURING                                | L   GUADALUPE RUN-OF-RIVER                          | 26,990                               | 26,990 | 26,990 | 26,990 | 26,990 | 26,990 |
| MANUFACTURING                                | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 772                                  | 772    | 772    | 772    | 772    | 772    |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 36                                   | 38     | 28     | 21     | 14     | 9      |
| STEAM ELECTRIC POWER                         | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 1,024                                | 1,024  | 1,024  | 1,024  | 1,024  | 1,024  |
| LIVESTOCK                                    | L   GUADALUPE LIVESTOCK LOCAL SUPPLY                | 339                                  | 339    | 339    | 339    | 339    | 339    |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 196                                  | 196    | 196    | 196    | 196    | 196    |
| IRRIGATION                                   | L   GUADALUPE RUN-OF-RIVER                          | 400                                  | 400    | 400    | 400    | 400    | 400    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 820                                  | 820    | 820    | 820    | 820    | 820    |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY        |                                                     | 39,238                               | 39,240 | 39,229 | 39,223 | 39,215 | 39,211 |
| LAVACA BASIN                                 |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 7                                    | 7      | 7      | 7      | 7      | 7      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 3                                    | 3      | 3      | 3      | 3      | 3      |
| LIVESTOCK                                    | L   LAVACA LIVESTOCK LOCAL SUPPLY                   | 2                                    | 2      | 2      | 2      | 2      | 2      |
| LAVACA BASIN TOTAL EXISTING SUPPLY           |                                                     | 12                                   | 12     | 12     | 12     | 12     | 12     |
| LAVACA-GUADALUPE BASIN                       |                                                     |                                      |        |        |        |        |        |
| VICTORIA                                     | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 3,206                                | 3,206  | 3,207  | 3,206  | 3,207  | 3,206  |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 1,425                                | 1,425  | 1,425  | 1,425  | 1,425  | 1,425  |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 33                                   | 34     | 26     | 19     | 12     | 8      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 358                                  | 358    | 358    | 358    | 358    | 358    |
| LIVESTOCK                                    | L   LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY         | 218                                  | 218    | 218    | 218    | 218    | 218    |
| IRRIGATION                                   | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 17,967                               | 17,967 | 17,967 | 17,967 | 17,967 | 17,967 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                                     | 23,207                               | 23,208 | 23,201 | 23,193 | 23,187 | 23,182 |
| SAN ANTONIO BASIN                            |                                                     |                                      |        |        |        |        |        |
| COUNTY-OTHER                                 | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 10                                   | 10     | 10     | 10     | 10     | 10     |
| MINING                                       | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 3                                    | 3      | 2      | 1      | 1      | 1      |
| LIVESTOCK                                    | L   GULF COAST AQUIFER   VICTORIA COUNTY            | 25                                   | 25     | 25     | 25     | 25     | 25     |
| LIVESTOCK                                    | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | 24                                   | 24     | 24     | 24     | 24     | 24     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY      |                                                     | 62                                   | 62     | 61     | 60     | 60     | 60     |

**EXISTING WATER SUPPLY**

| REGION L                              | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|---------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| VICTORIA COUNTY TOTAL EXISTING SUPPLY |                                              | 62,519                               | 62,522 | 62,503 | 62,488 | 62,474 | 62,465 |
| WILSON COUNTY                         |                                              |                                      |        |        |        |        |        |
| GUADALUPE BASIN                       |                                              |                                      |        |        |        |        |        |
| NIXON                                 | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 12                                   | 11     | 11     | 15     | 15     | 14     |
| SUNKO WSC                             | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 8                                    | 8      | 8      | 7      | 8      | 7      |
| COUNTY-OTHER                          | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 125                                  | 125    | 125    | 125    | 125    | 125    |
| MINING                                | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 174                                  | 139    | 105    | 70     | 36     | 18     |
| LIVESTOCK                             | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 38                                   | 38     | 38     | 38     | 38     | 38     |
| LIVESTOCK                             | L   GUADALUPE LIVESTOCK LOCAL SUPPLY         | 54                                   | 54     | 54     | 54     | 54     | 54     |
| LIVESTOCK                             | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 7                                    | 7      | 7      | 7      | 7      | 7      |
| LIVESTOCK                             | L   SPARTA AQUIFER   WILSON COUNTY           | 4                                    | 4      | 4      | 4      | 4      | 4      |
| LIVESTOCK                             | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 5                                    | 5      | 5      | 5      | 5      | 5      |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY |                                              | 427                                  | 391    | 357    | 325    | 292    | 272    |
| NUECES BASIN                          |                                              |                                      |        |        |        |        |        |
| MCCOY WSC                             | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 70                                   | 74     | 78     | 81     | 83     | 84     |
| MCCOY WSC                             | N   CARRIZO-WILCOX AQUIFER   LIVE OAK COUNTY | 3                                    | 3      | 3      | 3      | 3      | 3      |
| COUNTY-OTHER                          | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 95                                   | 95     | 95     | 95     | 95     | 95     |
| MINING                                | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 174                                  | 139    | 105    | 70     | 36     | 18     |
| LIVESTOCK                             | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 26                                   | 26     | 26     | 26     | 26     | 26     |
| LIVESTOCK                             | L   NUECES LIVESTOCK LOCAL SUPPLY            | 54                                   | 54     | 55     | 55     | 56     | 56     |
| LIVESTOCK                             | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 5                                    | 5      | 4      | 4      | 3      | 3      |
| LIVESTOCK                             | L   SPARTA AQUIFER   WILSON COUNTY           | 10                                   | 10     | 10     | 10     | 10     | 10     |
| LIVESTOCK                             | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 13                                   | 13     | 13     | 13     | 13     | 13     |
| IRRIGATION                            | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 4,800                                | 4,300  | 3,800  | 3,400  | 3,000  | 2,800  |
| IRRIGATION                            | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 127                                  | 112    | 100    | 89     | 80     | 80     |
| IRRIGATION                            | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 28                                   | 28     | 28     | 28     | 28     | 28     |
| NUECES BASIN TOTAL EXISTING SUPPLY    |                                              | 5,405                                | 4,859  | 4,317  | 3,874  | 3,433  | 3,216  |
| SAN ANTONIO BASIN                     |                                              |                                      |        |        |        |        |        |
| EAST CENTRAL SUD                      | L   CANYON LAKE/RESERVOIR                    | 80                                   | 83     | 84     | 83     | 81     | 78     |
| EAST CENTRAL SUD                      | L   CARRIZO-WILCOX AQUIFER   GONZALES COUNTY | 75                                   | 81     | 85     | 88     | 90     | 91     |
| EAST CENTRAL SUD                      | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 342                                  | 372    | 394    | 410    | 424    | 433    |
| EL OSO WSC                            | L   CARRIZO-WILCOX AQUIFER   KARNES COUNTY   | 14                                   | 18     | 22     | 25     | 28     | 31     |
| EL OSO WSC                            | L   GULF COAST AQUIFER   KARNES COUNTY       | 20                                   | 24     | 27     | 31     | 33     | 36     |
| EL OSO WSC                            | N   GULF COAST AQUIFER   BEE COUNTY          | 7                                    | 8      | 9      | 10     | 11     | 13     |
| EL OSO WSC                            | N   GULF COAST AQUIFER   LIVE OAK COUNTY     | 20                                   | 24     | 28     | 32     | 35     | 38     |
| ELMENDORF                             | L   EDWARDS-BFZ AQUIFER   BEXAR COUNTY       | 3                                    | 3      | 4      | 4      | 4      | 5      |
| FLORESVILLE                           | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 2,336                                | 2,336  | 2,336  | 2,336  | 2,336  | 2,336  |



**EXISTING WATER SUPPLY**

| REGION L                                | SOURCE REGION   SOURCE NAME                  | EXISTING SUPPLY (ACRE-FEET PER YEAR) |        |        |        |        |        |
|-----------------------------------------|----------------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                         |                                              | 2020                                 | 2030   | 2040   | 2050   | 2060   | 2070   |
| WILSON COUNTY                           |                                              |                                      |        |        |        |        |        |
| SAN ANTONIO BASIN                       |                                              |                                      |        |        |        |        |        |
| LA VERNIA                               | L   CANYON LAKE/RESERVOIR                    | 34                                   | 34     | 34     | 34     | 34     | 34     |
| LA VERNIA                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 146                                  | 146    | 146    | 146    | 146    | 146    |
| LA VERNIA                               | L   GUADALUPE RUN-OF-RIVER                   | 130                                  | 130    | 130    | 130    | 130    | 130    |
| MCCOY WSC                               | L   CARRIZO-WILCOX AQUIFER   ATASCOSA COUNTY | 7                                    | 7      | 7      | 7      | 7      | 7      |
| MCCOY WSC                               | N   CARRIZO-WILCOX AQUIFER   LIVE OAK COUNTY | 0                                    | 0      | 0      | 0      | 0      | 0      |
| OAK HILLS WSC                           | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,863                                | 1,863  | 1,863  | 1,863  | 1,863  | 1,863  |
| POTH                                    | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,303                                | 1,303  | 1,303  | 1,303  | 1,303  | 1,303  |
| S S WSC                                 | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 3,593                                | 3,593  | 3,593  | 3,593  | 3,593  | 3,593  |
| STOCKDALE                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,762                                | 1,762  | 1,762  | 1,762  | 1,762  | 1,762  |
| SUNKO WSC                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,248                                | 1,255  | 1,262  | 1,268  | 1,271  | 1,274  |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 2,665                                | 2,665  | 2,665  | 2,665  | 2,665  | 2,665  |
| COUNTY-OTHER                            | L   SAN ANTONIO RUN-OF-RIVER                 | 42                                   | 42     | 42     | 42     | 42     | 42     |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 10                                   | 10     | 10     | 10     | 10     | 10     |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 1,581                                | 1,270  | 955    | 642    | 327    | 168    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 422                                  | 422    | 422    | 422    | 422    | 422    |
| LIVESTOCK                               | L   QUEEN CITY AQUIFER   WILSON COUNTY       | 198                                  | 198    | 198    | 198    | 198    | 198    |
| LIVESTOCK                               | L   SAN ANTONIO LIVESTOCK LOCAL SUPPLY       | 759                                  | 759    | 759    | 759    | 759    | 759    |
| LIVESTOCK                               | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 142                                  | 142    | 142    | 142    | 142    | 142    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   WILSON COUNTY   | 8,500                                | 7,500  | 6,500  | 5,500  | 4,500  | 3,500  |
| IRRIGATION                              | L   SAN ANTONIO RUN-OF-RIVER                 | 1,728                                | 1,728  | 1,728  | 1,728  | 1,728  | 1,728  |
| IRRIGATION                              | L   YEGUA-JACKSON AQUIFER   WILSON COUNTY    | 84                                   | 84     | 84     | 84     | 84     | 84     |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY |                                              | 29,114                               | 27,862 | 26,594 | 25,317 | 24,028 | 22,891 |
| WILSON COUNTY TOTAL EXISTING SUPPLY     |                                              | 34,946                               | 33,112 | 31,268 | 29,516 | 27,753 | 26,379 |
| ZAVALA COUNTY                           |                                              |                                      |        |        |        |        |        |
| NUECES BASIN                            |                                              |                                      |        |        |        |        |        |
| CRYSTAL CITY                            | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 3,523                                | 3,523  | 3,523  | 3,523  | 3,523  | 3,523  |
| ZAVALA COUNTY WCID #1                   | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 1,272                                | 1,272  | 1,272  | 1,272  | 1,272  | 1,272  |
| COUNTY-OTHER                            | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 900                                  | 900    | 900    | 900    | 900    | 900    |
| MANUFACTURING                           | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 1,434                                | 1,434  | 1,434  | 1,434  | 1,434  | 1,434  |
| MINING                                  | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 2,531                                | 2,257  | 1,977  | 1,559  | 932    | 557    |
| LIVESTOCK                               | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 464                                  | 464    | 464    | 464    | 464    | 464    |
| LIVESTOCK                               | L   NUECES LIVESTOCK LOCAL SUPPLY            | 594                                  | 594    | 594    | 594    | 594    | 594    |
| IRRIGATION                              | L   CARRIZO-WILCOX AQUIFER   ZAVALA COUNTY   | 25,735                               | 25,670 | 25,817 | 26,136 | 26,443 | 26,819 |
| NUECES BASIN TOTAL EXISTING SUPPLY      |                                              | 36,453                               | 36,114 | 35,981 | 35,882 | 35,562 | 35,563 |

EXISTING WATER SUPPLY

| REGION L                            | SOURCE REGION   SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) |           |           |           |           |           |  |
|-------------------------------------|-----------------------------|--------------------------------------|-----------|-----------|-----------|-----------|-----------|--|
|                                     |                             | 2020                                 | 2030      | 2040      | 2050      | 2060      | 2070      |  |
| ZAVALA COUNTY TOTAL EXISTING SUPPLY |                             | 36,453                               | 36,114    | 35,981    | 35,882    | 35,562    | 35,563    |  |
|                                     |                             |                                      |           |           |           |           |           |  |
| REGION L TOTAL EXISTING SUPPLY      |                             | 1,036,119                            | 1,034,667 | 1,026,477 | 1,021,697 | 1,015,773 | 1,011,956 |  |

## **Region L**

### **TWDB DB17 Identified Water Need/ Surplus Report**

**WUG NEEDS/SURPLUS**

| REGION L                                     | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                |                |                |                |                |
|----------------------------------------------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                              | 2020                                   | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>ATASCOSA COUNTY</b>                       |                                        |                |                |                |                |                |
| <b>NUECES BASIN</b>                          |                                        |                |                |                |                |                |
| BENTON CITY WSC                              | 533                                    | 406            | 294            | 185            | 82             | (13)           |
| CHARLOTTE                                    | 346                                    | 304            | 265            | 223            | 182            | 143            |
| JOURDANTON                                   | 1,135                                  | 1,011          | 896            | 777            | 660            | 550            |
| LYTLE                                        | (134)                                  | (198)          | (254)          | (310)          | (365)          | (418)          |
| MCCOY WSC                                    | 623                                    | 517            | 415            | 310            | 203            | 102            |
| PLEASANTON                                   | 1,494                                  | 1,195          | 918            | 634            | 354            | 92             |
| POTEET                                       | 946                                    | 895            | 847            | 795            | 740            | 688            |
| SAN ANTONIO WATER SYSTEM                     | (56)                                   | (142)          | (222)          | (307)          | (389)          | (472)          |
| COUNTY-OTHER                                 | 469                                    | 376            | 288            | 193            | 94             | 1              |
| MANUFACTURING                                | 0                                      | 0              | 0              | 0              | 0              | 0              |
| MINING                                       | 0                                      | 0              | 0              | 0              | 0              | 0              |
| STEAM ELECTRIC POWER                         | 3,848                                  | 2,554          | 2,658          | 1,319          | 983            | 836            |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                   | 0                                      | 0              | 0              | 0              | 0              | 0              |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>      | <b>9,204</b>                           | <b>6,918</b>   | <b>6,105</b>   | <b>3,819</b>   | <b>2,544</b>   | <b>1,509</b>   |
| <b>SAN ANTONIO BASIN</b>                     |                                        |                |                |                |                |                |
| BENTON CITY WSC                              | 66                                     | 50             | 36             | 23             | 10             | (2)            |
| COUNTY-OTHER                                 | 42                                     | 33             | 26             | 17             | 8              | 0              |
| IRRIGATION                                   | (85)                                   | (76)           | (67)           | (59)           | (51)           | (44)           |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b> | <b>23</b>                              | <b>7</b>       | <b>(5)</b>     | <b>(19)</b>    | <b>(33)</b>    | <b>(46)</b>    |
| <b>ATASCOSA COUNTY TOTAL NEEDS/SURPLUS</b>   | <b>9,227</b>                           | <b>6,925</b>   | <b>6,100</b>   | <b>3,800</b>   | <b>2,511</b>   | <b>1,463</b>   |
| <b>BEXAR COUNTY</b>                          |                                        |                |                |                |                |                |
| <b>NUECES BASIN</b>                          |                                        |                |                |                |                |                |
| ATASCOSA RURAL WSC                           | (64)                                   | (79)           | (93)           | (107)          | (121)          | (134)          |
| LYTLE                                        | (3)                                    | (6)            | (8)            | (11)           | (13)           | (15)           |
| COUNTY-OTHER                                 | (1,190)                                | (1,324)        | (1,460)        | (1,603)        | (1,742)        | (1,870)        |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                   | (1,063)                                | (1,008)        | (956)          | (905)          | (857)          | (814)          |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>      | <b>(2,320)</b>                         | <b>(2,417)</b> | <b>(2,517)</b> | <b>(2,626)</b> | <b>(2,733)</b> | <b>(2,833)</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                        |                |                |                |                |                |
| ALAMO HEIGHTS                                | (796)                                  | (848)          | (820)          | (807)          | (805)          | (805)          |
| ATASCOSA RURAL WSC                           | (1,103)                                | (1,367)        | (1,615)        | (1,863)        | (2,097)        | (2,314)        |
| BALCONES HEIGHTS                             | 0                                      | 0              | 0              | 0              | 0              | 0              |
| CASTLE HILLS                                 | 0                                      | 0              | 0              | 0              | 0              | 0              |
| CHINA GROVE                                  | 0                                      | 0              | 0              | 0              | 0              | 0              |
| CONVERSE                                     | (903)                                  | (1,111)        | (1,297)        | (1,272)        | (1,265)        | (1,264)        |
| EAST CENTRAL SUD                             | 2,932                                  | 2,720          | 2,528          | 2,337          | 2,145          | 1,972          |
| ELMENDORF                                    | 0                                      | 0              | 0              | 0              | 0              | 0              |
| FAIR OAKS RANCH                              | 1,079                                  | 790            | 581            | 464            | 286            | 133            |
| GREEN VALLEY SUD                             | (149)                                  | (170)          | (190)          | (212)          | (239)          | (263)          |
| HELOTES                                      | 0                                      | 0              | 0              | 0              | 0              | 0              |
| HILL COUNTRY VILLAGE                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| HOLLYWOOD PARK                               | 0                                      | 0              | 0              | 0              | 0              | 0              |
| KIRBY                                        | (137)                                  | (207)          | (181)          | (172)          | (169)          | (169)          |
| LACKLAND AFB                                 | 946                                    | 987            | 1,019          | 1,038          | 1,041          | 1,041          |
| LEON VALLEY                                  | (97)                                   | (147)          | (196)          | (254)          | (317)          | (377)          |

**WUG NEEDS/SURPLUS**

| REGION L                                         | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                 |                  |                  |                  |                  |
|--------------------------------------------------|----------------------------------------|-----------------|------------------|------------------|------------------|------------------|
|                                                  | 2020                                   | 2030            | 2040             | 2050             | 2060             | 2070             |
| <b>BEXAR COUNTY</b>                              |                                        |                 |                  |                  |                  |                  |
| <b>SAN ANTONIO BASIN</b>                         |                                        |                 |                  |                  |                  |                  |
| LIVE OAK                                         | 512                                    | 505             | 532              | 547              | 551              | 551              |
| OLMOS PARK                                       | 0                                      | 0               | 0                | 0                | 0                | 0                |
| RANDOLPH AFB                                     | 1,903                                  | 1,891           | 1,879            | 1,868            | 1,858            | 1,849            |
| SAN ANTONIO                                      | (60,968)                               | (82,334)        | (109,022)        | (132,626)        | (156,043)        | (177,812)        |
| SAN ANTONIO WATER SYSTEM                         | (2,235)                                | (5,428)         | (8,436)          | (11,470)         | (14,429)         | (17,160)         |
| SCHERTZ                                          | 35                                     | (38)            | (98)             | (166)            | (242)            | (318)            |
| SELMA                                            | 348                                    | (7)             | (58)             | (109)            | (158)            | (207)            |
| SHAVANO PARK                                     | (425)                                  | (555)           | (677)            | (797)            | (909)            | (1,013)          |
| SOMERSET                                         | 0                                      | 0               | 0                | 0                | 0                | 0                |
| ST. HEDWIG                                       | 0                                      | 0               | 0                | 0                | 0                | 0                |
| TERRELL HILLS                                    | 0                                      | 0               | 0                | 0                | 0                | 0                |
| THE OAKS WSC                                     | 121                                    | 58              | (1)              | (60)             | (114)            | (165)            |
| UNIVERSAL CITY                                   | (416)                                  | (431)           | (372)            | (339)            | (333)            | (332)            |
| VON ORMY                                         | 70                                     | 57              | 45               | 32               | 19               | 6                |
| WATER SERVICES INC                               | 402                                    | 337             | 274              | 206              | 139              | 78               |
| WINDCREST                                        | (326)                                  | (343)           | (361)            | (388)            | (420)            | (451)            |
| COUNTY-OTHER                                     | 5,527                                  | 3,909           | 1,993            | (295)            | (2,340)          | (4,214)          |
| MANUFACTURING                                    | 8,666                                  | 6,139           | 3,601            | 1,368            | (1,058)          | (3,680)          |
| MINING                                           | 0                                      | 0               | 0                | 0                | 0                | 0                |
| STEAM ELECTRIC POWER                             | 23,685                                 | 19,399          | 16,625           | 13,545           | 10,125           | 6,374            |
| LIVESTOCK                                        | 0                                      | 0               | 0                | 0                | 0                | 0                |
| IRRIGATION                                       | (4,128)                                | (3,692)         | (3,273)          | (2,873)          | (2,489)          | (2,152)          |
| <b>SAN ANTONIO BASIN TOTAL<br/>NEEDS/SURPLUS</b> | <b>(25,457)</b>                        | <b>(59,886)</b> | <b>(97,520)</b>  | <b>(132,298)</b> | <b>(167,263)</b> | <b>(200,692)</b> |
| <b>BEXAR COUNTY TOTAL NEEDS/SURPLUS</b>          | <b>(27,777)</b>                        | <b>(62,303)</b> | <b>(100,037)</b> | <b>(134,924)</b> | <b>(169,996)</b> | <b>(203,525)</b> |
| <b>CALDWELL COUNTY</b>                           |                                        |                 |                  |                  |                  |                  |
| <b>COLORADO BASIN</b>                            |                                        |                 |                  |                  |                  |                  |
| AQUA WSC                                         | 11                                     | 0               | (13)             | (27)             | (40)             | (55)             |
| CREEDMOOR-MAHA WSC                               | (37)                                   | (56)            | (75)             | (96)             | (120)            | (143)            |
| MUSTANG RIDGE                                    | 0                                      | 0               | 0                | 0                | 0                | 0                |
| POLONIA WSC                                      | 118                                    | 65              | 11               | (45)             | (104)            | (164)            |
| COUNTY-OTHER                                     | 182                                    | 173             | 163              | 154              | 143              | 133              |
| MINING                                           | 0                                      | 0               | 0                | 0                | 0                | 0                |
| LIVESTOCK                                        | 0                                      | 0               | 0                | 0                | 0                | 0                |
| IRRIGATION                                       | 0                                      | 2               | 4                | 6                | 7                | 8                |
| <b>COLORADO BASIN TOTAL NEEDS/SURPLUS</b>        | <b>274</b>                             | <b>184</b>      | <b>90</b>        | <b>(8)</b>       | <b>(114)</b>     | <b>(221)</b>     |
| <b>GUADALUPE BASIN</b>                           |                                        |                 |                  |                  |                  |                  |
| AQUA WSC                                         | 59                                     | (4)             | (74)             | (151)            | (231)            | (311)            |
| COUNTY LINE WSC                                  | 137                                    | 96              | 50               | 3                | (42)             | (86)             |
| CREEDMOOR-MAHA WSC                               | (9)                                    | (13)            | (19)             | (25)             | (31)             | (37)             |
| GOFORTH SUD                                      | 74                                     | 58              | 41               | 22               | 7                | (9)              |
| GONZALES COUNTY WSC                              | 4                                      | 0               | (7)              | (14)             | (7)              | (16)             |
| LOCKHART                                         | (188)                                  | (613)           | (1,042)          | (1,484)          | (1,947)          | (2,402)          |
| LULING                                           | 133                                    | (41)            | (217)            | (400)            | (594)            | (784)            |
| MARTINDALE                                       | 3                                      | (31)            | (66)             | (102)            | (140)            | (177)            |
| MAXWELL WSC                                      | 624                                    | 578             | 519              | 448              | 368              | 286              |
| MUSTANG RIDGE                                    | 0                                      | 0               | 0                | 0                | 0                | 0                |

**WUG NEEDS/SURPLUS**

| REGION L                                            | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                |                |                |                 |                 |
|-----------------------------------------------------|----------------------------------------|----------------|----------------|----------------|-----------------|-----------------|
|                                                     | 2020                                   | 2030           | 2040           | 2050           | 2060            | 2070            |
| <b>CALDWELL COUNTY</b>                              |                                        |                |                |                |                 |                 |
| <b>GUADALUPE BASIN</b>                              |                                        |                |                |                |                 |                 |
| NIEDERWALD                                          | (13)                                   | (16)           | (20)           | (23)           | (26)            | (29)            |
| POLONIA WSC                                         | 250                                    | 139            | 24             | (95)           | (221)           | (348)           |
| SAN MARCOS                                          | 1                                      | 0              | (1)            | (1)            | (2)             | (3)             |
| UHLAND                                              | 0                                      | 0              | 0              | 0              | 0               | 0               |
| COUNTY-OTHER                                        | 1,108                                  | 986            | 862            | 732            | 596             | 462             |
| MANUFACTURING                                       | 5                                      | 4              | 3              | 2              | 1               | 0               |
| MINING                                              | 0                                      | 0              | 0              | 0              | 0               | 0               |
| LIVESTOCK                                           | 0                                      | 0              | 0              | 0              | 0               | 0               |
| IRRIGATION                                          | 34                                     | 101            | 160            | 213            | 261             | 294             |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>2,222</b>                           | <b>1,244</b>   | <b>213</b>     | <b>(875)</b>   | <b>(2,008)</b>  | <b>(3,160)</b>  |
| <b>CALDWELL COUNTY TOTAL NEEDS/SURPLUS</b>          | <b>2,496</b>                           | <b>1,428</b>   | <b>303</b>     | <b>(883)</b>   | <b>(2,122)</b>  | <b>(3,381)</b>  |
| <b>CALHOUN COUNTY</b>                               |                                        |                |                |                |                 |                 |
| <b>COLORADO-LAVACA BASIN</b>                        |                                        |                |                |                |                 |                 |
| POINT COMFORT                                       | 91                                     | 86             | 79             | 71             | 63              | 54              |
| COUNTY-OTHER                                        | 76                                     | 69             | 59             | 50             | 41              | 31              |
| MANUFACTURING                                       | 5,827                                  | 3,419          | 1,032          | (1,075)        | (3,732)         | (6,032)         |
| MINING                                              | 2                                      | 0              | 8              | 13             | 19              | 22              |
| LIVESTOCK                                           | 0                                      | 0              | 0              | 0              | 0               | 0               |
| IRRIGATION                                          | (564)                                  | (482)          | (427)          | (388)          | (351)           | (313)           |
| <b>COLORADO-LAVACA BASIN TOTAL NEEDS/SURPLUS</b>    | <b>5,432</b>                           | <b>3,092</b>   | <b>751</b>     | <b>(1,329)</b> | <b>(3,960)</b>  | <b>(6,238)</b>  |
| <b>GUADALUPE BASIN</b>                              |                                        |                |                |                |                 |                 |
| LIVESTOCK                                           | 0                                      | 0              | 0              | 0              | 0               | 0               |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>0</b>                               | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>        | <b>0</b>        |
| <b>LAVACA-GUADALUPE BASIN</b>                       |                                        |                |                |                |                 |                 |
| CALHOUN COUNTY WS                                   | 1,144                                  | 1,124          | 1,102          | 1,075          | 1,043           | 1,010           |
| PORT LAVACA                                         | 2,553                                  | 2,400          | 2,243          | 2,072          | 1,882           | 1,694           |
| PORT O'CONNOR MUD                                   | 1,210                                  | 1,204          | 1,197          | 1,188          | 1,178           | 1,168           |
| SEADRIFT                                            | 472                                    | 450            | 428            | 404            | 379             | 354             |
| COUNTY-OTHER                                        | 90                                     | 80             | 65             | 51             | 36              | 23              |
| MANUFACTURING                                       | 4,609                                  | 2,639          | 686            | (1,038)        | (3,213)         | (5,094)         |
| MINING                                              | 1                                      | 0              | 6              | 12             | 17              | 21              |
| LIVESTOCK                                           | 0                                      | 0              | 0              | 0              | 0               | 0               |
| IRRIGATION                                          | (11,697)                               | (10,243)       | (9,258)        | (8,552)        | (7,894)         | (7,206)         |
| <b>LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>   | <b>(1,618)</b>                         | <b>(2,346)</b> | <b>(3,531)</b> | <b>(4,788)</b> | <b>(6,572)</b>  | <b>(8,030)</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>                     |                                        |                |                |                |                 |                 |
| COUNTY-OTHER                                        | 15                                     | 14             | 13             | 12             | 11              | 10              |
| LIVESTOCK                                           | 0                                      | 0              | 0              | 0              | 0               | 0               |
| IRRIGATION                                          | (12)                                   | (11)           | (10)           | (9)            | (9)             | (8)             |
| <b>SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS</b> | <b>3</b>                               | <b>3</b>       | <b>3</b>       | <b>3</b>       | <b>2</b>        | <b>2</b>        |
| <b>CALHOUN COUNTY TOTAL NEEDS/SURPLUS</b>           | <b>3,817</b>                           | <b>749</b>     | <b>(2,777)</b> | <b>(6,114)</b> | <b>(10,530)</b> | <b>(14,266)</b> |
| <b>COMAL COUNTY</b>                                 |                                        |                |                |                |                 |                 |
| <b>GUADALUPE BASIN</b>                              |                                        |                |                |                |                 |                 |
| BULVERDE                                            | 0                                      | 0              | 0              | 0              | 0               | 0               |

**WUG NEEDS/SURPLUS**

| REGION L                                     | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                |                |                 |                 |                 |
|----------------------------------------------|----------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                              | 2020                                   | 2030           | 2040           | 2050            | 2060            | 2070            |
| <b>COMAL COUNTY</b>                          |                                        |                |                |                 |                 |                 |
| <b>GUADALUPE BASIN</b>                       |                                        |                |                |                 |                 |                 |
| CANYON LAKE WATER SERVICE COMPANY            | 4,644                                  | 3,376          | 2,057          | 711             | (641)           | (1,948)         |
| CRYSTAL CLEAR WSC                            | 40                                     | (5)            | (54)           | (103)           | (156)           | (207)           |
| GARDEN RIDGE                                 | (653)                                  | (1,021)        | (1,398)        | (1,780)         | (2,161)         | (2,528)         |
| GREEN VALLEY SUD                             | (17)                                   | (21)           | (26)           | (32)            | (39)            | (45)            |
| NEW BRAUNFELS                                | 1,557                                  | (1,176)        | (4,032)        | (6,971)         | (9,956)         | (12,850)        |
| SAN ANTONIO WATER SYSTEM                     | (53)                                   | (168)          | (314)          | (492)           | (688)           | (888)           |
| SCHERTZ                                      | 38                                     | (50)           | (154)          | (296)           | (488)           | (700)           |
| COUNTY-OTHER                                 | 566                                    | 598            | 666            | 695             | 762             | 809             |
| MANUFACTURING                                | (4,331)                                | (5,075)        | (5,799)        | (6,419)         | (7,291)         | (8,236)         |
| MINING                                       | 0                                      | 0              | 0              | 0               | 0               | 0               |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0               | 0               | 0               |
| IRRIGATION                                   | 493                                    | 528            | 563            | 598             | 632             | 652             |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>   | <b>2,284</b>                           | <b>(3,014)</b> | <b>(8,491)</b> | <b>(14,089)</b> | <b>(20,026)</b> | <b>(25,941)</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                        |                |                |                 |                 |                 |
| BULVERDE                                     | 0                                      | 0              | 0              | 0               | 0               | 0               |
| CANYON LAKE WATER SERVICE COMPANY            | 1,150                                  | 835            | 509            | 176             | (158)           | (483)           |
| FAIR OAKS RANCH                              | 88                                     | 71             | 56             | 50              | 33              | 16              |
| GARDEN RIDGE                                 | (370)                                  | (578)          | (790)          | (1,006)         | (1,222)         | (1,429)         |
| SAN ANTONIO WATER SYSTEM                     | (45)                                   | (144)          | (269)          | (420)           | (590)           | (767)           |
| SCHERTZ                                      | 1                                      | (1)            | (4)            | (6)             | (11)            | (18)            |
| SELMA                                        | 3                                      | (1)            | 1              | 0               | 0               | (1)             |
| COUNTY-OTHER                                 | 92                                     | 69             | 33             | 24              | 2               | 6               |
| MANUFACTURING                                | 201                                    | 194            | 187            | 180             | 171             | 162             |
| MINING                                       | 0                                      | 0              | 0              | 0               | 0               | 0               |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0               | 0               | 0               |
| IRRIGATION                                   | 3                                      | 7              | 11             | 15              | 18              | 21              |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b> | <b>1,123</b>                           | <b>452</b>     | <b>(266)</b>   | <b>(987)</b>    | <b>(1,757)</b>  | <b>(2,493)</b>  |
| <b>COMAL COUNTY TOTAL NEEDS/SURPLUS</b>      | <b>3,407</b>                           | <b>(2,562)</b> | <b>(8,757)</b> | <b>(15,076)</b> | <b>(21,783)</b> | <b>(28,434)</b> |
| <b>DEWITT COUNTY</b>                         |                                        |                |                |                 |                 |                 |
| <b>GUADALUPE BASIN</b>                       |                                        |                |                |                 |                 |                 |
| CUERO                                        | 1,847                                  | 1,813          | 1,810          | 1,794           | 2,100           | 2,087           |
| GONZALES COUNTY WSC                          | 9                                      | 0              | (9)            | (18)            | (8)             | (15)            |
| YORKTOWN                                     | 525                                    | 524            | 526            | 523             | 584             | 582             |
| COUNTY-OTHER                                 | 45                                     | 46             | 58             | 59              | 214             | 208             |
| MANUFACTURING                                | 125                                    | 103            | 82             | 64              | 34              | 1               |
| MINING                                       | 0                                      | 0              | 0              | 0               | 0               | 0               |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0               | 0               | 0               |
| IRRIGATION                                   | 0                                      | 0              | 0              | 0               | 0               | 0               |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>   | <b>2,551</b>                           | <b>2,486</b>   | <b>2,467</b>   | <b>2,422</b>    | <b>2,924</b>    | <b>2,863</b>    |
| <b>LAVACA BASIN</b>                          |                                        |                |                |                 |                 |                 |
| YOAKUM                                       | 3                                      | 0              | 3              | 2               | 56              | 54              |
| COUNTY-OTHER                                 | 3                                      | 5              | 15             | 24              | 52              | 51              |
| MANUFACTURING                                | 94                                     | 83             | 80             | 82              | 64              | 43              |
| MINING                                       | (44)                                   | (38)           | (16)           | (2)             | 0               | 0               |
| LIVESTOCK                                    | 0                                      | 0              | 0              | 0               | 0               | 0               |

**WUG NEEDS/SURPLUS**

| REGION L                                          | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                |                |                |                |                |
|---------------------------------------------------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                                   | 2020                                   | 2030           | 2040           | 2050           | 2060           | 2070           |
| <b>DEWITT COUNTY</b>                              |                                        |                |                |                |                |                |
| <b>LAVACA BASIN</b>                               |                                        |                |                |                |                |                |
| IRRIGATION                                        | (74)                                   | (68)           | (39)           | (6)            | 0              | 0              |
| <b>LAVACA BASIN TOTAL NEEDS/SURPLUS</b>           | <b>(18)</b>                            | <b>(18)</b>    | <b>43</b>      | <b>100</b>     | <b>172</b>     | <b>148</b>     |
| <b>LAVACA-GUADALUPE BASIN</b>                     |                                        |                |                |                |                |                |
| COUNTY-OTHER                                      | 0                                      | 0              | 0              | 0              | 0              | 0              |
| LIVESTOCK                                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                        | 0                                      | 0              | 0              | 0              | 0              | 0              |
| <b>LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b> | <b>0</b>                               | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       |
| <b>SAN ANTONIO BASIN</b>                          |                                        |                |                |                |                |                |
| COUNTY-OTHER                                      | 1                                      | 1              | 2              | 2              | 14             | 13             |
| MINING                                            | 0                                      | 0              | 0              | 0              | 0              | 0              |
| LIVESTOCK                                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                        | 0                                      | 0              | 0              | 0              | 0              | 0              |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>      | <b>1</b>                               | <b>1</b>       | <b>2</b>       | <b>2</b>       | <b>14</b>      | <b>13</b>      |
| <b>DEWITT COUNTY TOTAL NEEDS/SURPLUS</b>          | <b>2,534</b>                           | <b>2,469</b>   | <b>2,512</b>   | <b>2,524</b>   | <b>3,110</b>   | <b>3,024</b>   |
| <b>DIMMIT COUNTY</b>                              |                                        |                |                |                |                |                |
| <b>NUECES BASIN</b>                               |                                        |                |                |                |                |                |
| ASHERTON                                          | (28)                                   | (46)           | (61)           | (77)           | 33             | 26             |
| BIG WELLS                                         | 77                                     | 70             | 66             | 59             | 113            | 110            |
| CARRIZO SPRINGS                                   | (267)                                  | (399)          | (476)          | (578)          | 147            | 100            |
| COUNTY-OTHER                                      | (296)                                  | (325)          | (338)          | (360)          | (170)          | (183)          |
| MINING                                            | (4,172)                                | (4,243)        | (3,667)        | (2,355)        | (1,047)        | (438)          |
| LIVESTOCK                                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                        | (2,695)                                | (2,643)        | (2,443)        | (2,238)        | (2,041)        | (1,907)        |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>           | <b>(7,381)</b>                         | <b>(7,586)</b> | <b>(6,919)</b> | <b>(5,549)</b> | <b>(2,965)</b> | <b>(2,292)</b> |
| <b>RIO GRANDE BASIN</b>                           |                                        |                |                |                |                |                |
| COUNTY-OTHER                                      | (1)                                    | (1)            | (2)            | (2)            | (1)            | (1)            |
| MINING                                            | (654)                                  | (665)          | (577)          | (376)          | (175)          | (81)           |
| LIVESTOCK                                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                        | (677)                                  | (669)          | (639)          | (608)          | (579)          | (559)          |
| <b>RIO GRANDE BASIN TOTAL NEEDS/SURPLUS</b>       | <b>(1,332)</b>                         | <b>(1,335)</b> | <b>(1,218)</b> | <b>(986)</b>   | <b>(755)</b>   | <b>(641)</b>   |
| <b>DIMMIT COUNTY TOTAL NEEDS/SURPLUS</b>          | <b>(8,713)</b>                         | <b>(8,921)</b> | <b>(8,137)</b> | <b>(6,535)</b> | <b>(3,720)</b> | <b>(2,933)</b> |
| <b>FRIO COUNTY</b>                                |                                        |                |                |                |                |                |
| <b>NUECES BASIN</b>                               |                                        |                |                |                |                |                |
| BENTON CITY WSC                                   | 38                                     | 27             | 19             | 12             | 5              | (1)            |
| DILLEY                                            | 1,082                                  | 997            | 922            | 844            | 770            | 702            |
| PEARSALL                                          | 710                                    | 550            | 408            | 259            | 115            | (19)           |
| COUNTY-OTHER                                      | 492                                    | 461            | 418            | 377            | 340            | 305            |
| MINING                                            | 0                                      | 0              | 0              | 0              | 0              | 0              |
| STEAM ELECTRIC POWER                              | 0                                      | 138            | 157            | 397            | 366            | 392            |
| LIVESTOCK                                         | 0                                      | 0              | 0              | 0              | 0              | 0              |
| IRRIGATION                                        | 0                                      | 0              | 0              | 0              | 0              | 0              |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>           | <b>2,322</b>                           | <b>2,173</b>   | <b>1,924</b>   | <b>1,889</b>   | <b>1,596</b>   | <b>1,379</b>   |
| <b>FRIO COUNTY TOTAL NEEDS/SURPLUS</b>            | <b>2,322</b>                           | <b>2,173</b>   | <b>1,924</b>   | <b>1,889</b>   | <b>1,596</b>   | <b>1,379</b>   |



**WUG NEEDS/SURPLUS**

| REGION L                                            | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |               |               |               |               |               |
|-----------------------------------------------------|----------------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                                     | 2020                                   | 2030          | 2040          | 2050          | 2060          | 2070          |
| <b>GOLIAD COUNTY</b>                                |                                        |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                              |                                        |               |               |               |               |               |
| COUNTY-OTHER                                        | 87                                     | 42            | 14            | 4             | 153           | 148           |
| MINING                                              | 0                                      | 0             | 0             | 0             | 0             | 0             |
| STEAM ELECTRIC POWER                                | 13,880                                 | 13,880        | 13,880        | 13,880        | 13,880        | 13,880        |
| LIVESTOCK                                           | 0                                      | 0             | 0             | 0             | 0             | 0             |
| IRRIGATION                                          | 167                                    | 167           | 167           | 167           | 167           | 167           |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>14,134</b>                          | <b>14,089</b> | <b>14,061</b> | <b>14,051</b> | <b>14,200</b> | <b>14,195</b> |
| <b>SAN ANTONIO BASIN</b>                            |                                        |               |               |               |               |               |
| GOLIAD                                              | 193                                    | 130           | 91            | 75            | 260           | 253           |
| COUNTY-OTHER                                        | 70                                     | 33            | 9             | 1             | 126           | 121           |
| MANUFACTURING                                       | 88                                     | 71            | 54            | 37            | 20            | 0             |
| MINING                                              | 0                                      | 0             | 0             | 0             | 0             | 0             |
| LIVESTOCK                                           | 0                                      | 0             | 0             | 0             | 0             | 0             |
| IRRIGATION                                          | 907                                    | 907           | 907           | 907           | 907           | 907           |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>        | <b>1,258</b>                           | <b>1,141</b>  | <b>1,061</b>  | <b>1,020</b>  | <b>1,313</b>  | <b>1,281</b>  |
| <b>SAN ANTONIO-NUECES BASIN</b>                     |                                        |               |               |               |               |               |
| COUNTY-OTHER                                        | 20                                     | 9             | 3             | 1             | 33            | 33            |
| MINING                                              | 0                                      | 0             | 0             | 0             | 0             | 0             |
| LIVESTOCK                                           | 0                                      | 0             | 0             | 0             | 0             | 0             |
| IRRIGATION                                          | 0                                      | 0             | 0             | 0             | 0             | 0             |
| <b>SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS</b> | <b>20</b>                              | <b>9</b>      | <b>3</b>      | <b>1</b>      | <b>33</b>     | <b>33</b>     |
| <b>GOLIAD COUNTY TOTAL NEEDS/SURPLUS</b>            | <b>15,412</b>                          | <b>15,239</b> | <b>15,125</b> | <b>15,072</b> | <b>15,546</b> | <b>15,509</b> |
| <b>GONZALES COUNTY</b>                              |                                        |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                              |                                        |               |               |               |               |               |
| GONZALES                                            | 385                                    | 210           | 40            | (174)         | (92)          | (310)         |
| GONZALES COUNTY WSC                                 | 165                                    | (3)           | (192)         | (385)         | (187)         | (374)         |
| NIXON                                               | 2,199                                  | 2,171         | 2,142         | 2,100         | 2,091         | 2,048         |
| SMILEY                                              | 89                                     | 79            | 69            | 55            | 61            | 48            |
| WAELEDER                                            | 373                                    | 356           | 339           | 318           | 327           | 305           |
| COUNTY-OTHER                                        | 137                                    | 119           | 85            | 45            | 76            | 37            |
| MANUFACTURING                                       | 716                                    | 593           | 473           | 367           | 224           | 71            |
| MINING                                              | 0                                      | 0             | 0             | 0             | 0             | 0             |
| LIVESTOCK                                           | 0                                      | 0             | 0             | 0             | 0             | 0             |
| IRRIGATION                                          | 1,190                                  | 1,523         | 1,811         | 2,058         | 2,270         | 2,410         |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>5,254</b>                           | <b>5,048</b>  | <b>4,767</b>  | <b>4,384</b>  | <b>4,770</b>  | <b>4,235</b>  |
| <b>LAVACA BASIN</b>                                 |                                        |               |               |               |               |               |
| COUNTY-OTHER                                        | 13                                     | 12            | 10            | 9             | 9             | 8             |
| LIVESTOCK                                           | 0                                      | 0             | 0             | 0             | 0             | 0             |
| <b>LAVACA BASIN TOTAL NEEDS/SURPLUS</b>             | <b>13</b>                              | <b>12</b>     | <b>10</b>     | <b>9</b>      | <b>9</b>      | <b>8</b>      |
| <b>GONZALES COUNTY TOTAL NEEDS/SURPLUS</b>          | <b>5,267</b>                           | <b>5,060</b>  | <b>4,777</b>  | <b>4,393</b>  | <b>4,779</b>  | <b>4,243</b>  |
| <b>GUADALUPE COUNTY</b>                             |                                        |               |               |               |               |               |
| <b>GUADALUPE BASIN</b>                              |                                        |               |               |               |               |               |
| CRYSTAL CLEAR WSC                                   | 217                                    | (32)          | (310)         | (613)         | (937)         | (1,265)       |
| GONZALES COUNTY WSC                                 | 3                                      | 0             | (4)           | (8)           | (4)           | (8)           |
| GREEN VALLEY SUD                                    | (529)                                  | (639)         | (761)         | (897)         | (1,050)       | (1,204)       |
| LULING                                              | 1                                      | 0             | (1)           | (2)           | (2)           | (3)           |

**WUG NEEDS/SURPLUS**

| REGION L                                         | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                |                |                 |                 |                 |
|--------------------------------------------------|----------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                                  | 2020                                   | 2030           | 2040           | 2050            | 2060            | 2070            |
| <b>GUADALUPE COUNTY</b>                          |                                        |                |                |                 |                 |                 |
| <b>GUADALUPE BASIN</b>                           |                                        |                |                |                 |                 |                 |
| NEW BRAUNFELS                                    | 318                                    | (231)          | (771)          | (1,303)         | (1,835)         | (2,346)         |
| SANTA CLARA                                      | 20                                     | 17             | 14             | 12              | 9               | 6               |
| SCHERTZ                                          | 71                                     | (82)           | (194)          | (304)           | (420)           | (532)           |
| SEGUIN                                           | 3,834                                  | 3,078          | 2,333          | 1,673           | 971             | 280             |
| SPRINGS HILL WSC                                 | 3,761                                  | 3,525          | 3,173          | 2,630           | 2,048           | 1,464           |
| COUNTY-OTHER                                     | 1,506                                  | 1,648          | 1,532          | 1,490           | 1,453           | 1,417           |
| MANUFACTURING                                    | 658                                    | 362            | 78             | (167)           | (497)           | (855)           |
| MINING                                           | 0                                      | 0              | 0              | 0               | 0               | 0               |
| STEAM ELECTRIC POWER                             | 7,808                                  | 8,851          | 8,656          | 8,207           | 6,277           | 5,421           |
| LIVESTOCK                                        | 0                                      | 0              | 0              | 0               | 0               | 0               |
| IRRIGATION                                       | 1,156                                  | 1,195          | 1,232          | 1,243           | 1,245           | 1,262           |
| <b>GUADALUPE BASIN TOTAL<br/>NEEDS/SURPLUS</b>   | <b>18,824</b>                          | <b>17,692</b>  | <b>14,977</b>  | <b>11,961</b>   | <b>7,258</b>    | <b>3,637</b>    |
| <b>SAN ANTONIO BASIN</b>                         |                                        |                |                |                 |                 |                 |
| CIBOLO                                           | (1,767)                                | (4,247)        | (5,572)        | (6,871)         | (8,197)         | (9,499)         |
| EAST CENTRAL SUD                                 | 209                                    | 211            | 209            | 204             | 197             | 189             |
| GREEN VALLEY SUD                                 | (387)                                  | (467)          | (556)          | (655)           | (767)           | (879)           |
| MARION                                           | 168                                    | 143            | 116            | 87              | 57              | 27              |
| NEW BERLIN                                       | 0                                      | 0              | 0              | 0               | 0               | 0               |
| SANTA CLARA                                      | 119                                    | 105            | 89             | 73              | 56              | 39              |
| SCHERTZ                                          | 884                                    | (1,012)        | (2,418)        | (3,811)         | (5,253)         | (6,650)         |
| SELMA                                            | 165                                    | (8)            | (47)           | (82)            | (112)           | (137)           |
| SPRINGS HILL WSC                                 | 506                                    | 476            | 428            | 355             | 277             | 197             |
| WATER SERVICES INC                               | 24                                     | 22             | 19             | 15              | 11              | 6               |
| COUNTY-OTHER                                     | 377                                    | 342            | 293            | 274             | 257             | 242             |
| MANUFACTURING                                    | 6                                      | 5              | 4              | 4               | 3               | 1               |
| MINING                                           | 0                                      | 0              | 0              | 0               | 0               | 0               |
| LIVESTOCK                                        | 0                                      | 0              | 0              | 0               | 0               | 0               |
| IRRIGATION                                       | 1                                      | 9              | 17             | 20              | 20              | 24              |
| <b>SAN ANTONIO BASIN TOTAL<br/>NEEDS/SURPLUS</b> | <b>305</b>                             | <b>(4,421)</b> | <b>(7,418)</b> | <b>(10,387)</b> | <b>(13,451)</b> | <b>(16,440)</b> |
| <b>GUADALUPE COUNTY TOTAL NEEDS/SURPLUS</b>      | <b>19,129</b>                          | <b>13,271</b>  | <b>7,559</b>   | <b>1,574</b>    | <b>(6,193)</b>  | <b>(12,803)</b> |
| <b>HAYS COUNTY</b>                               |                                        |                |                |                 |                 |                 |
| <b>GUADALUPE BASIN</b>                           |                                        |                |                |                 |                 |                 |
| BUDA                                             | 23                                     | (66)           | (177)          | (317)           | (476)           | (657)           |
| COUNTY LINE WSC                                  | 301                                    | 228            | 132            | 6               | (138)           | (306)           |
| CREEDMOOR-MAHA WSC                               | (3)                                    | (5)            | (7)            | (11)            | (14)            | (19)            |
| CRYSTAL CLEAR WSC                                | 84                                     | (13)           | (118)          | (243)           | (388)           | (551)           |
| GOFORTH SUD                                      | 2,519                                  | 2,113          | 1,625          | 1,014           | 320             | (468)           |
| KYLE                                             | 1,176                                  | (1,348)        | (2,801)        | (2,787)         | (2,776)         | (2,772)         |
| MAXWELL WSC                                      | 176                                    | 144            | 120            | 101             | 83              | 64              |
| MOUNTAIN CITY                                    | 4                                      | (1)            | (7)            | (17)            | (29)            | (42)            |
| NIEDERWALD                                       | (49)                                   | (65)           | (85)           | (111)           | (140)           | (174)           |
| PLUM CREEK WATER COMPANY                         | 203                                    | (148)          | (145)          | (143)           | (141)           | (139)           |
| SAN MARCOS                                       | 1,867                                  | (140)          | (2,629)        | (5,685)         | (9,405)         | (13,855)        |
| UHLAND                                           | 0                                      | 0              | 0              | 0               | 0               | 0               |
| WIMBERLEY                                        | 218                                    | 44             | (174)          | (456)           | (778)           | (1,146)         |
| WIMBERLEY WSC                                    | 233                                    | 26             | (236)          | (564)           | (934)           | (1,356)         |

**WUG NEEDS/SURPLUS**

| REGION L                                            | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |              |              |                |                 |                 |
|-----------------------------------------------------|----------------------------------------|--------------|--------------|----------------|-----------------|-----------------|
|                                                     | 2020                                   | 2030         | 2040         | 2050           | 2060            | 2070            |
| <b>HAYS COUNTY</b>                                  |                                        |              |              |                |                 |                 |
| <b>GUADALUPE BASIN</b>                              |                                        |              |              |                |                 |                 |
| WOODCREEK                                           | 716                                    | 687          | 649          | 599            | 540             | 473             |
| COUNTY-OTHER                                        | 3,041                                  | 2,821        | 541          | (1,169)        | (6,714)         | (12,872)        |
| MANUFACTURING                                       | (107)                                  | (122)        | (138)        | (152)          | (165)           | (179)           |
| STEAM ELECTRIC POWER                                | 4,646                                  | 4,411        | 3,394        | 2,668          | 1,688           | 353             |
| LIVESTOCK                                           | 0                                      | 0            | 0            | 0              | 0               | 0               |
| IRRIGATION                                          | 88                                     | 94           | 100          | 106            | 112             | 118             |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>15,136</b>                          | <b>8,660</b> | <b>44</b>    | <b>(7,161)</b> | <b>(19,355)</b> | <b>(33,528)</b> |
| <b>HAYS COUNTY TOTAL NEEDS/SURPLUS</b>              | <b>15,136</b>                          | <b>8,660</b> | <b>44</b>    | <b>(7,161)</b> | <b>(19,355)</b> | <b>(33,528)</b> |
| <b>KARNES COUNTY</b>                                |                                        |              |              |                |                 |                 |
| <b>GUADALUPE BASIN</b>                              |                                        |              |              |                |                 |                 |
| EL OSO WSC                                          | 5                                      | 2            | 2            | 2              | 5               | 2               |
| COUNTY-OTHER                                        | 14                                     | 14           | 14           | 14             | 15              | 15              |
| MINING                                              | 0                                      | 0            | 0            | 0              | 0               | 0               |
| LIVESTOCK                                           | 0                                      | 0            | 0            | 0              | 0               | 0               |
| IRRIGATION                                          | 3                                      | 5            | 8            | 10             | 12              | 13              |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>          | <b>22</b>                              | <b>21</b>    | <b>24</b>    | <b>26</b>      | <b>32</b>       | <b>30</b>       |
| <b>NUECES BASIN</b>                                 |                                        |              |              |                |                 |                 |
| EL OSO WSC                                          | 10                                     | 9            | 11           | 11             | 12              | 12              |
| COUNTY-OTHER                                        | 9                                      | 9            | 9            | 9              | 9               | 9               |
| MINING                                              | (217)                                  | (156)        | (94)         | (35)           | 24              | 26              |
| LIVESTOCK                                           | 0                                      | 0            | 0            | 0              | 0               | 0               |
| IRRIGATION                                          | 0                                      | 4            | 7            | 11             | 14              | 16              |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>             | <b>(198)</b>                           | <b>(134)</b> | <b>(67)</b>  | <b>(4)</b>     | <b>59</b>       | <b>63</b>       |
| <b>SAN ANTONIO BASIN</b>                            |                                        |              |              |                |                 |                 |
| EL OSO WSC                                          | 321                                    | 326          | 333          | 337            | 350             | 343             |
| FALLS CITY                                          | 73                                     | 85           | 97           | 103            | 111             | 111             |
| KARNES CITY                                         | (336)                                  | (322)        | (298)        | (285)          | (249)           | (249)           |
| KENEDY                                              | (161)                                  | (189)        | (179)        | (178)          | (151)           | (151)           |
| RUNGE                                               | 43                                     | 41           | 45           | 46             | 47              | 47              |
| SUNKO WSC                                           | 20                                     | 12           | 5            | 2              | 0               | (2)             |
| COUNTY-OTHER                                        | 9                                      | 2            | 8            | 11             | 23              | 23              |
| MANUFACTURING                                       | 58                                     | 53           | 49           | 46             | 28              | 17              |
| MINING                                              | (1,581)                                | (1,094)      | (589)        | (89)           | 17              | 29              |
| LIVESTOCK                                           | 0                                      | 0            | 0            | 0              | 0               | 0               |
| IRRIGATION                                          | 187                                    | 241          | 291          | 335            | 375             | 406             |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>        | <b>(1,367)</b>                         | <b>(845)</b> | <b>(238)</b> | <b>328</b>     | <b>551</b>      | <b>574</b>      |
| <b>SAN ANTONIO-NUECES BASIN</b>                     |                                        |              |              |                |                 |                 |
| EL OSO WSC                                          | 4                                      | 4            | 4            | 4              | 4               | 4               |
| COUNTY-OTHER                                        | 14                                     | 14           | 14           | 14             | 14              | 14              |
| MINING                                              | (66)                                   | (42)         | (17)         | 9              | 9               | 1               |
| LIVESTOCK                                           | 0                                      | 0            | 0            | 0              | 0               | 0               |
| IRRIGATION                                          | 0                                      | 2            | 3            | 4              | 5               | 6               |
| <b>SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS</b> | <b>(48)</b>                            | <b>(22)</b>  | <b>4</b>     | <b>31</b>      | <b>32</b>       | <b>25</b>       |
| <b>KARNES COUNTY TOTAL NEEDS/SURPLUS</b>            | <b>(1,591)</b>                         | <b>(980)</b> | <b>(277)</b> | <b>381</b>     | <b>674</b>      | <b>692</b>      |

**WUG NEEDS/SURPLUS**

| REGION L                                     | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                 |                 |                 |                 |                 |
|----------------------------------------------|----------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                                              | 2020                                   | 2030            | 2040            | 2050            | 2060            | 2070            |
| <b>KENDALL COUNTY</b>                        |                                        |                 |                 |                 |                 |                 |
| <b>COLORADO BASIN</b>                        |                                        |                 |                 |                 |                 |                 |
| COUNTY-OTHER                                 | 47                                     | 40              | 31              | 22              | 13              | 3               |
| LIVESTOCK                                    | 0                                      | 0               | 0               | 0               | 0               | 0               |
| <b>COLORADO BASIN TOTAL NEEDS/SURPLUS</b>    | <b>47</b>                              | <b>40</b>       | <b>31</b>       | <b>22</b>       | <b>13</b>       | <b>3</b>        |
| <b>GUADALUPE BASIN</b>                       |                                        |                 |                 |                 |                 |                 |
| KENDALL COUNTY WCID #1                       | 472                                    | 434             | 391             | 345             | 294             | 244             |
| COUNTY-OTHER                                 | 2,327                                  | 1,989           | 1,625           | 1,252           | 856             | 464             |
| LIVESTOCK                                    | 0                                      | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                   | 55                                     | 61              | 68              | 73              | 78              | 84              |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>   | <b>2,854</b>                           | <b>2,484</b>    | <b>2,084</b>    | <b>1,670</b>    | <b>1,228</b>    | <b>792</b>      |
| <b>SAN ANTONIO BASIN</b>                     |                                        |                 |                 |                 |                 |                 |
| BOERNE                                       | 1,514                                  | 620             | (337)           | (1,295)         | (2,284)         | (3,258)         |
| FAIR OAKS RANCH                              | 540                                    | 512             | 459             | 426             | 298             | 153             |
| WATER SERVICES INC                           | 28                                     | 25              | 23              | 18              | 13              | 8               |
| COUNTY-OTHER                                 | 383                                    | 341             | 272             | 168             | 84              | 1               |
| LIVESTOCK                                    | 0                                      | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                   | 30                                     | 32              | 33              | 35              | 36              | 37              |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b> | <b>2,495</b>                           | <b>1,530</b>    | <b>450</b>      | <b>(648)</b>    | <b>(1,853)</b>  | <b>(3,059)</b>  |
| <b>KENDALL COUNTY TOTAL NEEDS/SURPLUS</b>    | <b>5,396</b>                           | <b>4,054</b>    | <b>2,565</b>    | <b>1,044</b>    | <b>(612)</b>    | <b>(2,264)</b>  |
| <b>LA SALLE COUNTY</b>                       |                                        |                 |                 |                 |                 |                 |
| <b>NUECES BASIN</b>                          |                                        |                 |                 |                 |                 |                 |
| COTULLA                                      | 132                                    | (16)            | (155)           | (323)           | 320             | 223             |
| ENCINAL                                      | 55                                     | 40              | 25              | 5               | 77              | 67              |
| COUNTY-OTHER                                 | (22)                                   | (56)            | (90)            | (133)           | 42              | 16              |
| MINING                                       | (4,088)                                | (4,243)         | (3,734)         | (2,290)         | (851)           | (147)           |
| LIVESTOCK                                    | 0                                      | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                   | 0                                      | 143             | 282             | 416             | 546             | 665             |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>      | <b>(3,923)</b>                         | <b>(4,132)</b>  | <b>(3,672)</b>  | <b>(2,325)</b>  | <b>134</b>      | <b>824</b>      |
| <b>LA SALLE COUNTY TOTAL NEEDS/SURPLUS</b>   | <b>(3,923)</b>                         | <b>(4,132)</b>  | <b>(3,672)</b>  | <b>(2,325)</b>  | <b>134</b>      | <b>824</b>      |
| <b>MEDINA COUNTY</b>                         |                                        |                 |                 |                 |                 |                 |
| <b>NUECES BASIN</b>                          |                                        |                 |                 |                 |                 |                 |
| BENTON CITY WSC                              | 338                                    | 267             | 196             | 124             | 55              | (9)             |
| DEVINE                                       | 88                                     | 77              | 68              | 54              | 36              | 19              |
| EAST MEDINA COUNTY SUD                       | 235                                    | 168             | 107             | 50              | (10)            | (64)            |
| HONDO                                        | (523)                                  | (680)           | (816)           | (943)           | (1,068)         | (1,180)         |
| LYTLE                                        | (34)                                   | (53)            | (71)            | (88)            | (106)           | (121)           |
| NATALIA                                      | (101)                                  | (129)           | (153)           | (176)           | (199)           | (220)           |
| YANCEY WSC                                   | (6)                                    | (19)            | (30)            | (41)            | (51)            | (61)            |
| COUNTY-OTHER                                 | 500                                    | 472             | 403             | 344             | 289             | 246             |
| MANUFACTURING                                | 1,898                                  | 1,895           | 1,891           | 1,888           | 1,884           | 1,879           |
| MINING                                       | 0                                      | 0               | 0               | 0               | 0               | 0               |
| LIVESTOCK                                    | 0                                      | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                   | (29,816)                               | (27,758)        | (25,779)        | (23,882)        | (22,065)        | (20,461)        |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>      | <b>(27,421)</b>                        | <b>(25,760)</b> | <b>(24,184)</b> | <b>(22,670)</b> | <b>(21,235)</b> | <b>(19,972)</b> |
| <b>SAN ANTONIO BASIN</b>                     |                                        |                 |                 |                 |                 |                 |
| CASTROVILLE                                  | (224)                                  | (217)           | (210)           | (208)           | (211)           | (214)           |
| EAST MEDINA COUNTY SUD                       | 22                                     | 15              | 10              | 4               | (1)             | (6)             |

**WUG NEEDS/SURPLUS**

| <b>REGION L</b>                                     | <b>WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR)</b> |                 |                 |                 |                 |                 |
|-----------------------------------------------------|-----------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                                                     | <b>2020</b>                                   | <b>2030</b>     | <b>2040</b>     | <b>2050</b>     | <b>2060</b>     | <b>2070</b>     |
| <b>MEDINA COUNTY</b>                                |                                               |                 |                 |                 |                 |                 |
| <b>SAN ANTONIO BASIN</b>                            |                                               |                 |                 |                 |                 |                 |
| LACOSTE                                             | (10)                                          | (20)            | (28)            | (37)            | (47)            | (56)            |
| SAN ANTONIO                                         | (4)                                           | (5)             | (7)             | (10)            | (12)            | (14)            |
| SAN ANTONIO WATER SYSTEM                            | (29)                                          | (94)            | (171)           | (253)           | (340)           | (421)           |
| YANCEY WSC                                          | (22)                                          | (76)            | (124)           | (167)           | (210)           | (248)           |
| COUNTY-OTHER                                        | 764                                           | 736             | 757             | 766             | 768             | 762             |
| MANUFACTURING                                       | 8                                             | 7               | 7               | 6               | 5               | 5               |
| MINING                                              | 0                                             | 0               | 50              | 50              | 50              | 50              |
| LIVESTOCK                                           | 0                                             | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                          | (1,713)                                       | (1,386)         | (1,071)         | (771)           | (482)           | (228)           |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>        | <b>(1,208)</b>                                | <b>(1,040)</b>  | <b>(787)</b>    | <b>(620)</b>    | <b>(480)</b>    | <b>(370)</b>    |
| <b>MEDINA COUNTY TOTAL NEEDS/SURPLUS</b>            | <b>(28,629)</b>                               | <b>(26,800)</b> | <b>(24,971)</b> | <b>(23,290)</b> | <b>(21,715)</b> | <b>(20,342)</b> |
| <b>REFUGIO COUNTY</b>                               |                                               |                 |                 |                 |                 |                 |
| <b>SAN ANTONIO BASIN</b>                            |                                               |                 |                 |                 |                 |                 |
| COUNTY-OTHER                                        | 1                                             | 1               | 2               | 2               | 4               | 4               |
| MINING                                              | 0                                             | 0               | 0               | 0               | 0               | 0               |
| LIVESTOCK                                           | 0                                             | 0               | 0               | 0               | 0               | 0               |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>        | <b>1</b>                                      | <b>1</b>        | <b>2</b>        | <b>2</b>        | <b>4</b>        | <b>4</b>        |
| <b>SAN ANTONIO-NUECES BASIN</b>                     |                                               |                 |                 |                 |                 |                 |
| REFUGIO                                             | 431                                           | 426             | 437             | 429             | 656             | 654             |
| WOODSBORO                                           | 245                                           | 245             | 252             | 246             | 348             | 347             |
| COUNTY-OTHER                                        | 4                                             | 10              | 23              | 21              | 160             | 159             |
| MINING                                              | 0                                             | 0               | 0               | 0               | 0               | 0               |
| LIVESTOCK                                           | 0                                             | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                          | 0                                             | 0               | 0               | 0               | 0               | 0               |
| <b>SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS</b> | <b>680</b>                                    | <b>681</b>      | <b>712</b>      | <b>696</b>      | <b>1,164</b>    | <b>1,160</b>    |
| <b>REFUGIO COUNTY TOTAL NEEDS/SURPLUS</b>           | <b>681</b>                                    | <b>682</b>      | <b>714</b>      | <b>698</b>      | <b>1,168</b>    | <b>1,164</b>    |
| <b>UVALDE COUNTY</b>                                |                                               |                 |                 |                 |                 |                 |
| <b>NUECES BASIN</b>                                 |                                               |                 |                 |                 |                 |                 |
| SABINAL                                             | (121)                                         | (153)           | (181)           | (212)           | (245)           | (277)           |
| UVALDE                                              | (943)                                         | (1,233)         | (1,484)         | (1,772)         | (2,072)         | (2,365)         |
| COUNTY-OTHER                                        | 2,938                                         | 2,453           | 2,408           | 2,356           | 2,287           | 2,190           |
| MANUFACTURING                                       | 102                                           | 89              | 103             | 130             | 139             | 117             |
| MINING                                              | (885)                                         | (1,001)         | (760)           | (365)           | 0               | 0               |
| LIVESTOCK                                           | 0                                             | 0               | 0               | 0               | 0               | 0               |
| IRRIGATION                                          | (28,543)                                      | (26,107)        | (24,049)        | (22,388)        | (21,571)        | (21,571)        |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>             | <b>(27,452)</b>                               | <b>(25,952)</b> | <b>(23,963)</b> | <b>(22,251)</b> | <b>(21,462)</b> | <b>(21,906)</b> |
| <b>UVALDE COUNTY TOTAL NEEDS/SURPLUS</b>            | <b>(27,452)</b>                               | <b>(25,952)</b> | <b>(23,963)</b> | <b>(22,251)</b> | <b>(21,462)</b> | <b>(21,906)</b> |
| <b>VICTORIA COUNTY</b>                              |                                               |                 |                 |                 |                 |                 |
| <b>GUADALUPE BASIN</b>                              |                                               |                 |                 |                 |                 |                 |
| VICTORIA                                            | (4,903)                                       | (5,480)         | (5,927)         | (6,378)         | (6,804)         | (7,168)         |
| COUNTY-OTHER                                        | 230                                           | 187             | 157             | 111             | 56              | 6               |
| MANUFACTURING                                       | (3,215)                                       | (6,053)         | (8,878)         | (11,403)        | (14,243)        | (17,289)        |
| MINING                                              | 0                                             | 0               | 0               | 0               | 0               | 0               |
| STEAM ELECTRIC POWER                                | (4,506)                                       | (29,778)        | (37,178)        | (53,599)        | (70,696)        | (70,696)        |

**WUG NEEDS/SURPLUS**

| REGION L                                          | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                 |                 |                 |                 |                  |
|---------------------------------------------------|----------------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|
|                                                   | 2020                                   | 2030            | 2040            | 2050            | 2060            | 2070             |
| <b>VICTORIA COUNTY</b>                            |                                        |                 |                 |                 |                 |                  |
| <b>GUADALUPE BASIN</b>                            |                                        |                 |                 |                 |                 |                  |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| IRRIGATION                                        | (1,326)                                | (1,326)         | (1,326)         | (1,326)         | (1,326)         | (1,326)          |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>        | <b>(13,720)</b>                        | <b>(42,450)</b> | <b>(53,152)</b> | <b>(72,595)</b> | <b>(93,013)</b> | <b>(96,473)</b>  |
| <b>LAVACA BASIN</b>                               |                                        |                 |                 |                 |                 |                  |
| COUNTY-OTHER                                      | 2                                      | 2               | 2               | 2               | 2               | 2                |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| <b>LAVACA BASIN TOTAL NEEDS/SURPLUS</b>           | <b>2</b>                               | <b>2</b>        | <b>2</b>        | <b>2</b>        | <b>2</b>        | <b>2</b>         |
| <b>LAVACA-GUADALUPE BASIN</b>                     |                                        |                 |                 |                 |                 |                  |
| VICTORIA                                          | (2,372)                                | (2,651)         | (2,867)         | (3,086)         | (3,291)         | (3,468)          |
| COUNTY-OTHER                                      | 191                                    | 161             | 138             | 107             | 68              | 33               |
| MINING                                            | 0                                      | 0               | 0               | 0               | 0               | 0                |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| IRRIGATION                                        | (702)                                  | (702)           | (702)           | (702)           | (702)           | (702)            |
| <b>LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b> | <b>(2,883)</b>                         | <b>(3,192)</b>  | <b>(3,431)</b>  | <b>(3,681)</b>  | <b>(3,925)</b>  | <b>(4,137)</b>   |
| <b>SAN ANTONIO BASIN</b>                          |                                        |                 |                 |                 |                 |                  |
| COUNTY-OTHER                                      | 1                                      | 1               | 1               | 1               | 0               | 0                |
| MINING                                            | 0                                      | 0               | 0               | 0               | 0               | 0                |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| <b>SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS</b>      | <b>1</b>                               | <b>1</b>        | <b>1</b>        | <b>1</b>        | <b>0</b>        | <b>0</b>         |
| <b>VICTORIA COUNTY TOTAL NEEDS/SURPLUS</b>        | <b>(16,600)</b>                        | <b>(45,639)</b> | <b>(56,580)</b> | <b>(76,273)</b> | <b>(96,936)</b> | <b>(100,608)</b> |
| <b>WILSON COUNTY</b>                              |                                        |                 |                 |                 |                 |                  |
| <b>GUADALUPE BASIN</b>                            |                                        |                 |                 |                 |                 |                  |
| NIXON                                             | 10                                     | 9               | 9               | 12              | 12              | 11               |
| SUNKO WSC                                         | 3                                      | 2               | 1               | 0               | 0               | (1)              |
| COUNTY-OTHER                                      | 85                                     | 76              | 68              | 61              | 54              | 47               |
| MINING                                            | 0                                      | 0               | 0               | 0               | 0               | 0                |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| <b>GUADALUPE BASIN TOTAL NEEDS/SURPLUS</b>        | <b>98</b>                              | <b>87</b>       | <b>78</b>       | <b>73</b>       | <b>66</b>       | <b>57</b>        |
| <b>NUECES BASIN</b>                               |                                        |                 |                 |                 |                 |                  |
| MCCOY WSC                                         | 30                                     | 26              | 22              | 17              | 11              | 6                |
| COUNTY-OTHER                                      | 45                                     | 36              | 26              | 17              | 8               | 0                |
| MINING                                            | 0                                      | 0               | 0               | 0               | 0               | 0                |
| LIVESTOCK                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| IRRIGATION                                        | 71                                     | 97              | 63              | 72              | 27              | 98               |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>           | <b>146</b>                             | <b>159</b>      | <b>111</b>      | <b>106</b>      | <b>46</b>       | <b>104</b>       |
| <b>SAN ANTONIO BASIN</b>                          |                                        |                 |                 |                 |                 |                  |
| EAST CENTRAL SUD                                  | 340                                    | 349             | 348             | 339             | 325             | 307              |
| EL OSO WSC                                        | 22                                     | 27              | 32              | 37              | 42              | 47               |
| ELMENDORF                                         | 0                                      | 0               | 0               | 0               | 0               | 0                |
| FLORESVILLE                                       | 396                                    | (8)             | (405)           | (770)           | (1,124)         | (1,445)          |
| LA VERNIA                                         | 33                                     | (25)            | (81)            | (133)           | (184)           | (229)            |
| MCCOY WSC                                         | 3                                      | 2               | 2               | 1               | 1               | 0                |
| OAK HILLS WSC                                     | 959                                    | 773             | 588             | 419             | 255             | 106              |
| POTH                                              | 916                                    | 841             | 766             | 696             | 627             | 565              |
| S S WSC                                           | 1,607                                  | 1,209           | 811             | 446             | 90              | (234)            |

**WUG NEEDS/SURPLUS**

| REGION L                                         | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) |                  |                  |                  |                  |                  |
|--------------------------------------------------|----------------------------------------|------------------|------------------|------------------|------------------|------------------|
|                                                  | 2020                                   | 2030             | 2040             | 2050             | 2060             | 2070             |
| <b>WILSON COUNTY</b>                             |                                        |                  |                  |                  |                  |                  |
| <b>SAN ANTONIO BASIN</b>                         |                                        |                  |                  |                  |                  |                  |
| STOCKDALE                                        | 1,378                                  | 1,300            | 1,223            | 1,152            | 1,083            | 1,020            |
| SUNKO WSC                                        | 465                                    | 320              | 162              | 52               | 1                | (114)            |
| COUNTY-OTHER                                     | 1,304                                  | 1,022            | 740              | 482              | 230              | 2                |
| MANUFACTURING                                    | 0                                      | 0                | 0                | 0                | 0                | 0                |
| MINING                                           | 0                                      | 0                | 0                | 0                | 0                | 0                |
| LIVESTOCK                                        | 0                                      | 0                | 0                | 0                | 0                | 0                |
| IRRIGATION                                       | 3,014                                  | 2,824            | 2,537            | 2,165            | 1,708            | 1,113            |
| <b>SAN ANTONIO BASIN TOTAL<br/>NEEDS/SURPLUS</b> | <b>10,437</b>                          | <b>8,634</b>     | <b>6,723</b>     | <b>4,886</b>     | <b>3,054</b>     | <b>1,138</b>     |
| <b>WILSON COUNTY TOTAL NEEDS/SURPLUS</b>         | <b>10,681</b>                          | <b>8,880</b>     | <b>6,912</b>     | <b>5,065</b>     | <b>3,166</b>     | <b>1,299</b>     |
| <b>ZAVALA COUNTY</b>                             |                                        |                  |                  |                  |                  |                  |
| <b>NUECES BASIN</b>                              |                                        |                  |                  |                  |                  |                  |
| CRYSTAL CITY                                     | 1,821                                  | 1,665            | 1,523            | 1,363            | 1,211            | 1,068            |
| ZAVALA COUNTY WCID #1                            | 795                                    | 747              | 705              | 659              | 616              | 575              |
| COUNTY-OTHER                                     | 328                                    | 282              | 228              | 173              | 122              | 74               |
| MANUFACTURING                                    | 488                                    | 447              | 408              | 376              | 310              | 240              |
| MINING                                           | 0                                      | 0                | 0                | 0                | 0                | 0                |
| LIVESTOCK                                        | 0                                      | 0                | 0                | 0                | 0                | 0                |
| IRRIGATION                                       | (18,487)                               | (16,805)         | (14,980)         | (13,049)         | (11,193)         | (9,443)          |
| <b>NUECES BASIN TOTAL NEEDS/SURPLUS</b>          | <b>(15,055)</b>                        | <b>(13,664)</b>  | <b>(12,116)</b>  | <b>(10,478)</b>  | <b>(8,934)</b>   | <b>(7,486)</b>   |
| <b>ZAVALA COUNTY TOTAL NEEDS/SURPLUS</b>         | <b>(15,055)</b>                        | <b>(13,664)</b>  | <b>(12,116)</b>  | <b>(10,478)</b>  | <b>(8,934)</b>   | <b>(7,486)</b>   |
|                                                  |                                        |                  |                  |                  |                  |                  |
| <b>REGION L TOTAL NEEDS/SURPLUS</b>              | <b>(34,235)</b>                        | <b>(121,363)</b> | <b>(192,752)</b> | <b>(268,870)</b> | <b>(350,674)</b> | <b>(421,879)</b> |

**Region L**  
**TWDB DB17 Identified Water Need Summary**



**WUG CATEGORY SUMMARY**

| <b>REGION L</b>                        | <b>2020</b> | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
|----------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>COUNTY-OTHER</b>                    |             |             |             |             |             |             |
| POPULATION                             | 212,941     | 241,867     | 291,092     | 336,582     | 412,033     | 490,646     |
| DEMAND (Acre-Feet per Year)            | 30,498      | 33,783      | 39,708      | 45,544      | 53,787      | 63,561      |
| EXISTING SUPPLIES (Acre-Feet per Year) | 52,144      | 51,771      | 51,892      | 52,129      | 52,344      | 52,549      |
| NEEDS (Acre-Feet per Year)             | (1,509)     | (1,706)     | (1,890)     | (3,562)     | (10,967)    | (19,140)    |
| <b>IRRIGATION</b>                      |             |             |             |             |             |             |
| DEMAND (Acre-Feet per Year)            | 344,629     | 330,377     | 317,106     | 304,772     | 293,076     | 282,760     |
| EXISTING SUPPLIES (Acre-Feet per Year) | 250,446     | 245,343     | 240,351     | 235,470     | 229,906     | 224,327     |
| NEEDS (Acre-Feet per Year)             | (101,582)   | (92,976)    | (85,019)    | (77,756)    | (71,610)    | (66,734)    |
| <b>LIVESTOCK</b>                       |             |             |             |             |             |             |
| DEMAND (Acre-Feet per Year)            | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      |
| EXISTING SUPPLIES (Acre-Feet per Year) | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      | 24,038      |
| NEEDS (Acre-Feet per Year)             | 0           | 0           | 0           | 0           | 0           | 0           |
| <b>MANUFACTURING</b>                   |             |             |             |             |             |             |
| DEMAND (Acre-Feet per Year)            | 123,983     | 135,026     | 145,993     | 155,671     | 167,307     | 178,820     |
| EXISTING SUPPLIES (Acre-Feet per Year) | 139,879     | 139,879     | 139,916     | 139,967     | 139,991     | 139,991     |
| NEEDS (Acre-Feet per Year)             | (7,653)     | (11,250)    | (14,815)    | (20,254)    | (30,199)    | (41,365)    |
| <b>MINING</b>                          |             |             |             |             |             |             |
| DEMAND (Acre-Feet per Year)            | 48,738      | 49,976      | 48,601      | 44,647      | 40,831      | 41,209      |
| EXISTING SUPPLIES (Acre-Feet per Year) | 37,034      | 38,494      | 39,211      | 39,219      | 38,894      | 40,692      |
| NEEDS (Acre-Feet per Year)             | (11,707)    | (11,482)    | (9,454)     | (5,512)     | (2,073)     | (666)       |
| <b>MUNICIPAL</b>                       |             |             |             |             |             |             |
| POPULATION                             | 2,788,524   | 3,234,681   | 3,628,444   | 3,999,545   | 4,358,152   | 4,701,382   |
| DEMAND (Acre-Feet per Year)            | 438,567     | 493,023     | 542,713     | 593,050     | 640,769     | 690,745     |
| EXISTING SUPPLIES (Acre-Feet per Year) | 423,316     | 425,880     | 421,807     | 421,612     | 421,338     | 421,097     |
| NEEDS (Acre-Feet per Year)             | (82,016)    | (117,672)   | (163,751)   | (207,306)   | (250,785)   | (296,434)   |
| <b>STEAM ELECTRIC POWER</b>            |             |             |             |             |             |             |
| DEMAND (Acre-Feet per Year)            | 59,901      | 89,807      | 101,070     | 122,845     | 146,639     | 152,702     |
| EXISTING SUPPLIES (Acre-Feet per Year) | 109,262     | 109,262     | 109,262     | 109,262     | 109,262     | 109,262     |
| NEEDS (Acre-Feet per Year)             | (4,506)     | (29,778)    | (37,178)    | (53,599)    | (70,696)    | (70,696)    |

**Region L**  
**TWDB DB17 Source Water Balance Report**

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>        |               |              |                 |                                                  |             |             |             |             |             |
|------------------------|---------------|--------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>     | <b>COUNTY</b> | <b>BASIN</b> | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                        |               |              |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| AUSTIN CHALK AQUIFER   | UVALDE        | NUECES       | FRESH           | 1,155                                            | 1,155       | 1,155       | 1,155       | 1,155       | 1,155       |
| BUDA LIMESTONE AQUIFER | UVALDE        | NUECES       | FRESH           | 233                                              | 233         | 233         | 233         | 233         | 233         |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | NUECES       | FRESH           | 19,843                                           | 22,308      | 24,803      | 28,153      | 31,679      | 32,832      |
| CARRIZO-WILCOX AQUIFER | ATASCOSA      | SAN ANTONIO  | FRESH           | 5                                                | 5           | 5           | 5           | 5           | 5           |
| CARRIZO-WILCOX AQUIFER | BEXAR         | NUECES       | FRESH           | 8,884                                            | 8,884       | 8,884       | 8,884       | 8,884       | 8,884       |
| CARRIZO-WILCOX AQUIFER | BEXAR         | SAN ANTONIO  | FRESH           | 3,475                                            | 3,475       | 3,475       | 3,475       | 3,304       | 3,304       |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | COLORADO     | FRESH           | 293                                              | 295         | 298         | 300         | 302         | 303         |
| CARRIZO-WILCOX AQUIFER | CALDWELL      | GUADALUPE    | FRESH           | 32,297                                           | 31,912      | 31,935      | 31,383      | 31,407      | 31,417      |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | DIMMIT        | RIO GRANDE   | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | FRIO          | NUECES       | FRESH           | 3,237                                            | 3,329       | 3,427       | 3,620       | 3,786       | 5,827       |
| CARRIZO-WILCOX AQUIFER | GONZALES      | GUADALUPE    | FRESH           | 20,794                                           | 26,624      | 32,492      | 33,066      | 33,460      | 33,483      |
| CARRIZO-WILCOX AQUIFER | GONZALES      | LAVACA       | FRESH           | 128                                              | 128         | 128         | 128         | 128         | 128         |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | GUADALUPE    | FRESH           | 386                                              | 766         | 2,437       | 2,870       | 3,273       | 3,154       |
| CARRIZO-WILCOX AQUIFER | GUADALUPE     | SAN ANTONIO  | FRESH           | 147                                              | 123         | 101         | 72          | 40          | 0           |
| CARRIZO-WILCOX AQUIFER | KARNES        | GUADALUPE    | FRESH           | 7                                                | 56          | 102         | 144         | 186         | 188         |
| CARRIZO-WILCOX AQUIFER | KARNES        | NUECES       | FRESH           | 0                                                | 5           | 9           | 11          | 13          | 13          |
| CARRIZO-WILCOX AQUIFER | KARNES        | SAN ANTONIO  | FRESH           | 1                                                | 0           | 0           | 0           | 1           | 1           |
| CARRIZO-WILCOX AQUIFER | LA SALLE      | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | MEDINA        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | MEDINA        | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | UVALDE        | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CARRIZO-WILCOX AQUIFER | WILSON        | GUADALUPE    | FRESH           | 335                                              | 429         | 523         | 628         | 739         | 757         |
| CARRIZO-WILCOX AQUIFER | WILSON        | NUECES       | FRESH           | 2,216                                            | 2,945       | 3,677       | 4,341       | 5,028       | 5,246       |
| CARRIZO-WILCOX AQUIFER | WILSON        | SAN ANTONIO  | FRESH           | 3,512                                            | 6,301       | 9,127       | 12,186      | 15,434      | 16,593      |
| CARRIZO-WILCOX AQUIFER | ZAVALA        | NUECES       | FRESH           | 0                                                | 1           | 1           | 0           | 1           | 0           |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | NUECES       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | ATASCOSA      | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | BEXAR         | SAN ANTONIO  | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER    | CALDWELL      | COLORADO     | SALINE          | 64                                               | 64          | 64          | 64          | 64          | 64          |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                  |               |                    |                 |                                                  |             |             |             |             |             |
|----------------------------------|---------------|--------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>               | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                  |               |                    |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| EDWARDS-BFZ AQUIFER              | CALDWELL      | GUADALUPE          | SALINE          | 134                                              | 134         | 134         | 134         | 134         | 134         |
| EDWARDS-BFZ AQUIFER              | COMAL         | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | COMAL         | SAN ANTONIO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | FRIO          | NUECES             | FRESH           | 23,213                                           | 23,213      | 23,213      | 23,213      | 23,213      | 23,213      |
| EDWARDS-BFZ AQUIFER              | GUADALUPE     | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | FRESH           | 680                                              | 680         | 680         | 680         | 680         | 680         |
| EDWARDS-BFZ AQUIFER              | HAYS          | GUADALUPE          | SALINE          | 235                                              | 235         | 235         | 235         | 235         | 235         |
| EDWARDS-BFZ AQUIFER              | MEDINA        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | MEDINA        | SAN ANTONIO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | UVALDE        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-BFZ AQUIFER              | BEXAR         | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | COLORADO           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | KENDALL       | SAN ANTONIO        | FRESH           | 160                                              | 160         | 160         | 160         | 160         | 160         |
| EDWARDS-TRINITY-PLATEAU AQUIFER  | UVALDE        | NUECES             | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL      | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | COLORADO-LAVACA    | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | GUADALUPE          | FRESH           | 15                                               | 15          | 15          | 15          | 15          | 15          |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA             | FRESH           | 2                                                | 2           | 2           | 2           | 2           | 2           |
| GULF COAST AQUIFER               | CALHOUN       | LAVACA-GUADALUPE   | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 4                                                | 4           | 4           | 4           | 4           | 4           |
| GULF COAST AQUIFER               | DEWITT        | GUADALUPE          | FRESH           | 87                                               | 233         | 824         | 1,411       | 1,998       | 2,263       |
| GULF COAST AQUIFER               | DEWITT        | LAVACA             | FRESH           | 698                                              | 705         | 749         | 799         | 912         | 968         |
| GULF COAST AQUIFER               | DEWITT        | LAVACA-GUADALUPE   | FRESH           | 393                                              | 393         | 393         | 393         | 393         | 393         |
| GULF COAST AQUIFER               | DEWITT        | SAN ANTONIO        | FRESH           | 207                                              | 223         | 285         | 348         | 409         | 437         |
| GULF COAST AQUIFER               | GOLIAD        | GUADALUPE          | FRESH           | 38                                               | 38          | 38          | 38          | 38          | 38          |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO        | FRESH           | 3,604                                            | 3,604       | 3,604       | 3,604       | 3,604       | 3,604       |
| GULF COAST AQUIFER               | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 355                                              | 355         | 355         | 355         | 355         | 355         |
| GULF COAST AQUIFER               | GONZALES      | GUADALUPE          | FRESH           | 1,866                                            | 1,866       | 1,866       | 1,866       | 1,866       | 1,866       |
| GULF COAST AQUIFER               | GONZALES      | LAVACA             | FRESH           | 182                                              | 182         | 182         | 182         | 182         | 182         |
| GULF COAST AQUIFER               | KARNES        | GUADALUPE          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GULF COAST AQUIFER               | KARNES        | NUECES             | FRESH           | 0                                                | 0           | 1           | 5           | 8           | 10          |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO        | FRESH           | 0                                                | 1           | 0           | 0           | 1           | 1           |
| GULF COAST AQUIFER               | KARNES        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0           | 0           | 0           | 23          | 32          |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO        | FRESH           | 1,491                                            | 1,491       | 1,491       | 1,492       | 1,493       | 1,493       |
| GULF COAST AQUIFER               | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 24,438                                           | 24,435      | 24,453      | 24,465      | 24,478      | 24,487      |
| GULF COAST AQUIFER               | VICTORIA      | GUADALUPE          | FRESH           | 2                                                | 0           | 10          | 17          | 24          | 29          |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>      |               |                  |                 |                                                  |             |             |             |             |             |
|----------------------|---------------|------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>GROUNDWATER</b>   | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                      |               |                  |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA           | FRESH           | 207                                              | 207         | 207         | 207         | 207         | 207         |
| GULF COAST AQUIFER   | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 41                                               | 40          | 48          | 55          | 62          | 66          |
| GULF COAST AQUIFER   | VICTORIA      | SAN ANTONIO      | FRESH           | 898                                              | 898         | 899         | 900         | 900         | 900         |
| LEONA GRAVEL AQUIFER | MEDINA        | NUECES           | FRESH           | 16,551                                           | 16,396      | 16,266      | 16,134      | 15,967      | 15,785      |
| LEONA GRAVEL AQUIFER | MEDINA        | SAN ANTONIO      | FRESH           | 3,828                                            | 3,777       | 3,683       | 3,639       | 3,584       | 3,523       |
| LEONA GRAVEL AQUIFER | UVALDE        | NUECES           | FRESH           | 1                                                | 0           | 0           | 0           | 753         | 2,469       |
| QUEEN CITY AQUIFER   | ATASCOSA      | NUECES           | FRESH           | 1,683                                            | 1,650       | 1,542       | 1,437       | 1,339       | 1,339       |
| QUEEN CITY AQUIFER   | CALDWELL      | GUADALUPE        | FRESH           | 71                                               | 71          | 71          | 71          | 71          | 71          |
| QUEEN CITY AQUIFER   | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | DIMMIT        | RIO GRANDE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | FRIO          | NUECES           | FRESH           | 2,174                                            | 2,014       | 1,912       | 1,816       | 1,875       | 2,075       |
| QUEEN CITY AQUIFER   | GONZALES      | GUADALUPE        | FRESH           | 3,847                                            | 3,847       | 3,847       | 3,847       | 3,847       | 3,847       |
| QUEEN CITY AQUIFER   | GONZALES      | LAVACA           | FRESH           | 35                                               | 35          | 35          | 35          | 35          | 35          |
| QUEEN CITY AQUIFER   | GUADALUPE     | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | WILSON        | GUADALUPE        | FRESH           | 107                                              | 94          | 83          | 73          | 65          | 65          |
| QUEEN CITY AQUIFER   | WILSON        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| QUEEN CITY AQUIFER   | WILSON        | SAN ANTONIO      | FRESH           | 896                                              | 775         | 668         | 574         | 492         | 492         |
| QUEEN CITY AQUIFER   | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | ATASCOSA      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | FRIO          | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | GONZALES      | GUADALUPE        | FRESH           | 1,940                                            | 1,940       | 1,940       | 1,940       | 1,940       | 1,940       |
| SPARTA AQUIFER       | GONZALES      | LAVACA           | FRESH           | 23                                               | 23          | 23          | 23          | 23          | 23          |
| SPARTA AQUIFER       | KARNES        | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SPARTA AQUIFER       | WILSON        | GUADALUPE        | FRESH           | 16                                               | 14          | 12          | 10          | 9           | 9           |
| SPARTA AQUIFER       | WILSON        | NUECES           | FRESH           | 39                                               | 34          | 29          | 24          | 21          | 21          |
| SPARTA AQUIFER       | WILSON        | SAN ANTONIO      | FRESH           | 154                                              | 137         | 121         | 108         | 97          | 97          |
| SPARTA AQUIFER       | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | BEXAR         | NUECES           | FRESH           | 222                                              | 222         | 222         | 222         | 222         | 222         |
| TRINITY AQUIFER      | BEXAR         | SAN ANTONIO      | FRESH           | 26,679                                           | 25,759      | 24,966      | 24,095      | 23,100      | 21,997      |
| TRINITY AQUIFER      | CALDWELL      | GUADALUPE        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| TRINITY AQUIFER      | COMAL         | GUADALUPE        | FRESH           | 19,729                                           | 18,389      | 17,099      | 15,973      | 14,562      | 12,982      |
| TRINITY AQUIFER      | COMAL         | SAN ANTONIO      | FRESH           | 3,211                                            | 3,155       | 3,101       | 3,054       | 2,996       | 2,930       |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)****REGION L**

| GROUNDWATER                                   | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FeET PER YEAR) |                |                |                |                |                |
|-----------------------------------------------|-----------|-------------|----------|-------------------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                               |           |             |          | 2020                                      | 2030           | 2040           | 2050           | 2060           | 2070           |
| TRINITY AQUIFER                               | GUADALUPE | GUADALUPE   | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | GUADALUPE | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | HAYS      | GUADALUPE   | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | KENDALL   | COLORADO    | FRESH    | 86                                        | 86             | 86             | 86             | 86             | 86             |
| TRINITY AQUIFER                               | KENDALL   | GUADALUPE   | FRESH    | 3,715                                     | 3,715          | 3,715          | 3,715          | 3,715          | 3,715          |
| TRINITY AQUIFER                               | KENDALL   | SAN ANTONIO | FRESH    | 2,440                                     | 2,440          | 2,440          | 2,440          | 2,440          | 2,440          |
| TRINITY AQUIFER                               | MEDINA    | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | MEDINA    | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| TRINITY AQUIFER                               | UVALDE    | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | ATASCOSA  | NUECES      | FRESH    | 407                                       | 407            | 407            | 407            | 407            | 407            |
| YEGUA-JACKSON AQUIFER                         | FRIO      | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | GONZALES  | GUADALUPE   | FRESH    | 211                                       | 211            | 211            | 211            | 211            | 211            |
| YEGUA-JACKSON AQUIFER                         | GONZALES  | LAVACA      | FRESH    | 3                                         | 3              | 3              | 3              | 3              | 3              |
| YEGUA-JACKSON AQUIFER                         | KARNES    | GUADALUPE   | FRESH    | 65                                        | 65             | 65             | 65             | 65             | 65             |
| YEGUA-JACKSON AQUIFER                         | KARNES    | NUECES      | FRESH    | 12                                        | 12             | 12             | 12             | 12             | 12             |
| YEGUA-JACKSON AQUIFER                         | KARNES    | SAN ANTONIO | FRESH    | 0                                         | 0              | 0              | 0              | 396            | 410            |
| YEGUA-JACKSON AQUIFER                         | LA SALLE  | NUECES      | FRESH    | 0                                         | 0              | 0              | 0              | 0              | 0              |
| YEGUA-JACKSON AQUIFER                         | WILSON    | GUADALUPE   | FRESH    | 43                                        | 43             | 43             | 43             | 43             | 43             |
| YEGUA-JACKSON AQUIFER                         | WILSON    | NUECES      | FRESH    | 143                                       | 143            | 143            | 143            | 143            | 143            |
| YEGUA-JACKSON AQUIFER                         | WILSON    | SAN ANTONIO | FRESH    | 380                                       | 380            | 380            | 380            | 380            | 380            |
| <b>GROUNDWATER TOTAL SOURCE WATER BALANCE</b> |           |             |          | <b>244,673</b>                            | <b>253,989</b> | <b>265,849</b> | <b>271,878</b> | <b>279,417</b> | <b>283,198</b> |

**REGION L**

| REUSE                                   | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FeET PER YEAR) |          |          |          |          |          |
|-----------------------------------------|-----------|-------------|----------|-------------------------------------------|----------|----------|----------|----------|----------|
|                                         |           |             |          | 2020                                      | 2030     | 2040     | 2050     | 2060     | 2070     |
| DIRECT REUSE                            | BEXAR     | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | COMAL     | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | GUADALUPE | GUADALUPE   | FRESH    | 1                                         | 1        | 1        | 1        | 1        | 1        |
| DIRECT REUSE                            | HAYS      | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KARNES    | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KENDALL   | GUADALUPE   | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| DIRECT REUSE                            | KENDALL   | SAN ANTONIO | FRESH    | 0                                         | 0        | 0        | 0        | 0        | 0        |
| <b>REUSE TOTAL SOURCE WATER BALANCE</b> |           |             |          | <b>1</b>                                  | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> | <b>1</b> |

**REGION L**

| SURFACE WATER         | COUNTY    | BASIN       | SALINITY | SOURCE WATER BALANCE (ACRE-FeET PER YEAR) |      |      |      |      |      |
|-----------------------|-----------|-------------|----------|-------------------------------------------|------|------|------|------|------|
|                       |           |             |          | 2020                                      | 2030 | 2040 | 2050 | 2060 | 2070 |
| BOERNE LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH    | 0                                         | 0    | 0    | 0    | 0    | 0    |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                        |               |                 |                 |                                                  |             |             |             |             |             |
|----------------------------------------|---------------|-----------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                   | <b>COUNTY</b> | <b>BASIN</b>    | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                        |               |                 |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| CALAVERAS LAKE/RESERVOIR               | RESERVOIR     | SAN ANTONIO     | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| CANYON LAKE/RESERVOIR                  | RESERVOIR     | GUADALUPE       | FRESH           | 5,480                                            | 5,340       | 9,200       | 9,060       | 8,920       | 8,780       |
| COLETO CREEK LAKE/RESERVOIR            | RESERVOIR     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO LIVESTOCK LOCAL SUPPLY        | CALDWELL      | COLORADO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO LIVESTOCK LOCAL SUPPLY        | KENDALL       | COLORADO        | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN       | COLORADO-LAVACA | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | CALDWELL      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | COMAL         | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | DEWITT        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GOLIAD        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GONZALES      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | GUADALUPE     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | HAYS          | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KARNES        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | KENDALL       | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | VICTORIA      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE LIVESTOCK LOCAL SUPPLY       | WILSON        | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | CALDWELL      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | CALHOUN       | GUADALUPE       | FRESH           | 43,767                                           | 43,767      | 43,767      | 43,767      | 43,767      | 43,767      |
| GUADALUPE RUN-OF-RIVER                 | COMAL         | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | GONZALES      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | GUADALUPE     | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | HAYS          | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | KENDALL       | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| GUADALUPE RUN-OF-RIVER                 | VICTORIA      | GUADALUPE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA LIVESTOCK LOCAL SUPPLY          | DEWITT        | LAVACA          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA LIVESTOCK LOCAL SUPPLY          | GONZALES      | LAVACA          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA LIVESTOCK LOCAL SUPPLY          | VICTORIA      | LAVACA          | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |

**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                         |               |                  |                 |                                                  |             |             |             |             |             |
|-----------------------------------------|---------------|------------------|-----------------|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <b>SURFACE WATER</b>                    | <b>COUNTY</b> | <b>BASIN</b>     | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |             |             |             |             |             |
|                                         |               |                  |                 | <b>2020</b>                                      | <b>2030</b> | <b>2040</b> | <b>2050</b> | <b>2060</b> | <b>2070</b> |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN       | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT        | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA      | LAVACA-GUADALUPE | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | ATASCOSA      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | BEXAR         | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | FRIO          | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | MEDINA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | UVALDE        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | WILSON        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES LIVESTOCK LOCAL SUPPLY           | ZAVALA        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | DIMMIT        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | LA SALLE      | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| NUECES RUN-OF-RIVER                     | UVALDE        | NUECES           | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY       | DIMMIT        | RIO GRANDE       | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | BEXAR         | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | COMAL         | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | DEWITT        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | GOLIAD        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KARNES        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | KENDALL       | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | MEDINA        | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | REFUGIO       | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY      | VICTORIA      | SAN ANTONIO      | FRESH           | 0                                                | 0           | 0           | 0           | 0           | 0           |



**SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)**

| <b>REGION L</b>                                 |               |                    |                 |                                                  |                |                |                |                |                |
|-------------------------------------------------|---------------|--------------------|-----------------|--------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>SURFACE WATER</b>                            | <b>COUNTY</b> | <b>BASIN</b>       | <b>SALINITY</b> | <b>SOURCE WATER BALANCE (ACRE-FEET PER YEAR)</b> |                |                |                |                |                |
|                                                 |               |                    |                 | <b>2020</b>                                      | <b>2030</b>    | <b>2040</b>    | <b>2050</b>    | <b>2060</b>    | <b>2070</b>    |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY              | WILSON        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | BEXAR         | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | GOLIAD        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | KARNES        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO RUN-OF-RIVER                        | WILSON        | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | CALHOUN       | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | GOLIAD        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | KARNES        | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY       | REFUGIO       | SAN ANTONIO-NUECES | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| VICTOR BRAUNIG LAKE/RESERVOIR                   | RESERVOIR     | SAN ANTONIO        | FRESH           | 0                                                | 0              | 0              | 0              | 0              | 0              |
| <b>SURFACE WATER TOTAL SOURCE WATER BALANCE</b> |               |                    |                 | <b>49,247</b>                                    | <b>49,107</b>  | <b>52,967</b>  | <b>52,827</b>  | <b>52,687</b>  | <b>52,547</b>  |
|                                                 |               |                    |                 |                                                  |                |                |                |                |                |
| <b>REGION L TOTAL SOURCE WATER BALANCE</b>      |               |                    |                 | <b>293,921</b>                                   | <b>303,097</b> | <b>318,817</b> | <b>324,706</b> | <b>332,105</b> | <b>335,746</b> |

Appendix E

2016 SCTRWP - Potentially Feasible Water Management Strategies

|                                         |                                                            | YR 2070<br>Supply<br>(acft/yr) | Near-Term<br>Unit Cost<br>(\$/acft/yr) | Sponsor                     | Notes                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|------------------------------------------------------------|--------------------------------|----------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended Water Management Strategies | Water Conservation                                         | 96,288                         | \$684                                  | All Municipal Users         | Average Unit Cost (Varies by Land Use )                                                                                                                                                                                                                                                     |
|                                         | Drought Management (2020 for all Entities other than SAWS) | 2,839                          | \$1,554                                | Municipal Users             | Municipal WUGs with Needs in YR 2020, average Unit Cost                                                                                                                                                                                                                                     |
|                                         |                                                            |                                |                                        |                             | Unit cost based on increase to                                                                                                                                                                                                                                                              |
|                                         | Edwards Aquifer Habitat Conservation Plan                  | 0                              | \$345                                  | All Edwards Users           | Edwards firm existing supply (~50,600 acft/yr)                                                                                                                                                                                                                                              |
|                                         | CRWA Wells Ranch - Phase 2 - MAG-Limited                   | 7,829                          | \$858                                  | CRWA                        | Limited to 7,658 acft/yr in YR 2030                                                                                                                                                                                                                                                         |
|                                         | Brackish Wilcox Groundwater for CRWA - MAG-Limited         | 3,839                          | \$2,619                                | CRWA                        |                                                                                                                                                                                                                                                                                             |
|                                         | CRWA Siesta Project                                        | 5,042                          | \$1,186                                | CRWA                        |                                                                                                                                                                                                                                                                                             |
|                                         | CVLGC Carrizo Project - MAG-Limited                        | 0                              | N/A                                    | CVLGC                       |                                                                                                                                                                                                                                                                                             |
|                                         | CVLGC Carrizo Project w/ Conversions                       | 10,000                         | \$1,834                                | CVLGC                       |                                                                                                                                                                                                                                                                                             |
|                                         | GBRA Mid-Basin Project (ASR)                               | 50,000                         | \$1,637                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | GBRA Lower Basin Storage (500 acre site)                   | 51,800                         | \$140                                  | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | GBRA Lower Basin New Appropriation                         | 42,000                         | \$591                                  | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Integrated Water-Power Project                             | 100,000                        | \$2,393                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Victoria County Steam-Electric Project                     | 29,100                         | \$1,225                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Western Canyon WTP Expansion                               | N/A                            | \$344                                  | GBRA                        | Unit cost based on capacity of expansion (5,600 acft/yr)                                                                                                                                                                                                                                    |
|                                         | Hays/Caldwell PUA Project - MAG-Limited                    | 21,833                         | \$1,926                                | HCPUA                       |                                                                                                                                                                                                                                                                                             |
|                                         | Brackish Wilcox Groundwater for SAWS - MAG-Limited         | 5,622                          | \$1,289                                | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Expanded Local Carrizo - MAG-Limited                  | 5,419                          | \$700                                  | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | Vista Ridge Project - MAG-Limited                          | 34,894                         | \$2,177                                | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Expanded Brackish Project - MAG-Limited               | 0                              | N/A                                    | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Seawater Desalination                                 | 84,023                         | \$2,713                                | SAWS                        | 75 MGD of Potable Supply                                                                                                                                                                                                                                                                    |
|                                         | Advanced Meter Infrastructure for SAWS                     | 5,598                          | \$216                                  | SAWS                        | Supply in terms of Saved Water (Leaks)                                                                                                                                                                                                                                                      |
|                                         | SAWS Conservation Goals                                    | 2,792                          | \$600                                  | SAWS                        | Varies from 2,792 acft/yr to 15,974 acft/yr                                                                                                                                                                                                                                                 |
|                                         | Long-term Drought Management for SAWS                      | 68,190                         | \$342                                  | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Direct Reuse                                          | 40,000                         | \$458                                  | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | Water Resources Integration Pipeline                       | N/A                            | N/A                                    | SAWS                        | Capacity of transmission line (84,000 acft/yr)                                                                                                                                                                                                                                              |
|                                         |                                                            |                                |                                        |                             | Direct Recycle Pipeline to Lake Braunig. Unit cost based on                                                                                                                                                                                                                                 |
|                                         | Dos Rios WWTP - CPS Pipeline                               | N/A                            | \$50                                   | SAWS                        | capacity of transmission line (50,000 acft/yr).                                                                                                                                                                                                                                             |
|                                         | SSLGC Expanded Carrizo Project (Guadalupe County)          | 6,500                          | \$1,070                                | SSLGC                       |                                                                                                                                                                                                                                                                                             |
|                                         | SSLGC Brackish Wilcox (Gonz Co) - MAG-Limited              | 1,392                          | \$5,032                                | SSLGC                       | Limited to 0 acft/yr in YR 2030                                                                                                                                                                                                                                                             |
|                                         | TWA Carrizo Project - MAG-Limited                          | 15,000                         | \$2,490                                | TWA                         | Limited to 14,680 acft/yr in YR 2030                                                                                                                                                                                                                                                        |
|                                         | TWA Trinity Project                                        | 5,000                          | \$613                                  | TWA                         |                                                                                                                                                                                                                                                                                             |
|                                         | New Braunfels Utilities ASR                                | 8,300                          | \$462                                  | NBU                         |                                                                                                                                                                                                                                                                                             |
|                                         | New Braunfels Utilities Trinity                            | 1,090                          | \$634                                  | NBU                         |                                                                                                                                                                                                                                                                                             |
|                                         | Direct Reuse/Recycle                                       | 11,709                         | \$481                                  | NBU                         | Zero discharge by 2070                                                                                                                                                                                                                                                                      |
|                                         | Hays Forestar Project - MAG-Limited                        | 12,356                         | \$1,942                                | Hays County                 |                                                                                                                                                                                                                                                                                             |
|                                         |                                                            |                                |                                        |                             |                                                                                                                                                                                                                                                                                             |
|                                         | Hays County Pipeline Project                               | N/A                            | \$427                                  | Hays County                 | Unit cost based on capacity of transmission line (15,314 acft/yr)                                                                                                                                                                                                                           |
|                                         | Uvalde ASR - MAG-Limited                                   | 1,155                          | \$2,803                                | Uvalde                      |                                                                                                                                                                                                                                                                                             |
|                                         | Victoria ASR                                               | 7,900                          | \$192                                  | Victoria                    |                                                                                                                                                                                                                                                                                             |
|                                         | Victoria Groundwater-Surface Water Exchange                | 8,544                          | \$0                                    | Victoria                    | Based on current Victoria County GCD permits                                                                                                                                                                                                                                                |
|                                         | Brackish Wilcox for SS WSC - MAG-Limited                   | 0                              | N/A                                    | SS WSC                      |                                                                                                                                                                                                                                                                                             |
|                                         |                                                            |                                |                                        |                             |                                                                                                                                                                                                                                                                                             |
|                                         | Facilities Expansions                                      | N/A                            | N/A                                    | Municipal Users             | Atascosa Rural WSC, Helotes, Gonzales Co WSC, Springs Hill WSC, Yancey WSC, Port O'Connor, and CCMA                                                                                                                                                                                         |
|                                         |                                                            |                                |                                        |                             |                                                                                                                                                                                                                                                                                             |
|                                         | Edwards Transfers                                          | 11,772                         | \$1,415                                | Municipal Users             | Sabinal, Uvalde, Castroville, East Medina SUD, Hondo, La Coste, Natalia, Yancey WSC, Medina Co Other, Alamo Heights, Atascosa Rural WSC, Converse, Kirby, Leon Valley, Shavano Park, Windcrest, CRWA, and Lytle                                                                             |
|                                         |                                                            |                                |                                        |                             |                                                                                                                                                                                                                                                                                             |
|                                         | Local GW (Carrizo)                                         | 9,151                          | \$1,298                                | Municipal Users             | Average Cost for Benton City WSC, Asherton, Carrizo Springs, Gonzales, Gonzales WSC, Cotulla (YR 2050 Needs), La Salle Co Other (YR 2050 Needs), Floresville, Pearsall, Polonia WSC, Sunko WSC, Dimmit County-Other, La Salle County-Other, Dimmit County Mining and La Salle County Mining |
|                                         | Local GW (Gulf Coast)                                      | 2,098                          | \$3,111                                | Municipal and Mining Users  | Kenedy, DeWitt County Mining, and Karnes CountyMining                                                                                                                                                                                                                                       |
|                                         | Local GW (Trinity)                                         | 2,060                          | \$1,202                                | Municipal Users             | Boerne, Garden Ridge, and Mountain City                                                                                                                                                                                                                                                     |
|                                         |                                                            |                                |                                        |                             | Castroville, East Medina Co WSC, La Coste, Natalia, and Yancey WSC                                                                                                                                                                                                                          |
|                                         | Local GW (Leona Gravel)                                    | 895                            | \$3,608                                | Municipal Users             |                                                                                                                                                                                                                                                                                             |
|                                         | Local Carrizo Conversion (Irrigation)                      | N/A                            | \$0                                    | Municipal Users             | Benton City, Polonia WSC, Pearsall, and SS WSC                                                                                                                                                                                                                                              |
|                                         | Local Carrizo Conversion (Mining)                          | N/A                            | \$0                                    | Municipal Users             | Cotulla and La Salle Co Other (YR 2050 Needs)                                                                                                                                                                                                                                               |
|                                         | Local Yegua-Jackson Conversion (Mining)                    | N/A                            | \$0                                    | Karnes City                 | 336 acft/yr in YR 2020                                                                                                                                                                                                                                                                      |
|                                         | Purchase from CRWA                                         | N/A                            | Varies                                 | Municipal Users             | Moves water from CRWA to WUGs                                                                                                                                                                                                                                                               |
|                                         | Purchase from CVLGC                                        | N/A                            | Varies                                 | Municipal Users             | Moves water from CVLGC to WUGs                                                                                                                                                                                                                                                              |
|                                         | Purchase from GBRA                                         | N/A                            | Varies                                 | Mun/Ind/SE Users            | Moves water from GBRA to WUGs                                                                                                                                                                                                                                                               |
|                                         | Purchase from HCPUA                                        | N/A                            | Varies                                 | Mun Users + WWP             | Moves water from HCPUA to WUGs & CRWA                                                                                                                                                                                                                                                       |
|                                         | Purchase from SAWS                                         | N/A                            | Varies                                 | Mun/Ind Users               | Moves water from SAWS to WUGs                                                                                                                                                                                                                                                               |
|                                         | Purchase from SSLGC                                        | N/A                            | Varies                                 | Municipal Users             | Moves water from SSLGC to WUGs                                                                                                                                                                                                                                                              |
|                                         | Purchase from TWA                                          | N/A                            | Varies                                 | Municipal Users             | Moves water from TWA to WUGs                                                                                                                                                                                                                                                                |
|                                         | Direct Reuse/Recycle                                       | 27,270                         | \$502                                  | CCMA                        | Recycle 90% of WWTP Influent                                                                                                                                                                                                                                                                |
|                                         | Direct Reuse/Recycle                                       | 4,368                          | \$710                                  | Kyle                        | Zero discharge by 2070                                                                                                                                                                                                                                                                      |
|                                         | Direct Reuse/Recycle                                       | 8,341                          | \$869                                  | San Marcos                  | Zero discharge by 2070                                                                                                                                                                                                                                                                      |
|                                         | Direct Reuse/Recycle                                       | 6,075                          | \$1,500                                | San Antonio River Authority |                                                                                                                                                                                                                                                                                             |
|                                         | Surface WRs                                                | N/A                            | N/A                                    | Municipal Users             |                                                                                                                                                                                                                                                                                             |
|                                         | Balancing Storage                                          | N/A                            | N/A                                    | Municipal Users             |                                                                                                                                                                                                                                                                                             |
| Alternative Water Management Strategies | CRWA Wells Ranch - Phase 2 - Envisioned                    | 10,629                         | \$835                                  | CRWA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Brackish Wilcox Groundwater for CRWA - Envisioned          | 14,700                         | \$2,197                                | CRWA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Edwards Transfers, Carrizo Conversions, or Trinity Aquifer | N/A                            | N/A                                    | CRWA                        | As needed                                                                                                                                                                                                                                                                                   |
|                                         | CVLGC Carrizo Project - Envisioned                         | 10,000                         | \$1,834                                | CVLGC                       |                                                                                                                                                                                                                                                                                             |
|                                         | Luling ASR                                                 | 4,277                          | \$1,086                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | MBWSP - Carrizo Groundwater (Option 0)                     | 15,000                         | \$1,665                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | MBWSP - Surface Water w/ Off-Channel Reservoir (Option 2A) | 25,000                         | \$2,561                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | MBWSP - Conjunctive Use w/ ASR (Option 3A)                 | 42,000                         | \$1,836                                | GBRA                        |                                                                                                                                                                                                                                                                                             |
|                                         | Hays Forestar Project - Envisioned                         | 45,000                         | \$1,331                                | Hays County                 |                                                                                                                                                                                                                                                                                             |
|                                         | Hays/Caldwell PUA Project - Envisioned                     | 35,690                         | \$1,664                                | HCPUA                       |                                                                                                                                                                                                                                                                                             |
|                                         | Lavaca Off-Channel Reservoir                               | 16,963                         | \$867                                  | LNRA                        | 6,963 acft/yr for Region N                                                                                                                                                                                                                                                                  |
|                                         | HCPUA/TWA/GBRA Shared Facilities Project                   | 86,513                         | \$1,736                                | Multiple                    |                                                                                                                                                                                                                                                                                             |
|                                         | HCPUA/TWA Joint Project                                    | 40,690                         | \$1,885                                | Multiple                    |                                                                                                                                                                                                                                                                                             |
|                                         | Brackish Wilcox Groundwater for SAWS - Envisioned          | 33,600                         | \$988                                  | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Expanded Local Carrizo - Envisioned                   | 30,000                         | \$553                                  | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | Vista Ridge Project - Envisioned                           | 50,000                         | \$1,976                                | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | SAWS Expanded Brackish Project - Envisioned                | 50,000                         | \$2,041                                | SAWS                        |                                                                                                                                                                                                                                                                                             |
|                                         | Brackish Wilcox for SS WSC - Envisioned                    | 1,120                          | \$2,554                                | SS WSC                      |                                                                                                                                                                                                                                                                                             |
|                                         | SSLGC Brackish Wilcox (Gonz Co) - Envisioned               | 5,000                          | \$2,124                                | SSLGC                       |                                                                                                                                                                                                                                                                                             |
|                                         | TWA Carrizo Project - Envisioned                           | 15,000                         | \$2,440                                | TWA                         |                                                                                                                                                                                                                                                                                             |
| Other                                   | Uvalde ASR - Envisioned                                    | 4,000                          | \$1,629                                | Uvalde                      |                                                                                                                                                                                                                                                                                             |
|                                         | Purchase from LNRA                                         | 10,000                         | \$867                                  | Calhoun Co Ind (Formosa)    | New Supply Developed by the Lavaca Off-Channel WMS                                                                                                                                                                                                                                          |
|                                         | Storage Above Canyon (ASR)                                 | 504                            | \$11,875                               | TBD                         |                                                                                                                                                                                                                                                                                             |
|                                         | Brush Management in Gonzales Co - 10% Participation        | 1,370                          | \$1,209                                | TBD                         |                                                                                                                                                                                                                                                                                             |
|                                         | Brush Management in Gonzales Co - 30% Participation        | 4,631                          | \$937                                  | TBD                         |                                                                                                                                                                                                                                                                                             |
|                                         | Brush Management in Gonzales Co - 50% Participation        | 6,925                          | \$1,015                                | TBD                         |                                                                                                                                                                                                                                                                                             |



## Appendix F

### Socio-Economic Impacts

Socio-Economic Impacts will be added once available from TWDB.

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# Appendix G

## Endangered, Threatened, or Species of Concern

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**Table G-1. Endangered, Threatened, or Species of Concern – Atascosa County**

| Common Name           | Scientific Name                           | Summary of Habitat Preference                                                       | Listing Entity |      | Potential Occurrence in County |
|-----------------------|-------------------------------------------|-------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                       |                                           |                                                                                     | USFWS          | TPWD |                                |
| BIRDS                 |                                           |                                                                                     |                |      |                                |
| Interior least tern   | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                 | LE             | E    | Resident                       |
| Peregrine Falcon      | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                 | DL             | T    | Potential Migrant              |
|                       | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                       | DL             |      | Potential Migrant              |
| Sprague's Pipit       | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                          | C              |      | Potential Migrant              |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                             |                |      | Resident                       |
| Whooping Crane        | <i>Grus americana</i>                     | Potential migrant                                                                   | LE             | E    | Potential Migrant              |
| Wood Stork            | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX |                | T    | Potential Migrant              |
| CRUSTACEANS           |                                           |                                                                                     |                |      |                                |
| Nueces crayfish       | <i>Procambarus nueces</i>                 | Known only from one tributary to the Nueces River.                                  |                |      | Resident                       |
| MAMMALS               |                                           |                                                                                     |                |      |                                |
| Black bear            | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                       | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat       | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                           |                |      | Resident                       |
| Ocelot                | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets, and oak mottes.                                  | LE             | E    | Resident                       |
| Plains spotted skunk  | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                       |                |      | Resident                       |
| Red wolf              | <i>Canis rufus</i>                        | Extirpated.                                                                         | LE             | E    | Historic Resident              |
| MOLLUSKS              |                                           |                                                                                     |                |      |                                |
| Golden orb            | <i>Quadrula aurea</i>                     | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                    | C              | T    | Resident                       |
| PLANTS                |                                           |                                                                                     |                |      |                                |
| Elmendorf's onion     | <i>Allium elmendorffii</i>                | Endemic, in deep sands                                                              |                |      | Resident                       |
| Green beebalm         | <i>Monarda viridissima</i>                | Endemic perennial herb of the Carrizo Sands.                                        |                |      | Resident                       |
| Park's jointweed      | <i>Polygonella parksii</i>                | Endemic; deep loose sands of Carrizo and similar Eocene formations.                 |                |      | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                               | Scientific Name                       | Summary of Habitat Preference                                                                     | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                                                   | USFWS          | TPWD |                                |
| Sandhill woollywhite                                                                                                                                                                                                                                                                                                                                                                                      | <i>Hymenopappus carrizoanus</i>       | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                                                                   |                |      |                                |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                                                                |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                        | <i>Thamnophis sirtalis annectens</i>  | Wet or moist microhabitats                                                                        |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                       | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                                                               |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                        | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.                                       |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                            | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                                                   |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Atascosa County (Updated 8/7/2012), |                                       |                                                                                                   |                |      |                                |





**Table G-2. Endangered, Threatened, or Species of Concern – Bexar County**

| Common Name                           | Scientific Name                           | Summary of Habitat Preference                                                           | Listing Entity |      | Potential Occurrence in County |
|---------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                       |                                           |                                                                                         | USFWS          | TPWD |                                |
| AMPHIBIANS                            |                                           |                                                                                         |                |      |                                |
| Cascade Caverns salamander            | <i>Eurycea latitans complex</i>           | Endemic, subaquatic in Edwards Aquifer Area                                             |                | T    | Resident                       |
| Comal blind salamander                | <i>Eurycea tridentifera</i>               | Endemic; springs and waters of caves in Bexar County.                                   |                | T    | Resident                       |
| Texas salamander                      | <i>Eurycea neotenes</i>                   | Endemic; springs, seeps, cave streams, Helotes and Leon Creek drainages in Bexar County |                |      | Resident                       |
| ARACHNIDS                             |                                           |                                                                                         |                |      |                                |
| Braken Bat Cave meshweaver            | <i>Cicurina venii</i>                     | Karst features in western Bexar County                                                  | LE             |      | Resident                       |
| Cokendolpher cave harvestman          | <i>Texella cokendolpheri</i>              | Karst features in north-central Bexar County                                            | LE             |      | Resident                       |
| Government Canyon Bat Cave meshweaver | <i>Cicurina vespera</i>                   | Karst features in northwestern Bexar County                                             | LE             |      | Resident                       |
| Government Canyon Bat Cave spider     | <i>Neoleptoneta microps</i>               | Karst features in northwestern Bexar County                                             | LE             |      | Resident                       |
| Madla Cave meshweaver                 | <i>Cicurina madla</i>                     | Karst features in northern Bexar County                                                 | LE             |      | Resident                       |
| Robber Baron Cave meshweaver          | <i>Cicurina baronia</i>                   | Karst features in north-central Bexar County                                            | LE             |      | Resident                       |
| BIRDS                                 |                                           |                                                                                         |                |      |                                |
| Black-capped Vireo                    | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                  | LE             | E    | Resident                       |
| Golden-cheeked Warbler                | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                                  | LE             | E    | Resident                       |
| Interior least tern                   | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                     | LE             | E    | Resident                       |
| Mountain Plover                       | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                              |                |      | Possible Migrant               |
| Peregrine Falcon                      | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                     | DL             | T    | Possible Migrant               |
|                                       | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                           | DL             |      | Possible Migrant               |
| Sprague's Pipit                       | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                              | C              |      | Potential Migrant              |
| Western Burrowing Owl                 | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                 |                |      | Resident                       |
| White-faced Ibis                      | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                             |                | T    | Possible Migrant               |
| Whooping Crane                        | <i>Grus americana</i>                     | Potential migrant                                                                       | LE             | E    | Possible Migrant               |

| Common Name                | Scientific Name                      | Summary of Habitat Preference                                                       | Listing Entity |      | Potential Occurrence in County |
|----------------------------|--------------------------------------|-------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                            |                                      |                                                                                     | USFWS          | TPWD |                                |
| Wood Stork                 | <i>Mycteria americana</i>            | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX |                | T    | Possible Migrant               |
| Zone-tailed Hawk           | <i>Buteo albonotatus</i>             | Arid open country, often near watercourses                                          |                | T    | Resident                       |
| <b>CRUSTACEANS</b>         |                                      |                                                                                     |                |      |                                |
| A cave obligate crustacean | <i>Monodella texana</i>              | Subaquatic, underground freshwater aquifers                                         |                |      | Resident                       |
| <b>FISHES</b>              |                                      |                                                                                     |                |      |                                |
| Guadalupe bass             | <i>Micropterus treculi</i>           | Endemic to perennial streams of the Edwards Plateau region.                         |                |      | Resident                       |
| Toothless blindcat         | <i>Trogloglanis pattersoni</i>       | Troglobitic, blind catfish endemic to the San Antonio Pool of the Edwards Aquifer   |                | T    | Resident                       |
| Widemouth blindcat         | <i>Satan eurystomus</i>              | Troglobitic, blind catfish endemic to the San Antonio Pool of the Edwards Aquifer.  |                | T    | Resident                       |
| <b>INSECTS</b>             |                                      |                                                                                     |                |      |                                |
| A ground beetle            | <i>Rhadine exilis</i>                | Karst features in northern Bexar County                                             | LE             |      | Resident                       |
| A ground beetle            | <i>Rhadine infernalis</i>            | Karst features in northern and western Bexar County                                 | LE             |      | Resident                       |
| Helotes mold beetle        | <i>Batrisodes venyivi</i>            | Karst features in northwestern Bexar County                                         | LE             |      | Resident                       |
| Manfreda giant-skipper     | <i>Stallingsia maculosus</i>         | Skipper larvae usually feed inside a leaf shelter.                                  |                |      | Resident                       |
| Rawson's metalmark         | <i>Calephelis rawsoni</i>            | Moist areas in shaded limestone outcrops                                            |                |      | Resident                       |
| <b>MAMMALS</b>             |                                      |                                                                                     |                |      |                                |
| Black bear                 | <i>Ursus americanus</i>              | Inhabits bottomland hardwoods                                                       | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat            | <i>Myotis velifer</i>                | Roosts colonially in caves, rock crevices                                           |                |      | Resident                       |
| Ghost-faced bat            | <i>Mormoops megalophylla</i>         | Roosts in caves, crevices and buildings                                             |                |      | Resident                       |
| Gray wolf                  | <i>Canis lupus</i>                   | Extirpated, forests, brushlands or grasslands                                       | LE             | E    | Historic Resident              |
| Plains spotted skunk       | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas.                                                       |                |      | Resident                       |
| Red wolf                   | <i>Canis rufus</i>                   | Extirpated.                                                                         | LE             | E    | Historic Resident              |
| <b>MOLLUSKS</b>            |                                      |                                                                                     |                |      |                                |
| Creeper (squawfoot)        | <i>Strophitus undulates</i>          | Small to large streams                                                              |                |      | Resident                       |



| Common Name                 | Scientific Name                       | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|-----------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                             |                                       |                                                                                                                  | USFWS          | TPWD |                                |
| False spike mussel          | <i>Quincuncina mitchelli</i>          | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                  | <i>Quadrula aurea</i>                 | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Mimic Cavesnail             | <i>Phreatodrobia imitata</i>          | Subaquatic; only known from two wells penetrating the Edwards Aquifer                                            |                |      | Resident                       |
| Texas fatmucket             | <i>Lampsilis bracteata</i>            | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                 | C              | T    | Resident                       |
| Texas pimpleback            | <i>Quadrula petrina</i>               | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>               |                                       |                                                                                                                  |                |      |                                |
| Big red sage                | <i>Salvia penstemonoides</i>          | Endemic; moist to seasonally wet clay or silt soils in creek beds.                                               |                |      | Resident                       |
| Bracted twistflower         | <i>Streptanthus bracteatus</i>        | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone.                            | C              |      | Resident                       |
| Correll's false dragon-head | <i>Physostegia correllii</i>          | Found in wet, silty clay loams on sides of streams and other wet areas.                                          |                |      | Resident                       |
| Elmendorf's onion           | <i>Allium elmendorffii</i>            | Endemic, in deep sands                                                                                           |                |      | Resident                       |
| Hill Country wild-mercury   | <i>Argythamnia aphoroides</i>         | Endemic: found in grasslands associated with oak woodlands.                                                      |                |      | Resident                       |
| Park's jointweed            | <i>Polygonella parksii</i>            | Endemic; deep loose sands of Carrizo and similar Eocene formations.                                              |                |      | Resident                       |
| Sandhill woollywhite        | <i>Hymenopappus carrizoanus</i>       | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors.                |                |      | Resident                       |
| <b>REPTILES</b>             |                                       |                                                                                                                  |                |      |                                |
| Spot-tailed earless lizard  | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                                                                               |                |      | Resident                       |
| Texas garter snake          | <i>Thamnophis sirtalis annectens</i>  | Wet or moist microhabitats                                                                                       |                |      | Resident                       |
| Texas horned lizard         | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas indigo snake          | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.                                                      |                | T    | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                 | Scientific Name             | Summary of Habitat Preference                                  | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |                                                                | USFWS          | TPWD |                                |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Gopherus berlandieri</i> | Open brush w/ grass understory.                                |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Crotalus horridus</i>    | Floodplains, upland pine, deciduous woodlands, riparian zones. |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Bexar County (Updated 12/15/2014),</p> |                             |                                                                |                |      |                                |

**Table G-3. Endangered, Threatened, or Species of Concern – Caldwell County**

| Common Name           | Scientific Name                           | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|-----------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                       |                                           |                                                                                                                  | USFWS          | TPWD |                                |
| BIRDS                 |                                           |                                                                                                                  |                |      |                                |
| Bald eagle            | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                                     | DL             | T    | Possible Migrant               |
| Henslow's Sparrow     | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                                          |                |      | Resident                       |
| Mountain Plover       | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                       |                |      | Possible Migrant               |
| Peregrine Falcon      | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                              | DL             | T    | Possible Migrant               |
|                       | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                    | DL             |      | Possible Migrant               |
| Sprague's Pipit       | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                       | C              |      | Possible Migrant               |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                          |                |      | Resident                       |
| Whooping Crane        | <i>Grus americana</i>                     | Potential migrant                                                                                                | LE             | E    | Possible Migrant               |
| Wood Stork            | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                              |                | T    | Possible Migrant               |
| FISHES                |                                           |                                                                                                                  |                |      |                                |
| Blue sucker           | <i>Cycleptus elongates</i>                | Major rivers in Texas.                                                                                           |                | T    | Resident                       |
| Guadalupe bass        | <i>Micropterus treculi</i>                | Endemic to perennial streams of the Edwards Plateau region.                                                      |                |      | Resident                       |
| Guadalupe darter      | <i>Percina sciera apristis</i>            | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers.       |                |      | Resident                       |
| MAMMALS               |                                           |                                                                                                                  |                |      |                                |
| Cave myotis bat       | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                                        |                |      | Resident                       |
| Plains spotted skunk  | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf              | <i>Canis rufus</i>                        | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| MOLLUSKS              |                                           |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)   | <i>Strophitus undulates</i>               | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel    | <i>Quincuncina mitchelli</i>              | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                   | Scientific Name                      | Summary of Habitat Preference                                                                     | Listing Entity |      | Potential Occurrence in County |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                   | USFWS          | TPWD |                                |
| Golden orb                                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Quadrula aurea</i>                | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                  | C              | T    | Resident                       |
| Texas fatmucket                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Lampsilis bracteata</i>           | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                  | C              | T    | Resident                       |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Quadrula petrina</i>              | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                              | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |                                                                                                   |                |      |                                |
| Green beebalm                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Monarda viridissima</i>           | Endemic perennial herb of the Carrizo Sands.                                                      |                |      | Resident                       |
| Sandhill woollywhite                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Hymenopappus carrizoanus</i>      | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. |                |      | Resident                       |
| Shinner's sunflower                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Helianthus occidentalis</i> ssp.  | Found on prairies on the Coastal Plain.                                                           |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |                                                                                                   |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Graptemys caglei</i>              | Endemic species found in the Guadalupe River system.                                              |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Holbrookia lacerata</i>           | Moderately open prairie-brushland.                                                                |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats                                                                        |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Phrynosoma cornutum</i>           | Varied, sparsely vegetated uplands.                                                               |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Crotalus horridus</i>             | Floodplains, upland pine, deciduous woodlands, riparian zones.                                    |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Caldwell County (Updated 4/28/2014),</p> |                                      |                                                                                                   |                |      |                                |



**Table G-4. Endangered, Threatened, or Species of Concern – Calhoun County**

| Common Name               | Scientific Name                             | Summary of Habitat Preference                                                                         | Listing Entity |      | Potential Occurrence in County |
|---------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                           |                                             |                                                                                                       | USFWS          | TPWD |                                |
| AMPHIBIANS                |                                             |                                                                                                       |                |      |                                |
| Black-spotted newt        | <i>Notophthalmus meridionalis</i>           | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. |                | T    | Resident                       |
| Sheep frog                | <i>Hypopachus variolosus</i>                | Found in grassland and savanna; moist sites in arid areas.                                            |                | T    | Resident                       |
| Southern crawfish frog    | <i>Lithobates areolatus areolatus</i>       | Found in abandoned crawfish holes and small mammal burrows.                                           |                |      | Resident                       |
| BIRDS                     |                                             |                                                                                                       |                |      |                                |
| Bald eagle                | <i>Haliaeetus leucocephalus</i>             | Found primarily near rivers and large lakes.                                                          | DL             | T    | Possible Migrant               |
| Brown pelican             | <i>Pelecanus occidentalis</i>               | <i>Largely coastal and near shore areas.</i>                                                          | DL             |      | Resident                       |
| Eskimo curlew             | <i>Numenius borealis</i>                    | Historic, nonbreeding.                                                                                | LE             | E    | Historic Resident              |
| Henslow's Sparrow         | <i>Ammodramus henslowii</i>                 | Found in weedy fields or cut-over areas                                                               |                |      | Resident                       |
| Mountain Plover           | <i>Charadrius montanus</i>                  | Non-breeding, shortgrass plains and fields                                                            |                |      | Possible Migrant               |
| Northern Aplomado Falcon  | <i>Falco femoralis septentrionalis</i>      | Found in open country, especially savanna and open woodland.                                          | LE             | E    | Resident                       |
| Peregrine Falcon          | <i>Falco peregrinus anatum</i> (American)   | Resident and local breeder in West Texas. Migrant across the state.                                   | DL             | T    | Possible Migrant               |
|                           | <i>Falco peregrinus tundrius</i> (Arctic)   | Migrant throughout the state.                                                                         | DL             |      | Possible Migrant               |
| Piping plover             | <i>Charadrius melodus</i>                   | Wintering migrant along the Texas Gulf Coast.                                                         | LT             | T    | Possible Migrant               |
| Reddish Egret             | <i>Egretta rufescens</i>                    | Resident of Texas Gulf coast.                                                                         |                | T    | Resident                       |
| Snowy Plover              | <i>Charadrius alexandrines</i>              | Potential migrant, winters along coast                                                                |                |      | Possible Migrant               |
| Sooty Tern                | <i>Sterna fuscata</i>                       | Usually flies or hovers over water.                                                                   |                | T    | Resident                       |
| Southeastern Snowy Plover | <i>Charadrius alexandrines tenuirostris</i> | Wintering migrant along the Texas Gulf Coast.                                                         |                |      | Possible Migrant               |
| Sprague's Pipit           | <i>Anthus spragueii</i>                     | Only in Texas during migration and winter.                                                            | C              |      | Possible Migrant               |
| Western Burrowing Owl     | <i>Athene cunicularia hypugaea</i>          | Open grasslands, especially prairie, plains and savanna                                               |                |      | Resident                       |
| Western Snowy Plover      | <i>Charadrius alexandrines nivosus</i>      | Uncommon breeder in the Panhandle, potential migrant.                                                 |                |      | Possible Migrant               |

| Common Name                   | Scientific Name                      | Summary of Habitat Preference                                                       | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                      |                                                                                     | USFWS          | TPWD |                                |
| White-faced Ibis              | <i>Plegadis chihi</i>                | Prefers freshwater marshes.                                                         |                | T    | Resident                       |
| White-tailed Hawk             | <i>Buteo albicaudatus</i>            | Found near the coast on prairies.                                                   |                | T    | Resident                       |
| Whooping Crane                | <i>Grus americana</i>                | Potential migrant                                                                   | LE             | E    | Possible Migrant               |
| Wood Stork                    | <i>Mycteria americana</i>            | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX |                | T    | Possible Migrant               |
| <b>FISHES</b>                 |                                      |                                                                                     |                |      |                                |
| American eel                  | <i>Anguilla rostrata</i>             | Coastal waterways below reservoirs to gulf.                                         |                |      | Resident                       |
| Opossum pipefish              | <i>Microphis brachyurus</i>          | Adults found in fresh or low salinity waters.                                       |                | T    | Resident                       |
| Smalltooth sawfish            | <i>Pristis pectinata</i>             | Found in bays, estuaries or river mouths.                                           | LE             | E    | Resident                       |
| <b>MAMMALS</b>                |                                      |                                                                                     |                |      |                                |
| Black bear                    | <i>Ursus americanus</i>              | Inhabits bottomland hardwoods                                                       | T/SA;NL        | T    | Historic Resident              |
| Jaguarundi                    | <i>Herpailurus yaguarondi</i>        | Found in thick brushlands near water.                                               | LE             | E    | Resident                       |
| Louisiana black bear          | <i>Ursus americanus luteolus</i>     | Possible transient.                                                                 | LT             | T    | Transient                      |
| Ocelot                        | <i>Leopardus pardalis</i>            | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.         | LE             | E    | Resident                       |
| Plains spotted skunk          | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas.                                                       |                |      | Resident                       |
| Red wolf                      | <i>Canis rufus</i>                   | Extirpated.                                                                         | LE             | E    | Historic Resident              |
| West Indian manatee           | <i>Trichechus manatus</i>            | Gulf and bay systems.                                                               | LE             | E    | Resident                       |
| <b>MOLLUSKS</b>               |                                      |                                                                                     |                |      |                                |
| Creeper (squawfoot)           | <i>Strophitus undulatus</i>          | Small to large streams                                                              |                |      | Resident                       |
| <b>PLANTS</b>                 |                                      |                                                                                     |                |      |                                |
| Threeflower broomweed         | <i>Thurovia triflora</i>             | Endemic: near coast.                                                                |                |      | Resident                       |
| <b>REPTILES</b>               |                                      |                                                                                     |                |      |                                |
| Atlantic hawksbill sea turtle | <i>Eretmochelys imbricate</i>        | Found in Gulf and bay systems.                                                      | LE             | E    | Resident                       |
| Green sea turtle              | <i>Chelonia mydas</i>                | Gulf and bay systems.                                                               | LT             | T    | Resident                       |
| Gulf Saltmarsh snake          | <i>Nerodia clarkii</i>               | Found on saline flats.                                                              |                |      | Resident                       |
| Kemp's Ridley sea turtle      | <i>Lepidochelys kempii</i>           | Found in gulf and bay systems.                                                      | LE             | E    | Resident                       |
| Leatherback sea turtle        | <i>Dermochelys coriacea</i>          | Gulf and bay systems.                                                               | LE             | E    | Resident                       |





| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                   | Scientific Name                       | Summary of Habitat Preference                                  | Listing Entity |      | Potential Occurrence in County |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                                                                | USFWS          | TPWD |                                |
| Loggerhead sea turtle                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Caretta caretta</i>                | Gulf and bay systems for juveniles, ocean for adults.          | LT             | T    | Resident                       |
| Texas diamondback terrapin                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Malaclemys terrapin littoralis</i> | Found in coastal marshes and tidal flats.                      |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                            |                | T    | Resident                       |
| Texas scarlet snake                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Cemophora coccinea lineri</i>      | Mixed hardwood scrub on sandy soils.                           |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Crotalus horridus</i>              | Floodplains, upland pine, deciduous woodlands, riparian zones. |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Calhoun County (Updated 12/11/2014).</p> |                                       |                                                                |                |      |                                |

**Table G-5. Endangered, Threatened, or Species of Concern – Comal County**

| Common Name                       | Scientific Name                           | Summary of Habitat Preference                                              | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------|-------------------------------------------|----------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                   |                                           |                                                                            | USFWS          | TPWD |                                |
| AMPHIBIANS                        |                                           |                                                                            |                |      |                                |
| Cascade Caverns salamander        | <i>Eurycea latitans complex</i>           | Endemic, subaquatic in Edwards Aquifer Area                                |                | T    | Resident                       |
| Comal Blind Salamander            | <i>Eurycea tridentifera</i>               | Endemic; springs and waters of caves in Bexar County.                      |                | T    | Resident                       |
| Comal Springs salamander          | <i>Eurycea sp. 8</i>                      | Endemic, found in Comal Springs.                                           |                |      | Resident                       |
| Edwards Plateau spring salamander | <i>Eurycea sp. 7</i>                      | Endemic: found in springs and waters of some caves in the Edwards Plateau. |                |      | Resident                       |
| BIRDS                             |                                           |                                                                            |                |      |                                |
| Bald eagle                        | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                               | DL             | T    | Possible Migrant               |
| Black-capped Vireo                | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                     | LE             | E    | Resident                       |
| Golden-cheeked Warbler            | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                     | LE             | E    | Resident                       |
| Mountain Plover                   | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                 |                |      | Possible Migrant               |
| Peregrine Falcon                  | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.        | DL             | T    | Possible Migrant               |
|                                   | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                              | DL             |      | Possible Migrant               |
| Sprague's Pipit                   | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                 | C              |      | Possible Migrant               |
| Western Burrowing Owl             | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                    |                |      | Resident                       |
| Whooping Crane                    | <i>Grus americana</i>                     | Potential migrant                                                          | LE             | E    | Possible Migrant               |
| Zone-tailed Hawk                  | <i>Buteo albonotatus</i>                  | Found in arid open country, often near watercourses.                       |                | T    | Resident                       |
| CRUSTACEANS                       |                                           |                                                                            |                |      |                                |
| Ezell's cave amphipod             | <i>Stygobromus flagellates</i>            | Known only from artesian wells.                                            |                |      | Resident                       |
| Long-legged cave amphipod         | <i>Stygobromus longipes</i>               | Subaquatic crustacean found in streams.                                    |                |      | Resident                       |
| Peck's cave amphipod              | <i>Stygobromus pecki</i>                  | Aquatic crustacean collected at Comal Springs and Hueco Springs.           | LE             | E    | Resident                       |
| FISHES                            |                                           |                                                                            |                |      |                                |



| Common Name                   | Scientific Name                      | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                      |                                                                                                                  | USFWS          | TPWD |                                |
| Fountain darter               | <i>Etheostoma fonticola</i>          | Known only from the San Marcos and Comal Rivers.                                                                 | LE             | E    | Resident                       |
| Guadalupe bass                | <i>Micropterus treculi</i>           | Endemic to perennial streams of the Edwards Plateau region.                                                      |                |      | Resident                       |
| Guadalupe darter              | <i>Percina sciera apristis</i>       | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers.       |                |      | Resident                       |
| <b>INSECTS</b>                |                                      |                                                                                                                  |                |      |                                |
| A mayfly                      | <i>Pseudocentropiloides morihari</i> | Aquatic larval stage, adults generally found in shoreline vegetation.                                            |                |      | Resident                       |
| Comal Springs diving beetle   | <i>Comaldessus stygius</i>           | Known only from the outflow at Comal Springs.                                                                    |                |      | Resident                       |
| Comal Springs dryopid beetle  | <i>Stygoparnus comalensis</i>        | Adults usually found clinging to objects in streams, larvae live in soil or decaying wood.                       | LE             | E    | Resident                       |
| Comal Springs riffle beetle   | <i>Heterelmis comalensis</i>         | Found in Comal and San Marcos Springs.                                                                           | LE             | E    | Resident                       |
| Edwards Aquifer diving beetle | <i>Haideoporus texanus</i>           | Known from an artesian well in Hays County.                                                                      |                |      | Resident                       |
| Rawson's metalmark            | <i>Calephelis rawsoni</i>            | Moist areas in shaded limestone outcrops                                                                         |                |      | Resident                       |
| <b>MAMMALS</b>                |                                      |                                                                                                                  |                |      |                                |
| Black Bear                    | <i>Ursus americanus</i>              | Inhabits bottomland hardwoods                                                                                    | T/SA;NL        | T    | Historic Resident              |
| Cave Myotis Bat               | <i>Myotis velifer</i>                | Roosts colonially in caves, rock crevices                                                                        |                |      | Resident                       |
| Jaguarundi                    | <i>Herpailurus yaguarondi</i>        | Found in thick brushlands near water.                                                                            | LE             | E    | Resident                       |
| Plains spotted skunk          | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf                      | <i>Canis rufus</i>                   | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| <b>MOLLUSKS</b>               |                                      |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)           | <i>Strophitus undulates</i>          | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel            | <i>Quincuncina mitchelli</i>         | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                    | <i>Quadrula aurea</i>                | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Horseshoe liptooth snail      | <i>Daedalochila hippocrepis</i>      | Terrestrial snail only known from Landa Park in New Braunfels                                                    |                |      | Resident                       |
| Texas fatmucket               | <i>Lampsilis bracteata</i>           | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                 | C              | T    | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                             | Scientific Name                      | Summary of Habitat Preference                                                         | Listing Entity |      | Potential Occurrence in County |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                                                                       | USFWS          | TPWD |                                |
| PLANTS                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |                                                                                       |                |      |                                |
| Bracted twistflower                                                                                                                                                                                                                                                                                                                                                                                     | <i>Streptanthus bracteatus</i>       | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone. | C              |      | Resident                       |
| Comal snakewood                                                                                                                                                                                                                                                                                                                                                                                         | <i>Colubrina stricta</i>             | Found in El Paso County, historic in Comal County.                                    |                |      | Historic Resident              |
| Hill Country wild-mercury                                                                                                                                                                                                                                                                                                                                                                               | <i>Argythamnia aphoroides</i>        | Endemic; found primarily in grasslands associated with live oak woodlands.            |                |      |                                |
| Texas mock-orange                                                                                                                                                                                                                                                                                                                                                                                       | <i>Philadelphus texensis</i>         | Found on limestone outcrops on cliffs and rocky slopes.                               |                |      | Resident                       |
| REPTILES                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                                                                       |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                      | <i>Graptemys caglei</i>              | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.              |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                              | <i>Holbrookia lacerata</i>           | Moderately open prairie-brushland.                                                    |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                      | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats                                                            |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                     | <i>Phrynosoma cornutum</i>           | Varied, sparsely vegetated uplands.                                                   |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Comal County (Updated 10/2/2012). |                                      |                                                                                       |                |      |                                |

**Table G-6. Endangered, Threatened, or Species of Concern – De Witt County**

| Common Name                | Scientific Name                           | Summary of Habitat Preference                                                                              | Listing Entity |      | Potential Occurrence in County |
|----------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                            |                                           |                                                                                                            | USFWS          | TPWD |                                |
| BIRDS                      |                                           |                                                                                                            |                |      |                                |
| Bald eagle                 | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                               | DL             | T    | Possible Migrant               |
| Henslow's Sparrow          | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                                    |                |      | Resident                       |
| Interior least tern        | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                        | LE             | E    | Resident                       |
| Mountain Plover            | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                 |                |      | Possible Migrant               |
| Peregrine Falcon           | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                        | DL             | T    | Possible Migrant               |
|                            | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                              | DL             |      | Possible Migrant               |
| Sprague's Pipit            | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                 | C              |      | Possible Migrant               |
| Western Burrowing Owl      | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                    |                |      | Resident                       |
| White-faced Ibis           | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                                                |                | T    | Resident                       |
| White-tailed Hawk          | <i>Buteo albicaudatus</i>                 | Found near the coast on prairies.                                                                          |                | T    | Resident                       |
| Whooping Crane             | <i>Grus americana</i>                     | Potential migrant                                                                                          | LE             | E    | Possible Migrant               |
| Wood Stork                 | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                        |                | T    | Possible Migrant               |
| FISHES                     |                                           |                                                                                                            |                |      |                                |
| Guadalupe bass             | <i>Micropterus treculi</i>                | Endemic to perennial streams of the Edwards Plateau region.                                                |                |      | Resident                       |
| Guadalupe darter           | <i>Percina sciera apristis</i>            | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. |                |      | Resident                       |
| INSECTS                    |                                           |                                                                                                            |                |      |                                |
| Leonora's dancer damselfly | <i>Argia leonorae</i>                     | Found near small streams and seepages.                                                                     |                |      | Resident                       |
| MAMMALS                    |                                           |                                                                                                            |                |      |                                |
| Plains spotted skunk       | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                              |                |      | Resident                       |
| Red wolf                   | <i>Canis rufus</i>                        | Extirpated.                                                                                                | LE             | E    | Historic Resident              |
| MOLLUSKS                   |                                           |                                                                                                            |                |      |                                |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                  | Scientific Name                                            | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            |                                                                                                                  | USFWS          | TPWD |                                |
| Creeper (squawfoot)                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Strophitus undulates</i>                                | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Quincuncina mitchelli</i>                               | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Quadrula aurea</i>                                      | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Quadrula petrina</i>                                    | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                            |                                                                                                                  |                |      |                                |
| Shinner's sunflower                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Helianthus occidentalis</i><br><i>ssp. Plantagineus</i> | Found on prairies on the Coastal Plain                                                                           |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            |                                                                                                                  |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Graptemys caglei</i>                                    | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                                         |                | T    | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Phrynosoma cornutum</i>                                 | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Gopherus berlandieri</i>                                | Open brush w/ grass understory.                                                                                  |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Crotalus horridus</i>                                   | Floodplains, upland pine, deciduous woodlands, riparian zones.                                                   |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, De Witt County (Updated 4/28/2014).</p> |                                                            |                                                                                                                  |                |      |                                |

**Table G-7. Endangered, Threatened, or Species of Concern – Dimmit County**

| Common Name                   | Scientific Name                           | Summary of Habitat Preference                                                      | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|-------------------------------------------|------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                           |                                                                                    | USFWS          | TPWD |                                |
| BIRDS                         |                                           |                                                                                    |                |      |                                |
| Audubon's Oriole              | <i>Icterus graduacauda audubonii</i>      | Usually found along water courses in scrub and mesquite.                           |                |      | Resident                       |
| Baird's Sparrow               | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.         |                |      | Possible Migrant               |
| Interior least tern           | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                | LE             | E    | Resident                       |
| Mexican Hooded Oriole         | <i>Icterus cucullatus cucullatus</i>      | Found in scrub and mesquite, usually along water courses.                          |                |      | Resident                       |
| Mountain Plover               | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                         |                |      | Possible Migrant               |
| Peregrine Falcon              | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                | DL             | T    | Possible Migrant               |
|                               | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                      | DL             |      | Possible Migrant               |
| Sennett's Hooded Oriole       | <i>Icterus cucullatus sennetti</i>        | This species often builds nests of Spanish moss.                                   |                |      | Resident                       |
| Sprague's Pipit               | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                         | C              |      | Possible Migrant               |
| Western Burrowing Owl         | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                            |                |      | Resident                       |
| INSECTS                       |                                           |                                                                                    |                |      |                                |
| Neojuvenile tiger beetle      | <i>Cicindela obsoleta neojuvenilis</i>    | Bare or sparsely vegetated areas previously disturbed.                             |                |      | Resident                       |
| MAMMALS                       |                                           |                                                                                    |                |      |                                |
| Black Bear                    | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                      | T/SA;NL        | T    | Historic Resident              |
| Carrizo Springs pocket gopher | <i>Geomys personatus streckeri</i>        | Uses underground burrows in deep sandy soils.                                      |                |      | Resident                       |
| Cave Myotis Bat               | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                          |                |      | Resident                       |
| Gray wolf                     | <i>Canis lupus</i>                        | Extirpated, forests, brushlands or grasslands                                      | LE             | E    | Historic resident              |
| Jaguarundi                    | <i>Herpailurus yaguarondi</i>             | Found in thick brushlands near water.                                              | LE             | E    | Resident                       |
| Ocelot                        | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.        | LE             | E    | Resident                       |
| White-nosed coati             | <i>Nasua narica</i>                       | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. |                | T    | Resident                       |
| PLANTS                        |                                           |                                                                                    |                |      |                                |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                              | Scientific Name                                  | Summary of Habitat Preference                                                                                      | Listing Entity |      | Potential Occurrence in County |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                                                                                                                    | USFWS          | TPWD |                                |
| Dimmit sunflower                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Helianthus praecox ssp hirtus</i>             | Endemic; found in bluestem midgrasslands on loose soils.                                                           |                |      | Resident                       |
| Mexican mud-plantain                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Heteranthera Mexicana</i>                     | Found in wet clayey soils of resacas and ephemeral wetlands in South Texas and margins of playas in the Panhandle. |                |      | Resident                       |
| Shinner's sunflower                                                                                                                                                                                                                                                                                                                                                                                                      | <i>Helianthus occidentalis ssp. Plantagineus</i> | Found on prairies on the Coastal Plain                                                                             |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                                                                                                                    |                |      |                                |
| Reticulate collared lizard                                                                                                                                                                                                                                                                                                                                                                                               | <i>Crotaphytus reticulatus</i>                   | Requires open brush-grasslands; thorn-scrub vegetation.                                                            |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                               | <i>Holbrookia lacerata</i>                       | Moderately open prairie-brushland.                                                                                 |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                      | <i>Phrynosoma cornutum</i>                       | Varied, sparsely vegetated uplands.                                                                                |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                       | <i>Drymarchon melanurus erebennus</i>            | Found south of the Guadalupe river and Balcones Escarpment.                                                        |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Gopherus berlandieri</i>                      | Open brush w/ grass understory.                                                                                    |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Dimmit County (Updated with online data 4/7/2015). |                                                  |                                                                                                                    |                |      |                                |



**Table G-8. Endangered, Threatened, or Species of Concern – Frio County**

| Common Name                | Scientific Name                           | Summary of Habitat Preference                                                                     | Listing Entity |      | Potential Occurrence in County |
|----------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                            |                                           |                                                                                                   | USFWS          | TPWD |                                |
| BIRDS                      |                                           |                                                                                                   |                |      |                                |
| Baird's Sparrow            | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.                        |                |      | Possible Migrant               |
| Mountain Plover            | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                        |                |      | Possible Migrant               |
| Peregrine Falcon           | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                               | DL             | T    | Possible Migrant               |
|                            | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                     | DL             |      | Possible Migrant               |
| Sprague's Pipit            | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                        | C              |      | Possible Migrant               |
| Western Burrowing Owl      | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                           |                |      | Resident                       |
| MAMMALS                    |                                           |                                                                                                   |                |      |                                |
| Black bear                 | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                                     | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat            | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                         |                |      | Resident                       |
| Frio pocket gopher         | <i>Geomys texensis bakeri</i>             | Associated with nearly level Atco soils.                                                          |                |      | Resident                       |
| Gray wolf                  | <i>Canis lupus</i>                        | Extirpated, forests, brushlands or grasslands                                                     | LE             | E    | Historic resident              |
| Ocelot                     | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.                       | LE             | E    | Resident                       |
| Plains spotted skunk       | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                     |                |      | Resident                       |
| Red wolf                   | <i>Canis rufus</i>                        | Extirpated.                                                                                       | LE             | E    | Historic Resident              |
| PLANTS                     |                                           |                                                                                                   |                |      |                                |
| Elmendorf's onion          | <i>Allium elmendorfii</i>                 | Endemic, in deep sands                                                                            |                |      | Resident                       |
| Sandhill woollywhite       | <i>Hymenopappus carrizoanus</i>           | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. |                |      | Resident                       |
| REPTILES                   |                                           |                                                                                                   |                |      |                                |
| Indigo snake               | <i>Drymarchon carais</i>                  | Found south of the Guadalupe river and Balcones Escarpment.                                       |                | T    | Resident                       |
| Reticulate collared lizard | <i>Crotaphytus reticulates</i>            | Requires open brush-grasslands; thorn-scrub vegetation.                                           |                | T    | Resident                       |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i>                | Moderately open prairie-brushland.                                                                |                |      | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                            | Scientific Name                       | Summary of Habitat Preference                               | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                                                             | USFWS          | TPWD |                                |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                         |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. |                | T    | Resident                       |
| Texas Tortoise                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                             |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Frio County (Updated with online data 4/7/2015). |                                       |                                                             |                |      |                                |

**Table G-9. Endangered, Threatened, or Species of Concern – Goliad County**

| Common Name                        | Scientific Name                           | Summary of Habitat Preference                                                                         | Listing Entity |      | Potential Occurrence in County |
|------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                    |                                           |                                                                                                       | USFWS          | TPWD |                                |
| AMPHIBIANS                         |                                           |                                                                                                       |                |      |                                |
| Black-spotted newt                 | <i>Notophthalmus meridionalis</i>         | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. |                | T    | Resident                       |
| Sheep frog                         | <i>Hypopachus variolosus</i>              | Found in grassland and savanna; moist sites in arid areas.                                            |                | T    | Resident                       |
| BIRDS                              |                                           |                                                                                                       |                |      |                                |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i>       | Endemic, within historic range.                                                                       | LE             | E    | Historic Resident              |
| Bald eagle                         | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                          | DL             | T    | Possible Migrant               |
| Henslow's Sparrow                  | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                               |                |      | Resident                       |
| Interior least tern                | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                   | LE             | E    | Resident                       |
| Mountain Plover                    | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                            |                |      | Possible Migrant               |
| Peregrine Falcon                   | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                   | DL             | T    | Possible Migrant               |
|                                    | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                         | DL             |      | Possible Migrant               |
| Sprague's Pipit                    | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                            | C              |      | Possible Migrant               |
| Western Burrowing Owl              | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                               |                |      | Resident                       |
| White-faced Ibis                   | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                                           |                | T    | Resident                       |
| White-tailed Hawk                  | <i>Buteo albicaudatus</i>                 | Found near the coast on prairies.                                                                     |                | T    | Resident                       |
| Whooping Crane                     | <i>Grus americana</i>                     | Potential migrant                                                                                     | LE             | E    | Possible Migrant               |
| Wood Stork                         | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                   |                | T    | Possible Migrant               |
| FISHES                             |                                           |                                                                                                       |                |      |                                |
| American eel                       | <i>Anguilla rostrata</i>                  | Coastal waterways below reservoirs to gulf.                                                           |                |      | Resident                       |
| INSECTS                            |                                           |                                                                                                       |                |      |                                |
| Texas asaphomyian tabanid fly      | <i>Asaphomyia texensis</i>                | Globally historic species.                                                                            |                |      | Resident                       |
| MAMMALS                            |                                           |                                                                                                       |                |      |                                |

| Common Name                | Scientific Name                                         | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|----------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                            |                                                         |                                                                                                                  | USFWS          | TPWD |                                |
| Ocelot                     | <i>Leopardus pardalis</i>                               | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.                                      | LE             | E    | Resident                       |
| Plains spotted skunk       | <i>Spilogale putorius interrupta</i>                    | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf                   | <i>Canis rufus</i>                                      | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| White-nosed coati          | <i>Nasua narica</i>                                     | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico.                               |                | T    | Resident                       |
| <b>MOLLUSKS</b>            |                                                         |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)        | <i>Strophitus undulates</i>                             | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel         | <i>Quincuncina mitchelli</i>                            | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                 | <i>Quadrula aurea</i>                                   | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas pimpleback           | <i>Quadrula petrina</i>                                 | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>              |                                                         |                                                                                                                  |                |      |                                |
| Bristle nailwort           | <i>Paronychia setacea</i>                               | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils.                                   |                |      | Resident                       |
| Coastal gay-feather        | <i>Liatrix bracteata</i>                                | Endemic; found in coastal prairie grasslands.                                                                    |                |      | Resident                       |
| Refugio rain-lily          | <i>Zephyranthes refugiensis</i>                         | Occurs on deep heavy black clay soils or sandy loams.                                                            |                |      | Resident                       |
| Runyon's water-willow      | <i>Justicia runyonii</i>                                | Found in margins of and openings within subtropical woodlands or thorn shrublands.                               |                |      | Resident                       |
| Shinner's sunflower        | <i>Helianthus occidentalis</i> ssp. <i>Plantagineus</i> | Found on prairies on the Coastal Plain                                                                           |                |      | Resident                       |
| Welder machaeranthera      | <i>Psilactis heterocarpa</i>                            | Endemic; found in grasslands.                                                                                    |                |      | Resident                       |
| <b>REPTILES</b>            |                                                         |                                                                                                                  |                |      |                                |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i>                              | Moderately open prairie-brushland.                                                                               |                |      | Resident                       |
| Texas horned lizard        | <i>Phrynosoma cornutum</i>                              | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas indigo snake         | <i>Drymarchon melanurus erebennus</i>                   | Found south of the Guadalupe river and Balcones Escarpment.                                                      |                | T    | Resident                       |
| Texas tortoise             | <i>Gopherus berlandieri</i>                             | Open brush w/ grass understory.                                                                                  |                | T    | Resident                       |



| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                 | Scientific Name          | Summary of Habitat Preference                                  | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                                                | USFWS          | TPWD |                                |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Goliad County (Updated 4/28/2014).</p> |                          |                                                                |                |      |                                |

**Table G-10. Endangered, Threatened, or Species of Concern – Gonzales County**

| Common Name           | Scientific Name                           | Summary of Habitat Preference                                                                              | Listing Entity |      | Potential Occurrence in County |
|-----------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                       |                                           |                                                                                                            | USFWS          | TPWD |                                |
| BIRDS                 |                                           |                                                                                                            |                |      |                                |
| Bald eagle            | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                               | DL             | T    | Possible Migrant               |
| Black-capped Vireo    | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                                     | LE             | E    | Resident                       |
| Henslow's Sparrow     | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                                    |                |      | Resident                       |
| Interior least tern   | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                        | LE             | E    | Resident                       |
| Mountain Plover       | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                 |                |      | Possible Migrant               |
| Peregrine Falcon      | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                        | DL             | T    | Possible Migrant               |
|                       | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                              | DL             |      | Possible Migrant               |
| Sprague's Pipit       | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                 | C              |      | Possible Migrant               |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                    |                |      | Resident                       |
| Whooping Crane        | <i>Grus americana</i>                     | Potential migrant                                                                                          | LE             | E    | Possible Migrant               |
| Wood Stork            | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                        |                | T    | Possible Migrant               |
| FISHES                |                                           |                                                                                                            |                |      |                                |
| Blue sucker           | <i>Cycleptus elongates</i>                | Major rivers in Texas.                                                                                     |                | T    | Resident                       |
| Guadalupe bass        | <i>Micropterus treculi</i>                | Endemic to perennial streams of the Edwards Plateau region.                                                |                |      | Resident                       |
| Guadalupe darter      | <i>Percina sciera apristis</i>            | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. |                |      | Resident                       |
| MAMMALS               |                                           |                                                                                                            |                |      |                                |
| Cave myotis bat       | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                                  |                |      | Resident                       |
| Plains spotted skunk  | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                              |                |      | Resident                       |
| Red wolf              | <i>Canis rufus</i>                        | Extirpated.                                                                                                | LE             | E    | Historic Resident              |
| MOLLUSKS              |                                           |                                                                                                            |                |      |                                |
| Creeper (squawfoot)   | <i>Strophitus undulates</i>               | Small to large streams                                                                                     |                |      | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                   | Scientific Name                    | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                                                                                  | USFWS          | TPWD |                                |
| False spike mussel                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Quincuncina mitchelli</i>       | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Quadrula aurea</i>              | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Palmetto pill snail                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Euchemostrema leai cheatumi</i> | Known only from Palmetto State Park.                                                                             |                |      | Resident                       |
| Texas fatmucket                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Lampsilis bracteata</i>         | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                 | C              | T    | Resident                       |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Quadrula petrina</i>            | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |                                                                                                                  |                |      |                                |
| Bristle nailwort                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Paronychia setacea</i>          | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils.                                   |                |      | Resident                       |
| Buckley's spiderwort                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Tradescantia buckleyi</i>       | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils.                                   |                |      | Resident                       |
| Elmendorf's onion                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Allium elmendorffii</i>         | Endemic, in deep sands                                                                                           |                |      | Resident                       |
| Green beebalm                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Monarda viridissima</i>         | Endemic perennial herb of the Carrizo Sands.                                                                     |                |      | Resident                       |
| Sandhill woollywhite                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Hymenopappus carrizoanus</i>    | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors.                |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                                                                                  |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Graptemys caglei</i>            | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                                         |                | T    | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Phrynosoma cornutum</i>         | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Gopherus berlandieri</i>        | Open brush w/ grass understory.                                                                                  |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Crotalus horridus</i>           | Floodplains, upland pine, deciduous woodlands, riparian zones.                                                   |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Gonzales County (Updated 4/28/2014).</p> |                                    |                                                                                                                  |                |      |                                |

**Table G-11. Endangered, Threatened, or Species of Concern – Guadalupe County**

| Common Name           | Scientific Name                           | Summary of Habitat Preference                                                                              | Listing Entity |      | Potential Occurrence in County |
|-----------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                       |                                           |                                                                                                            | USFWS          | TPWD |                                |
| BIRDS                 |                                           |                                                                                                            |                |      |                                |
| Bald eagle            | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                               | DL             | T    | Possible Migrant               |
| Interior least tern   | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                        | LE             | E    | Resident                       |
| Mountain Plover       | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                 |                |      | Possible Migrant               |
| Peregrine Falcon      | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                        | DL             | T    | Possible Migrant               |
|                       | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                              | DL             |      | Possible Migrant               |
| Sprague's Pipit       | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                 | C              |      | Possible Migrant               |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                    |                |      | Resident                       |
| Whooping Crane        | <i>Grus americana</i>                     | Potential migrant                                                                                          | LE             | E    | Possible Migrant               |
| Wood Stork            | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                        |                | T    | Possible Migrant               |
| FISHES                |                                           |                                                                                                            |                |      |                                |
| Guadalupe bass        | <i>Micropterus treculi</i>                | Endemic to perennial streams of the Edwards Plateau region.                                                |                |      | Resident                       |
| Guadalupe darter      | <i>Percina sciera apristis</i>            | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. |                |      | Resident                       |
| INSECTS               |                                           |                                                                                                            |                |      |                                |
| A mayfly              | <i>Campsurus decoloratus</i>              | Found in Texas and Mexico. Possibly in clay substrates.                                                    |                |      | Resident                       |
| MAMMALS               |                                           |                                                                                                            |                |      |                                |
| Cave myotis bat       | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                                  |                |      | Resident                       |
| Plains spotted skunk  | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                              |                |      | Resident                       |
| Red wolf              | <i>Canis rufus</i>                        | Extirpated.                                                                                                | LE             | E    | Historic Resident              |
| MOLLUSKS              |                                           |                                                                                                            |                |      |                                |
| Creeper (squawfoot)   | <i>Strophitus undulates</i>               | Small to large streams                                                                                     |                |      | Resident                       |



| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                    | Scientific Name                      | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                                                                                                  | USFWS          | TPWD |                                |
| False spike mussel                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Quincuncina mitchelli</i>         | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Quadrula aurea</i>                | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas fatmucket                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Lampsilis bracteata</i>           | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                 | C              | T    | Resident                       |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Quadrula petrina</i>              | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |                                                                                                                  |                |      |                                |
| Big red sage                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Salvia penstemonoides</i>         | Endemic; moist to seasonally wet clay or silt soils in creek beds.                                               |                |      | Resident                       |
| Elmendorf's onion                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Allium elmendorfii</i>            | Endemic, in deep sands                                                                                           |                |      | Resident                       |
| Green beebalm                                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Monarda viridissima</i>           | Endemic perennial herb of the Carrizo Sands.                                                                     |                |      | Resident                       |
| Park's jointweed                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Polygonella parksii</i>           | Endemic; deep loose sands of Carrizo and similar Eocene formations.                                              |                |      | Resident                       |
| Sandhill woollywhite                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Hymenopappus carrizoanus</i>      | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors.                |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                                                                                                                  |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Graptemys caglei</i>              | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                                         |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Holbrookia lacerata</i>           | Moderately open prairie-brushland.                                                                               |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats                                                                                       |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Phrynosoma cornutum</i>           | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Gopherus berlandieri</i>          | Open brush w/ grass understory.                                                                                  |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Crotalus horridus</i>             | Floodplains, upland pine, deciduous woodlands, riparian zones.                                                   |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Guadalupe County (Updated 4/29/2014).</p> |                                      |                                                                                                                  |                |      |                                |

**Table G-12. Endangered, Threatened, or Species of Concern – Hays County**

| Common Name                     | Scientific Name                           | Summary of Habitat Preference                                                                                              | Listing Entity |      | Potential Occurrence in County |
|---------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                 |                                           |                                                                                                                            | USFWS          | TPWD |                                |
| AMPHIBIANS                      |                                           |                                                                                                                            |                |      |                                |
| Barton Springs salamander       | <i>Eurycea sosorum</i>                    | Dependent upon water flow/quality from the Barton Springs pool of the Edwards Aquifer.                                     | LE             | E    | Potential Resident             |
| Blanco blind salamander         | <i>Eurycea robusta</i>                    | Species found in water-filled caverns of the Balcones Aquifer.                                                             |                | T    | Resident                       |
| Blanco River springs salamander | <i>Eurycea pterophila</i>                 | Found in springs and caves in the Blanco River drainage.                                                                   |                |      | Resident                       |
| San Marcos salamander           | <i>Eurycea nana</i>                       | Found in the headwaters of the San Marcos River and downstream for approx. ½ mile past IH-35.                              | LT             | T    | Resident                       |
| Texas blind salamander          | <i>Eurycea rathbuni</i>                   | Documented from water-filled subterranean caverns along a six mile stretch of the San Marcos Spring fault near San Marcos. | LE             | E    | Resident                       |
| ARACHNIDS                       |                                           |                                                                                                                            |                |      |                                |
| Bandit Cave spider              | <i>Cicurina bandida</i>                   | Small subterranean obligate spider.                                                                                        |                |      | Resident                       |
| BIRDS                           |                                           |                                                                                                                            |                |      |                                |
| Bald eagle                      | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                                               | DL             | T    | Possible Migrant               |
| Black-capped Vireo              | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                                                     | LE             | E    | Resident                       |
| Golden-cheeked Warbler          | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                                                                     | LE             | E    | Resident                       |
| Mountain Plover                 | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                                 |                |      | Possible Migrant               |
| Peregrine Falcon                | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                                        | DL             | T    | Possible Migrant               |
|                                 | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                              | DL             |      | Possible Migrant               |
| Sprague's Pipit                 | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                                 | C              |      | Possible Migrant               |
| Western Burrowing Owl           | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                                    |                |      | Resident                       |
| Whooping Crane                  | <i>Grus americana</i>                     | Potential migrant                                                                                                          | LE             | E    | Possible Migrant               |
| Zone-tailed Hawk                | <i>Buteo albonotatus</i>                  | Arid open country, often near watercourses                                                                                 |                | T    | Resident                       |
| CRUSTACEANS                     |                                           |                                                                                                                            |                |      |                                |

| Common Name                    | Scientific Name                | Summary of Habitat Preference                                                                              | Listing Entity |      | Potential Occurrence in County |
|--------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                |                                |                                                                                                            | USFWS          | TPWD |                                |
| A cave obligate crustacean     | <i>Monodella texana</i>        | Subaquatic, underground freshwater aquifers                                                                |                |      | Resident                       |
| Balcones Cave amphipod         | <i>Stygobromus balconies</i>   | Subaquatic, subterranean amphipod.                                                                         |                |      | Resident                       |
| Ezell's cave amphipod          | <i>Stygobromus flagellates</i> | Known only from artesian wells.                                                                            |                |      | Resident                       |
| Texas cave shrimp              | <i>Palaemonetes antrorum</i>   | Found in subterranean sluggish streams and pools.                                                          |                |      | Resident                       |
| Texas troglobitic water slater | <i>Lireolus smithii</i>        | Subaquatic species, subterranean obligate within aquifers.                                                 |                |      | Resident                       |
| <b>FISHES</b>                  |                                |                                                                                                            |                |      |                                |
| Fountain darter                | <i>Etheostoma fonticola</i>    | Known only from the San Marcos and Comal Rivers.                                                           | LE             | E    | Resident                       |
| Guadalupe bass                 | <i>Micropterus treculi</i>     | Endemic to perennial streams of the Edwards Plateau region.                                                |                |      | Resident                       |
| Guadalupe darter               | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. |                |      | Resident                       |
| Ironcolor shiner               | <i>Notropis chalybaeus</i>     | Found in Big Cypress Bayou and Sabine River basins.                                                        |                |      | Resident                       |
| San Marcos gambusia            | <i>Gambusia georgei</i>        | Extinct endemic formerly known from the upper San Marcos River.                                            | LE             | E    | Resident                       |
| <b>INSECTS</b>                 |                                |                                                                                                            |                |      |                                |
| Comal Springs dryopid beetle   | <i>Stygoparnus comalensis</i>  | Adults usually found clinging to objects in streams, larvae live in soil or decaying wood.                 | LE             | E    | Resident                       |
| Comal Springs riffle beetle    | <i>Heterelmis comalensis</i>   | Found in Comal and San Marcos Springs.                                                                     | LE             | E    | Resident                       |
| Edwards Aquifer diving beetle  | <i>Haideoporus texanus</i>     | Known from an artesian well in Hays County.                                                                |                |      | Resident                       |
| Flint's net-spinning caddisfly | <i>Cheumatopsyche flinti</i>   | Occupies spring habitat.                                                                                   |                |      | Resident                       |
| Leonora's dancer damselfly     | <i>Argia leonora</i>           | Found near small streams and seepages.                                                                     |                |      | Resident                       |
| Rawson's metalmark             | <i>Calephelis rawsoni</i>      | Moist areas in shaded limestone outcrops                                                                   |                |      | Resident                       |
| San Marcos saddle-case         | <i>Protophila arca</i>         | Known from an artesian well in Hays County.                                                                |                |      | Resident                       |
| Texas austrotinodes caddisfly  | <i>Austrotinodes texensis</i>  | Endemic to Karst Springs and spring runs of the Edward Plateau region.                                     |                |      | Resident                       |
| <b>MAMMALS</b>                 |                                |                                                                                                            |                |      |                                |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                             | Scientific Name                      | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                                                                                                  | USFWS          | TPWD |                                |
| Cave myotis bat                                                                                                                                                                                                                                                                                                                                                                                         | <i>Myotis velifer</i>                | Roosts colonially in caves, rock crevices                                                                        |                |      | Resident                       |
| Plains spotted skunk                                                                                                                                                                                                                                                                                                                                                                                    | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf                                                                                                                                                                                                                                                                                                                                                                                                | <i>Canis rufus</i>                   | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| <b>MOLLUSKS</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                                                                                                  |                |      |                                |
| Creeping (squawfoot)                                                                                                                                                                                                                                                                                                                                                                                    | <i>Strophitus undulatus</i>          | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel                                                                                                                                                                                                                                                                                                                                                                                      | <i>Quincuncina mitchelli</i>         | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                                                                                                                                                                                                                                                                                                                                                                                              | <i>Quadrula aurea</i>                | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas fatmucket                                                                                                                                                                                                                                                                                                                                                                                         | <i>Lampsilis bracteata</i>           | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                 | C              | T    | Resident                       |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                        | <i>Quadrula petrina</i>              | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                      |                                                                                                                  |                |      |                                |
| Bracted twistflower                                                                                                                                                                                                                                                                                                                                                                                     | <i>Streptanthus bracteatus</i>       | Texas endemic found in shallow well-drained gravelly clays and clay loams over limestone.                        | C              |      | Resident                       |
| Hill Country wild-mercury                                                                                                                                                                                                                                                                                                                                                                               | <i>Argythamnia aphoroides</i>        | Endemic; found primarily in grasslands associated with live oak woodlands.                                       |                |      | Resident                       |
| Texas wild rice                                                                                                                                                                                                                                                                                                                                                                                         | <i>Zizania texana</i>                | Endemic, found in spring-fed river.                                                                              | LE             | E    | Resident                       |
| Warnock's coral root                                                                                                                                                                                                                                                                                                                                                                                    | <i>Hexaelectric warnockii</i>        | Found in leaf litter and humus in oak-juniper woodlands.                                                         |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                      |                                                                                                                  |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                      | <i>Graptemys caglei</i>              | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                                         |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                              | <i>Holbrookia lacerata</i>           | Moderately open prairie-brushland.                                                                               |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                      | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats                                                                                       |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                     | <i>Phrynosoma cornutum</i>           | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Hays County (Updated 11/03/2014). |                                      |                                                                                                                  |                |      |                                |

**Table G-13. Endangered, Threatened, or Species of Concern – Karnes County**

| Common Name            | Scientific Name                           | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                        |                                           |                                                                                                                  | USFWS          | TPWD |                                |
| AMPHIBIANS             |                                           |                                                                                                                  |                |      |                                |
| Sheep frog             | <i>Hypopachus variolosus</i>              | Found in grassland and savanna; moist sites in arid areas.                                                       |                | T    | Resident                       |
| BIRDS                  |                                           |                                                                                                                  |                |      |                                |
| Interior least tern    | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                              | LE             | E    | Resident                       |
| Mountain Plover        | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                       |                |      | Possible Migrant               |
| Peregrine Falcon       | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                              | DL             | T    | Possible Migrant               |
|                        | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                    | DL             |      | Possible Migrant               |
| Sprague's Pipit        | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                       | C              |      | Possible Migrant               |
| Western Burrowing Owl  | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                          |                |      | Resident                       |
| White-faced Ibis       | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                                                      |                | T    | Resident                       |
| Whooping Crane         | <i>Grus americana</i>                     | Potential migrant                                                                                                | LE             | E    | Possible Migrant               |
| Wood Stork             | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                              |                | T    | Possible Migrant               |
| INSECTS                |                                           |                                                                                                                  |                |      |                                |
| Manfreda Giant-skipper | <i>Stallingsia maculosus</i>              | Skipper larvae usually feed inside a leaf shelter.                                                               |                |      | Resident                       |
| MAMMALS                |                                           |                                                                                                                  |                |      |                                |
| Plains spotted skunk   | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf               | <i>Canis rufus</i>                        | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| MOLLUSKS               |                                           |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)    | <i>Strophitus undulates</i>               | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel     | <i>Quincuncina mitchelli</i>              | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb             | <i>Quadrula aurea</i>                     | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas pimpleback       | <i>Quadrula petrina</i>                   | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                               | Scientific Name                       | Summary of Habitat Preference                               | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                                             | USFWS          | TPWD |                                |
| PLANTS                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                                                             |                |      |                                |
| Welder machaeranthera                                                                                                                                                                                                                                                                                                                                                                                     | <i>Psilactis heterocarpa</i>          | Endemic; found in grasslands.                               |                |      | Resident                       |
| REPTILES                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |                                                             |                |      |                                |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                          |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                       | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                         |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                        | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                            | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                             |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Karnes County (Updated 10/10/2011). |                                       |                                                             |                |      |                                |

**Table G-14. Endangered, Threatened, or Species of Concern – Kendall County**

| Common Name                     | Scientific Name                           | Summary of Habitat Preference                                                           | Listing Entity |      | Potential Occurrence in County |
|---------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                 |                                           |                                                                                         | USFWS          | TPWD |                                |
| AMPHIBIANS                      |                                           |                                                                                         |                |      |                                |
| Blanco River springs salamander | <i>Eurycea pterophila</i>                 | Found in springs and caves in the Blanco River drainage.                                |                |      | Resident                       |
| Cascade Caverns salamander      | <i>Eurycea latitans complex</i>           | Endemic, subaquatic in Edwards Aquifer Area                                             |                | T    | Resident                       |
| Comal Blind Salamander          | <i>Eurycea tridentifera</i>               | Endemic; springs and waters of caves in Bexar County.                                   |                | T    | Resident                       |
| Texas Salamander                | <i>Eurycea neotenes</i>                   | Endemic; springs, seeps, cave streams, Helotes and Leon Creek drainages in Bexar County |                |      | Resident                       |
| BIRDS                           |                                           |                                                                                         |                |      |                                |
| Bald eagle                      | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                            | DL             | T    | Possible Migrant               |
| Black-capped Vireo              | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                  | LE             | E    | Resident                       |
| Golden-cheeked Warbler          | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                                  | LE             | E    | Resident                       |
| Interior least tern             | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                     | LE             | E    | Resident                       |
| Mountain Plover                 | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                              |                |      | Possible Migrant               |
| Peregrine Falcon                | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                     | DL             | T    | Possible Migrant               |
|                                 | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                           | DL             |      | Possible Migrant               |
| Sprague's Pipit                 | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                              | C              |      | Possible Migrant               |
| Western Burrowing Owl           | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                 |                |      | Resident                       |
| Whooping Crane                  | <i>Grus americana</i>                     | Potential migrant                                                                       | LE             | E    | Possible Migrant               |
| Zone-tailed Hawk                | <i>Buteo albonotatus</i>                  | Arid open country, often near watercourses                                              |                | T    | Resident                       |
| CRUSTACEANS                     |                                           |                                                                                         |                |      |                                |
| Cascade Cave amphipod           | <i>Stygobromus dejectus</i>               | Subaquatic crustacean which is a subterranean obligate found in pools.                  |                |      | Resident                       |
| Long-legged cave amphipod       | <i>Stygobromus longipes</i>               | Found in subterranean streams.                                                          |                |      | Resident                       |
| FISHES                          |                                           |                                                                                         |                |      |                                |

| Common Name          | Scientific Name                      | Summary of Habitat Preference                                                                                                   | Listing Entity |      | Potential Occurrence in County |
|----------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                      |                                      |                                                                                                                                 | USFWS          | TPWD |                                |
| Guadalupe bass       | <i>Micropterus treculi</i>           | Endemic to perennial streams of the Edwards Plateau region.                                                                     |                |      | Resident                       |
| Guadalupe darter     | <i>Percina sciera apristis</i>       | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers.                      |                |      | Resident                       |
| Headwater catfish    | <i>Ictalurus lupus</i>               | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin.                                            |                |      | Resident                       |
| <b>INSECTS</b>       |                                      |                                                                                                                                 |                |      |                                |
| A mayfly             | <i>Allenhyphes michaeli</i>          | Found in the Texas Hill Country. Distinguished by an aquatic larval stage, with adults generally found in shoreline vegetation. |                |      | Resident                       |
| A mayfly             | <i>Baetodes alleni</i>               | Adults distinguished by aquatic larval stage, adults generally found in shoreline vegetation.                                   |                |      | Resident                       |
| Rawson's metalmark   | <i>Calephelis rawsoni</i>            | Moist areas in shaded limestone outcrops                                                                                        |                |      | Resident                       |
| <b>MAMMALS</b>       |                                      |                                                                                                                                 |                |      |                                |
| Black bear           | <i>Ursus americanus</i>              | Inhabits bottomland hardwoods                                                                                                   | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat      | <i>Myotis velifer</i>                | Roosts colonially in caves, rock crevices                                                                                       |                |      | Resident                       |
| Gray wolf            | <i>Canis lupus</i>                   | Extirpated, forests, brushlands or grasslands                                                                                   | LE             | E    | Historic resident              |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas.                                                                                                   |                |      | Resident                       |
| Red wolf             | <i>Canis rufus</i>                   | Extirpated.                                                                                                                     | LE             | E    | Historic Resident              |
| <b>MOLLUSKS</b>      |                                      |                                                                                                                                 |                |      |                                |
| Creeping (squawfoot) | <i>Strophitus undulatus</i>          | Small to large streams                                                                                                          |                |      | Resident                       |
| False spike mussel   | <i>Quincuncina mitchelli</i>         | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins.                |                | T    | Resident                       |
| Golden orb           | <i>Quadrula aurea</i>                | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                                | C              | T    | Resident                       |
| Texas fatmucket      | <i>Lampsilis bracteata</i>           | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins.                                                | C              | T    | Resident                       |
| Texas pimpleback     | <i>Quadrula petrina</i>              | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                                            | C              | T    | Resident                       |
| <b>PLANTS</b>        |                                      |                                                                                                                                 |                |      |                                |





| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                 | Scientific Name                      | Summary of Habitat Preference                                                               | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |                                                                                             | USFWS          | TPWD |                                |
| Basin bellflower                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Campanula reverchonii</i>         | Endemic; found among scattered vegetation on loose gravel and rock outcrops on open slopes. |                |      | Resident                       |
| Big red sage                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Salvia penstemonoides</i>         | Endemic; moist to seasonally wet clay or silt soils in creek beds.                          |                |      | Resident                       |
| Boerne bean                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Phaseolus texensis</i>            | Narrowly endemic to rocky canyons in eastern and southern Edwards Plateau.                  |                |      | Resident                       |
| Hill Country wild-mercury                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Argythamnia aphoroides</i>        | Endemic; found primarily in grasslands associated with live oak woodlands.                  |                |      | Resident                       |
| Texas mock-orange                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Philadelphus texensis</i>         | Found on limestone outcrops on cliffs and rocky slopes.                                     |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |                                                                                             |                |      |                                |
| Cagle's map turtle                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Graptemys caglei</i>              | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                    |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Holbrookia lacerata</i>           | Moderately open prairie-brushland.                                                          |                |      | Resident                       |
| Texas garter snake                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats                                                                  |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Phrynosoma cornutum</i>           | Varied, sparsely vegetated uplands.                                                         |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Kendall County (Updated 8/7/2012).</p> |                                      |                                                                                             |                |      |                                |

**Table G-15. Endangered, Threatened, or Species of Concern – LaSalle County**

| Common Name             | Scientific Name                           | Summary of Habitat Preference                                                       | Listing Entity |      | Potential Occurrence in County |
|-------------------------|-------------------------------------------|-------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                         |                                           |                                                                                     | USFWS          | TPWD |                                |
| BIRDS                   |                                           |                                                                                     |                |      |                                |
| Audubon's Oriole        | <i>Icterus graduacauda audubonii</i>      | Usually found along water courses in scrub and mesquite.                            |                |      | Resident                       |
| Baird's Sparrow         | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.          |                |      | Possible Migrant               |
| Interior least tern     | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                 | LE             | E    | Resident                       |
| Mountain Plover         | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                          |                |      | Possible Migrant               |
| Peregrine Falcon        | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                 | DL             | T    | Possible Migrant               |
|                         | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                       | DL             |      | Possible Migrant               |
| Sennett's Hooded Oriole | <i>Icterus cucullatus sennetti</i>        | This species often builds nests of Spanish moss.                                    |                |      | Resident                       |
| Sprague's Pipit         | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                          | C              |      | Possible Migrant               |
| Western Burrowing Owl   | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                             |                |      | Resident                       |
| Wood Stork              | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX |                | T    | Possible Migrant               |
| MAMMALS                 |                                           |                                                                                     |                |      |                                |
| Black Bear              | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                       | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat         | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                           |                |      | Resident                       |
| Gray wolf               | <i>Canis lupus</i>                        | Extirpated, forests, brushlands or grasslands                                       | LE             | E    | Historic resident              |
| Jaguarundi              | <i>Herpailurus yaguarondi</i>             | Found in thick brushlands near water.                                               | LE             | E    | Resident                       |
| Ocelot                  | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.         | LE             | E    | Resident                       |
| Plains spotted skunk    | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                       |                |      | Resident                       |
| White-nosed coati       | <i>Nasua narica</i>                       | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico.  |                | T    | Resident                       |
| PLANTS                  |                                           |                                                                                     |                |      |                                |



| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                        | Scientific Name                       | Summary of Habitat Preference                                       | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                                                                     | USFWS          | TPWD |                                |
| Kleberg saltbush                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Atriplex klebergorum</i>           | Endemic; usually occurring in sparsely vegetated saline areas.      |                |      | Resident                       |
| Silvery wild-mercury                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Argythamnia argyraea</i>           | Endemic; found among shortgrasses in grasslands or open shrublands. |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                                                                     |                |      |                                |
| Reticulate collared lizard                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Crotaphytus reticulatus</i>        | Requires open brush-grasslands; thorn-scrub vegetation.             |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                                  |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                                 |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.         |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                     |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, LaSalle County (Updated online 4/7/2015).</p> |                                       |                                                                     |                |      |                                |

**Table G-16. Endangered, Threatened, or Species of Concern – Medina County**

| Common Name                       | Scientific Name                           | Summary of Habitat Preference                                                                                | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                   |                                           |                                                                                                              | USFWS          | TPWD |                                |
| AMPHIBIANS                        |                                           |                                                                                                              |                |      |                                |
| Valdina Farms sinkhole salamander | <i>Eurycea troglodytes complex</i>        | Found in isolated, intermittent pools of subterranean streams and sinkholes within the Edwards Aquifer area. |                |      | Resident                       |
| BIRDS                             |                                           |                                                                                                              |                |      |                                |
| Baird's Sparrow                   | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.                                   |                |      | Possible Migrant               |
| Black-capped Vireo                | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                                       | LE             | E    | Resident                       |
| Golden-cheeked Warbler            | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                                                       | LE             | E    | Resident                       |
| Interior least tern               | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                          | LE             | E    | Resident                       |
| Mountain Plover                   | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                   |                |      | Possible Migrant               |
| Peregrine Falcon                  | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                          | DL             | T    | Possible Migrant               |
|                                   | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                | DL             |      | Possible Migrant               |
| Sprague's Pipit                   | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                   | C              |      | Possible Migrant               |
| Western Burrowing Owl             | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                      |                |      | Resident                       |
| Whooping Crane                    | <i>Grus americana</i>                     | Potential migrant                                                                                            | LE             | E    | Possible Migrant               |
| Zone-tailed Hawk                  | <i>Buteo albonotatus</i>                  | Arid open country, often near watercourses                                                                   |                | T    | Resident                       |
| CRUSTACEANS                       |                                           |                                                                                                              |                |      |                                |
| Ezell's cave amphipod             | <i>Stygobromus flagellates</i>            | Known only from artesian wells.                                                                              |                |      | Resident                       |
| FISHES                            |                                           |                                                                                                              |                |      |                                |
| Edwards Plateau shiner            | <i>Cyprinella lepida</i>                  | Found in the Edwards Plateau portion of the Nueces Basin.                                                    |                |      | Resident                       |
| Headwater catfish                 | <i>Ictalurus lupus</i>                    | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin.                         |                |      | Resident                       |
| Nueces roundnose minnow           | <i>Dionda serena</i>                      | Found in the mainstream and tributaries of the Nueces, Frio and Sabinal Rivers.                              |                |      | Resident                       |
| INSECTS                           |                                           |                                                                                                              |                |      |                                |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                       | Scientific Name                       | Summary of Habitat Preference                                                                     | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                   | USFWS          | TPWD |                                |
| Leonora's dancer damselfly                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Argia leonorae</i>                 | Found near small streams and seepages.                                                            |                |      | Resident                       |
| <b>MAMMALS</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                                                                                                   |                |      |                                |
| Black bear                                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Ursus americanus</i>               | Inhabits bottomland hardwoods                                                                     | T/SA;NL        | T    | Historic Resident              |
| Cave myotis bat                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Myotis velifer</i>                 | Roosts colonially in caves, rock crevices                                                         |                |      | Resident                       |
| Frio pocket gopher                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Geomys texensis bakeri</i>         | Associated with nearly level Atco soils.                                                          |                |      | Resident                       |
| Gray wolf                                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Canis lupus</i>                    | Extirpated, forests, brushlands or grasslands                                                     | LE             | E    | Historic resident              |
| Plains spotted skunk                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Spilogale putorius interrupta</i>  | Prefers wooded, brushy areas.                                                                     |                |      | Resident                       |
| Red wolf                                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Canis rufus</i>                    | Extirpated.                                                                                       | LE             | E    | Historic Resident              |
| <b>MOLLUSKS</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                   |                |      |                                |
| Texas pimpleback                                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Quadrula petrina</i>               | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                              | C              | T    | Resident                       |
| <b>PLANTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                                                                                                   |                |      |                                |
| Bracted twistflower                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Streptanthus bracteatus</i>        | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone.             | C              |      | Resident                       |
| Bristle nailwort                                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Paronychia setacea</i>             | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils.                    |                |      | Resident                       |
| Sandhill woollywhite                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Hymenopappus carrizoanus</i>       | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. |                |      | Resident                       |
| Texas mock-orange                                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Philadelphus texensis</i>          | Found on limestone outcrops on cliffs and rocky slopes.                                           |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                                                                                                   |                |      |                                |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                                                                |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                                                               |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                                | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.                                       |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                                    | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                                                   |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Medina County (Updated online 4/7/2015).</p> |                                       |                                                                                                   |                |      |                                |

**Table G-17. Endangered, Threatened, or Species of Concern – Refugio County**

| Common Name                        | Scientific Name                           | Summary of Habitat Preference                                                                         | Listing Entity |      | Potential Occurrence in County |
|------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                    |                                           |                                                                                                       | USFWS          | TPWD |                                |
| AMPHIBIANS                         |                                           |                                                                                                       |                |      |                                |
| Black-spotted newt                 | <i>Notophthalmus meridionalis</i>         | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. |                | T    | Resident                       |
| Sheep frog                         | <i>Hypopachus variolosus</i>              | Found in grassland and savanna; moist sites in arid areas.                                            |                | T    | Resident                       |
| BIRDS                              |                                           |                                                                                                       |                |      |                                |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i>       | Endemic, within historic range.                                                                       | LE             | E    | Historic                       |
| Bald eagle                         | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                          | DL             | T    | Possible Migrant               |
| Brown pelican                      | <i>Pelecanus occidentalis</i>             | <i>Largely coastal and near shore areas.</i>                                                          | DL             |      | Resident                       |
| Henslow's Sparrow                  | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                               |                |      | Resident                       |
| Mountain Plover                    | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                            |                |      | Possible Migrant               |
| Northern Aplomado Falcon           | <i>Falco femoralis septentrionalis</i>    | Found in open country, especially savanna and open woodland.                                          | LE             | E    | Resident                       |
| Peregrine Falcon                   | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                   | DL             | T    | Possible Migrant               |
|                                    | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                         | DL             |      | Possible Migrant               |
| Piping plover                      | <i>Charadrius melodus</i>                 | Wintering migrant along the Texas Gulf Coast.                                                         | LT             | T    | Possible Migrant               |
| Reddish Egret                      | <i>Egretta rufescens</i>                  | Resident of Texas Gulf coast.                                                                         |                | T    | Resident                       |
| Snowy Plover                       | <i>Charadrius alexandrinus</i>            | Potential migrant, winters along coast                                                                |                |      | Possible Migrant               |
| Sooty Tern                         | <i>Sterna fuscata</i>                     | Usually flies or hovers over water.                                                                   |                | T    | Resident                       |
| Western Burrowing Owl              | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                               |                |      | Resident                       |
| White-faced Ibis                   | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                                           |                | T    | Resident                       |
| White-tailed Hawk                  | <i>Buteo albicaudatus</i>                 | Found near the coast on prairies.                                                                     |                | T    | Resident                       |
| Whooping Crane                     | <i>Grus americana</i>                     | Potential migrant                                                                                     | LE             | E    | Possible Migrant               |
| Wood Stork                         | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                   |                | T    | Possible Migrant               |
| FISHES                             |                                           |                                                                                                       |                |      |                                |

| Common Name                   | Scientific Name                                | Summary of Habitat Preference                                                      | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|------------------------------------------------|------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                                |                                                                                    | USFWS          | TPWD |                                |
| American eel                  | <i>Anguilla rostrata</i>                       | Coastal waterways below reservoirs to gulf.                                        |                |      | Resident                       |
| Opossum pipefish              | <i>Microphis brachyurus</i>                    | Adults found in fresh or low salinity waters.                                      |                | T    | Resident                       |
| Smalltooth sawfish            | <i>Pristis pectinata</i>                       | Found in bays, estuaries or river mouths.                                          | LE             | E    | Resident                       |
| <b>MAMMALS</b>                |                                                |                                                                                    |                |      |                                |
| Louisiana black bear          | <i>Ursus americanus luteolus</i>               | Possible transient.                                                                | LT             | T    | Transient                      |
| Ocelot                        | <i>Leopardus pardalis</i>                      | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.        | LE             | E    | Resident                       |
| Plains Spotted Skunk          | <i>Spilogale putorius interrupta</i>           | Prefers wooded, brushy areas.                                                      |                |      | Resident                       |
| Red Wolf                      | <i>Canis rufus</i>                             | Extirpated.                                                                        | LE             | E    | Historic Resident              |
| West Indian manatee           | <i>Trichechus manatus</i>                      | Gulf and bay systems.                                                              | LE             | E    | Resident                       |
| White-nosed coati             | <i>Nasua narica</i>                            | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. |                | T    | Resident                       |
| <b>MOLLUSKS</b>               |                                                |                                                                                    |                |      |                                |
| Creeper (squawfoot)           | <i>Strophitus undulates</i>                    | Small to large streams                                                             |                |      | Resident                       |
| Golden orb                    | <i>Quadrula aurea</i>                          | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                   | C              | T    | Resident                       |
| <b>PLANTS</b>                 |                                                |                                                                                    |                |      |                                |
| Black lace cactus             | <i>Echinocereus reichenbachii var albertii</i> | Texas endemic found in grasslands, thorn shrublands and mesquite woodlands.        | LE             | E    | Resident                       |
| Coastal gay-feather           | <i>Liatris bracteata</i>                       | Endemic: found in coastal prairie grasslands.                                      |                |      | Resident                       |
| Elmendorf's onion             | <i>Allium elmendorffii</i>                     | Endemic, in deep sands                                                             |                |      | Resident                       |
| Plains gumweed                | <i>Grindelia oolepis</i>                       | Found on coastal prairies on heavy clay soils.                                     |                |      | Resident                       |
| Refugio rain-lily             | <i>Zephyranthes refugiensis</i>                | Occurs on deep heavy black clay soils or sandy loams.                              |                |      | Resident                       |
| Tharp's rhododon              | <i>Rhododon angulatus</i>                      | Texas endemic found in deep, loose sands in sparsely vegetated areas.              |                |      | Resident                       |
| Threeflower broomweed         | <i>Thurovia triflora</i>                       | Endemic: near coast.                                                               |                |      | Resident                       |
| Welder machaeranthera         | <i>Psilactis heterocarpa</i>                   | Endemic; found in grasslands.                                                      |                |      | Resident                       |
| <b>REPTILES</b>               |                                                |                                                                                    |                |      |                                |
| Atlantic hawksbill sea turtle | <i>Eretmochelys imbricate</i>                  | Found in Gulf and bay systems.                                                     | LE             | E    | Resident                       |
| Green sea turtle              | <i>Chelonia mydas</i>                          | Gulf and bay systems.                                                              | LT             | T    | Resident                       |
| Gulf Saltmarsh snake          | <i>Nerodia clarkii</i>                         | Found on saline flats.                                                             |                |      | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                | Scientific Name                       | Summary of Habitat Preference                                  | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                                                                | USFWS          | TPWD |                                |
| Kemp's Ridley sea turtle                                                                                                                                                                                                                                                                                                                                                                                   | <i>Lepidochelys kempii</i>            | Found in gulf and bay systems.                                 | LE             | E    | Resident                       |
| Leatherback sea turtle                                                                                                                                                                                                                                                                                                                                                                                     | <i>Dermochelys coriacea</i>           | Gulf and bay systems.                                          | LE             | E    | Resident                       |
| Loggerhead sea turtle                                                                                                                                                                                                                                                                                                                                                                                      | <i>Caretta caretta</i>                | Gulf and bay systems for juveniles, ocean for adults.          | LT             | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                 | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                             |                |      | Resident                       |
| Texas diamondback terrapin                                                                                                                                                                                                                                                                                                                                                                                 | <i>Malaclemys terrapin littoralis</i> | Found in coastal marshes and tidal flats.                      |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                        | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                            |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                         | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.    |                |      | Resident                       |
| Texas scarlet snake                                                                                                                                                                                                                                                                                                                                                                                        | <i>Cemophora coccinea lineri</i>      | Found in mixed hardwood scrub on sandy soils.                  |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                             | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                |                | T    | Resident                       |
| Timber rattlesnake                                                                                                                                                                                                                                                                                                                                                                                         | <i>Crotalus horridus</i>              | Floodplains, upland pine, deciduous woodlands, riparian zones. |                | T    | Resident                       |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Refugio County (Updated 12/11/2014). |                                       |                                                                |                |      |                                |



**Table G-18. Endangered, Threatened, or Species of Concern – Uvalde County**

| Common Name                       | Scientific Name                           | Summary of Habitat Preference                                                                                | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                   |                                           |                                                                                                              | USFWS          | TPWD |                                |
| AMPHIBIANS                        |                                           |                                                                                                              |                |      |                                |
| Valdina Farms sinkhole salamander | <i>Eurycea troglodytes complex</i>        | Found in isolated, intermittent pools of subterranean streams and sinkholes within the Edwards Aquifer area. |                |      | Resident                       |
| BIRDS                             |                                           |                                                                                                              |                |      |                                |
| Baird's Sparrow                   | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.                                   |                |      | Possible Migrant               |
| Black-capped Vireo                | <i>Vireo atricapillus</i>                 | Oak-juniper woodlands,                                                                                       | LE             | E    | Resident                       |
| Golden-cheeked Warbler            | <i>Dendroica chrysoparia</i>              | Juniper-oak woodlands.                                                                                       | LE             | E    | Resident                       |
| Interior least tern               | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                          | LE             | E    | Possible Migrant               |
| Mountain Plover                   | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                   |                |      | Possible Migrant               |
| Peregrine Falcon                  | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                          | DL             | T    | Possible Migrant               |
|                                   | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                | DL             |      | Possible Migrant               |
| Sennett's Hooded Oriole           | <i>Icterus cucullatus sennetti</i>        | This species often builds nests of Spanish moss.                                                             |                |      | Resident                       |
| Sprague's Pipit                   | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                   | C              |      | Possible Migrant               |
| Western Burrowing Owl             | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                      |                |      | Resident                       |
| Zone-tailed Hawk                  | <i>Buteo albonotatus</i>                  | Arid open country, often near watercourses                                                                   |                | T    | Resident                       |
| CRUSTACEANS                       |                                           |                                                                                                              |                |      |                                |
| A cave obligate crustacean        | <i>Monodella texana</i>                   | Subaquatic, underground freshwater aquifers                                                                  |                |      | Resident                       |
| FISHES                            |                                           |                                                                                                              |                |      |                                |
| Blue sucker                       | <i>Cycleptus elongates</i>                | Major rivers in Texas.                                                                                       |                | T    | Resident                       |
| Edwards Plateau shiner            | <i>Cyprinella lepida</i>                  | Found in the Edwards Plateau portion of the Nueces Basin.                                                    |                |      | Resident                       |
| Guadalupe bass                    | <i>Micropterus treculi</i>                | Endemic to perennial streams of the Edwards Plateau region.                                                  |                |      | Resident                       |
| Headwater catfish                 | <i>Ictalurus lupus</i>                    | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin.                         |                |      | Resident                       |

| Common Name                | Scientific Name                           | Summary of Habitat Preference                                                                                                   | Listing Entity |      | Potential Occurrence in County |
|----------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                            |                                           |                                                                                                                                 | USFWS          | TPWD |                                |
| Nueces River shiner        | <i>Cyprinella sp.2</i>                    | Edwards Plateau portion of the Nueces Basin in clear, cool, spring-fed headwater creeks.                                        |                |      | Resident                       |
| Nueces roundnose minnow    | <i>Dionda serena</i>                      | Found in the mainstream and tributaries of the Nueces, Frio and Sabinal Rivers.                                                 |                |      | Resident                       |
| <b>INSECTS</b>             |                                           |                                                                                                                                 |                |      |                                |
| A mayfly                   | <i>Allenhyphes michaeli</i>               | Found in the Texas Hill Country. Distinguished by an aquatic larval stage, with adults generally found in shoreline vegetation. |                |      | Resident                       |
| Coahuila giant skipper     | <i>Agathymus remingtoni valverdiensis</i> | Found with the Lechugilla plant in desert hills and thorn forests.                                                              |                |      | Resident                       |
| Leonora's dancer damselfly | <i>Argia leonorae</i>                     | Found near small streams and seepages.                                                                                          |                |      | Resident                       |
| Sage sphinx                | <i>Sphinx eremitoides</i>                 | Found in desert, grassland and sandy prairie with sage.                                                                         |                |      | Resident                       |
| <b>MAMMALS</b>             |                                           |                                                                                                                                 |                |      |                                |
| Black Bear                 | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                                                                   | T/SA;NL        | T    | Historic Resident              |
| Cave Myotis Bat            | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                                                       |                |      | Resident                       |
| Frio pocket gopher         | <i>Geomys texensis bakeri</i>             | Associated with nearly level Atco soils.                                                                                        |                |      | Resident                       |
| Ghost-faced bat            | <i>Mormoops megalophylla</i>              | Roosts in caves, crevices and buildings                                                                                         |                |      | Resident                       |
| Gray wolf                  | <i>Canis lupus</i>                        | Extirpated, forests, brushlands or grasslands                                                                                   | LE             | E    | Historic resident              |
| Jaguarundi                 | <i>Herpailurus yaguarondi</i>             | Found in thick brushlands near water.                                                                                           | LE             | E    | Resident                       |
| Ocelot                     | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.                                                     | LE             | E    | Resident                       |
| Red Wolf                   | <i>Canis rufus</i>                        | Extirpated.                                                                                                                     | LE             | E    | Historic Resident              |
| White-nosed coati          | <i>Nasua narica</i>                       | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico.                                              |                | T    | Resident                       |
| <b>PLANTS</b>              |                                           |                                                                                                                                 |                |      |                                |
| Big red sage               | <i>Salvia penstemonoides</i>              | Endemic; moist to seasonally wet clay or silt soils in creek beds.                                                              |                |      | Resident                       |
| Boerne bean                | <i>Phaseolus texensis</i>                 | Narrowly endemic to rocky canyons in eastern and southern Edwards Plateau.                                                      |                |      | Resident                       |



| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                 | Scientific Name                               | Summary of Habitat Preference                                                                  | Listing Entity |      | Potential Occurrence in County |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                                                                | USFWS          | TPWD |                                |
| Bracted twistflower                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Streptanthus bracteatus</i>                | Endemic; found in shallow, well-drained gravelly clays and clay loams over limestone.          |                |      | Resident                       |
| Hill Country wild-mercury                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Argythamnia aphoroides</i>                 | Endemic; found primarily in grasslands associated with live oak woodlands.                     |                |      |                                |
| Sabinal prairie-clover                                                                                                                                                                                                                                                                                                                                                                                                      | <i>Dalea sabinalis</i>                        | Texas endemic; found mostly in bluestem-grama grasslands associated with live oak woodlands.   |                |      | Resident                       |
| Springrun whitehead                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Shinnersia rivularis</i>                   | Found in shallow, slow-moving water in spring-fed streams and rivers.                          |                |      | Resident                       |
| Texas greasebush                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Glossopetalon texense</i>                  | Texas endemic; found in dry limestone ledges and outcrops.                                     |                |      | Resident                       |
| Texas largeseed bittercress                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Cardamine macrocarpa</i> var <i>texana</i> | Found in seasonally moist, loamy soils in pine-oak woodlands at high elevations.               |                |      | Resident                       |
| Texas mock-orange                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Philadelphus texensis</i>                  | Found on limestone outcrops on cliffs and rocky slopes.                                        |                |      | Resident                       |
| Tobusch fishhook cactus                                                                                                                                                                                                                                                                                                                                                                                                     | <i>Sclerocactus brevihamatus</i> ssp.         | Texas endemic; found on shallow, moderately alkaline stony clay and clay loams over limestone. |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |                                                                                                |                |      |                                |
| Reticulate collared lizard                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Crotaphytus reticulatus</i>                | Requires open brush-grasslands; thorn-scrub vegetation.                                        |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Holbrookia lacerata</i>                    | Moderately open prairie-brushland.                                                             |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Phrynosoma cornutum</i>                    | Varied, sparsely vegetated uplands.                                                            |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Drymarchon melanurus erebennus</i>         | Found south of the Guadalupe river and Balcones Escarpment.                                    |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Gopherus berlandieri</i>                   | Open brush w/ grass understory.                                                                |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Uvalde County (Updated 10/2/2012).</p> |                                               |                                                                                                |                |      |                                |

**Table G-19. Endangered, Threatened, or Species of Concern – Victoria County**

| Common Name                        | Scientific Name                           | Summary of Habitat Preference                                                                         | Listing Entity |      | Potential Occurrence in County |
|------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                    |                                           |                                                                                                       | USFWS          | TPWD |                                |
| AMPHIBIANS                         |                                           |                                                                                                       |                |      |                                |
| Black-spotted newt                 | <i>Notophthalmus meridionalis</i>         | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. |                | T    | Resident                       |
| BIRDS                              |                                           |                                                                                                       |                |      |                                |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i>       | Endemic, within historic range.                                                                       | LE             | E    | Historic                       |
| Bald eagle                         | <i>Haliaeetus leucocephalus</i>           | Found primarily near rivers and large lakes.                                                          | DL             | T    | Possible Migrant               |
| Brown pelican                      | <i>Pelecanus occidentalis</i>             | <i>Largely coastal and near shore areas.</i>                                                          | DL             |      | Resident                       |
| Henslow's Sparrow                  | <i>Ammodramus henslowii</i>               | Found in weedy fields or cut-over areas                                                               |                |      | Resident                       |
| Interior least tern                | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                   | LE             | E    | Resident                       |
| Mountain Plover                    | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                            |                |      | Possible Migrant               |
| Peregrine Falcon                   | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                   | DL             | T    | Possible Migrant               |
|                                    | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                         | DL             |      | Possible Migrant               |
| Reddish Egret                      | <i>Egretta rufescens</i>                  | Resident of Texas Gulf coast.                                                                         |                | T    | Resident                       |
| Sprague's Pipit                    | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                            | C              |      | Possible Migrant               |
| Western Burrowing Owl              | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                               |                |      | Resident                       |
| White-faced Ibis                   | <i>Plegadis chihi</i>                     | Prefers freshwater marshes.                                                                           |                | T    | Resident                       |
| White-tailed Hawk                  | <i>Buteo albicaudatus</i>                 | Found near the coast on prairies.                                                                     |                | T    | Resident                       |
| Whooping Crane                     | <i>Grus americana</i>                     | Potential migrant                                                                                     | LE             | E    | Possible Migrant               |
| Wood Stork                         | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                   |                | T    | Possible Migrant               |
| FISHES                             |                                           |                                                                                                       |                |      |                                |
| American eel                       | <i>Anguilla rostrata</i>                  | Coastal waterways below reservoirs to gulf.                                                           |                |      | Resident                       |
| INSECTS                            |                                           |                                                                                                       |                |      |                                |



| Common Name                   | Scientific Name                                  | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                                  |                                                                                                                  | USFWS          | TPWD |                                |
| A mayfly                      | <i>Tortopus circumfluus</i>                      | Aquatic larval stage, adults generally found in shoreline vegetation.                                            |                |      | Resident                       |
| Texas asaphomyian tabanid fly | <i>Asaphomyia texensis</i>                       | Globally historic species.                                                                                       |                |      | Resident                       |
| <b>MAMMALS</b>                |                                                  |                                                                                                                  |                |      |                                |
| Louisiana black bear          | <i>Ursus americanus luteolus</i>                 | Possible transient.                                                                                              | LT             | T    | Transient                      |
| Plains spotted skunk          | <i>Spilogale putorius interrupta</i>             | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf                      | <i>Canis rufus</i>                               | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| White-nosed coati             | <i>Nasua narica</i>                              | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico.                               |                | T    | Resident                       |
| <b>MOLLUSKS</b>               |                                                  |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)           | <i>Strophitus undulates</i>                      | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel            | <i>Quincuncina mitchelli</i>                     | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb                    | <i>Quadrula aurea</i>                            | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas pimpleback              | <i>Quadrula petrina</i>                          | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| <b>PLANTS</b>                 |                                                  |                                                                                                                  |                |      |                                |
| Shinner's sunflower           | <i>Helianthus occidentalis ssp. Plantagineus</i> | Found on prairies on the Coastal Plain                                                                           |                |      | Resident                       |
| Welder machaeranthera         | <i>Psilactis heterocarpa</i>                     | Endemic; found in grasslands.                                                                                    |                |      | Resident                       |
| <b>REPTILES</b>               |                                                  |                                                                                                                  |                |      |                                |
| Cagle's map turtle            | <i>Graptemys caglei</i>                          | Endemic to Guadalupe River System. Found within 30 feet of waters' edge.                                         |                | T    | Resident                       |
| Texas diamondback terrapin    | <i>Malaclemys terrapin littoralis</i>            | Found in coastal marshes and tidal flats.                                                                        |                |      | Resident                       |
| Texas horned lizard           | <i>Phrynosoma cornutum</i>                       | Varied, sparsely vegetated uplands.                                                                              |                | T    | Resident                       |
| Texas tortoise                | <i>Gopherus berlandieri</i>                      | Open brush w/ grass understory.                                                                                  |                | T    | Resident                       |
| Timber rattlesnake            | <i>Crotalus horridus</i>                         | Floodplains, upland pine, deciduous woodlands, riparian zones.                                                   |                | T    | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                | Scientific Name | Summary of Habitat Preference | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                               | USFWS          | TPWD |                                |
| LE/LT -- Federally Listed Endangered/Threatened<br>DL, PDL -- Federally Delisted/proposed for delisting<br>T/SA -- Listed as Threatened by similarity of appearance<br>E, T -- State listed Endangered/Threatened<br>C -- Species of Concern<br>Blank -- Not yet listed by TPWD or USFWS, but considered rare<br>Source: TPWD, Annotated County List of Rare Species, Victoria County (Updated 4/28/2014). |                 |                               |                |      |                                |

**Table G-20. Endangered, Threatened, or Species of Concern – Wilson County**

| Common Name            | Scientific Name                           | Summary of Habitat Preference                                                                                    | Listing Entity |      | Potential Occurrence in County |
|------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                        |                                           |                                                                                                                  | USFWS          | TPWD |                                |
| BIRDS                  |                                           |                                                                                                                  |                |      |                                |
| Interior least tern    | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                                              | LE             | E    | Resident                       |
| Mountain Plover        | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                                                       |                |      | Possible Migrant               |
| Peregrine Falcon       | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                                              | DL             | T    | Possible Migrant               |
|                        | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                                                    | DL             |      | Possible Migrant               |
| Sprague's Pipit        | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                                                       | C              |      | Possible Migrant               |
| Western Burrowing Owl  | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                                                          |                |      | Resident                       |
| Whooping Crane         | <i>Grus americana</i>                     | Potential migrant                                                                                                | LE             | E    | Possible Migrant               |
| Wood Stork             | <i>Mycteria americana</i>                 | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX                              |                | T    | Possible Migrant               |
| INSECTS                |                                           |                                                                                                                  |                |      |                                |
| Manfreda giant-skipper | <i>Stallingsia maculosus</i>              | Skipper larvae usually feed inside a leaf shelter.                                                               |                |      | Resident                       |
| MAMMALS                |                                           |                                                                                                                  |                |      |                                |
| Cave myotis bat        | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                                                        |                |      | Resident                       |
| Plains spotted skunk   | <i>Spilogale putorius interrupta</i>      | Prefers wooded, brushy areas.                                                                                    |                |      | Resident                       |
| Red wolf               | <i>Canis rufus</i>                        | Extirpated.                                                                                                      | LE             | E    | Historic Resident              |
| MOLLUSKS               |                                           |                                                                                                                  |                |      |                                |
| Creeper (squawfoot)    | <i>Strophitus undulates</i>               | Small to large streams                                                                                           |                |      | Resident                       |
| False spike mussel     | <i>Quincuncina mitchelli</i>              | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. |                | T    | Resident                       |
| Golden orb             | <i>Quadrula aurea</i>                     | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins                                                 | C              | T    | Resident                       |
| Texas pimpleback       | <i>Quadrula petrina</i>                   | Mud, gravel and sand substrates, Colorado and Guadalupe river basins                                             | C              | T    | Resident                       |
| PLANTS                 |                                           |                                                                                                                  |                |      |                                |
| Big red sage           | <i>Salvia penstemonoides</i>              | Endemic; moist to seasonally wet clay or silt soils in creek beds.                                               |                |      | Resident                       |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                | Scientific Name                       | Summary of Habitat Preference                                                  | Listing Entity |      | Potential Occurrence in County |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                                                                                | USFWS          | TPWD |                                |
| Bristle nailwort                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Paronychia setacea</i>             | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. |                |      | Resident                       |
| Elmendorf's onion                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Allium elmendorffii</i>            | Endemic, in deep sands                                                         |                |      | Resident                       |
| Green beebalm                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Monarda viridissima</i>            | Endemic perennial herb of the Carrizo Sands.                                   |                |      | Resident                       |
| <b>REPTILES</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                                                                                |                |      |                                |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                 | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                                             |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                                            |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment.                    |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                                                |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Wilson County (Updated 8/7/2012).</p> |                                       |                                                                                |                |      |                                |



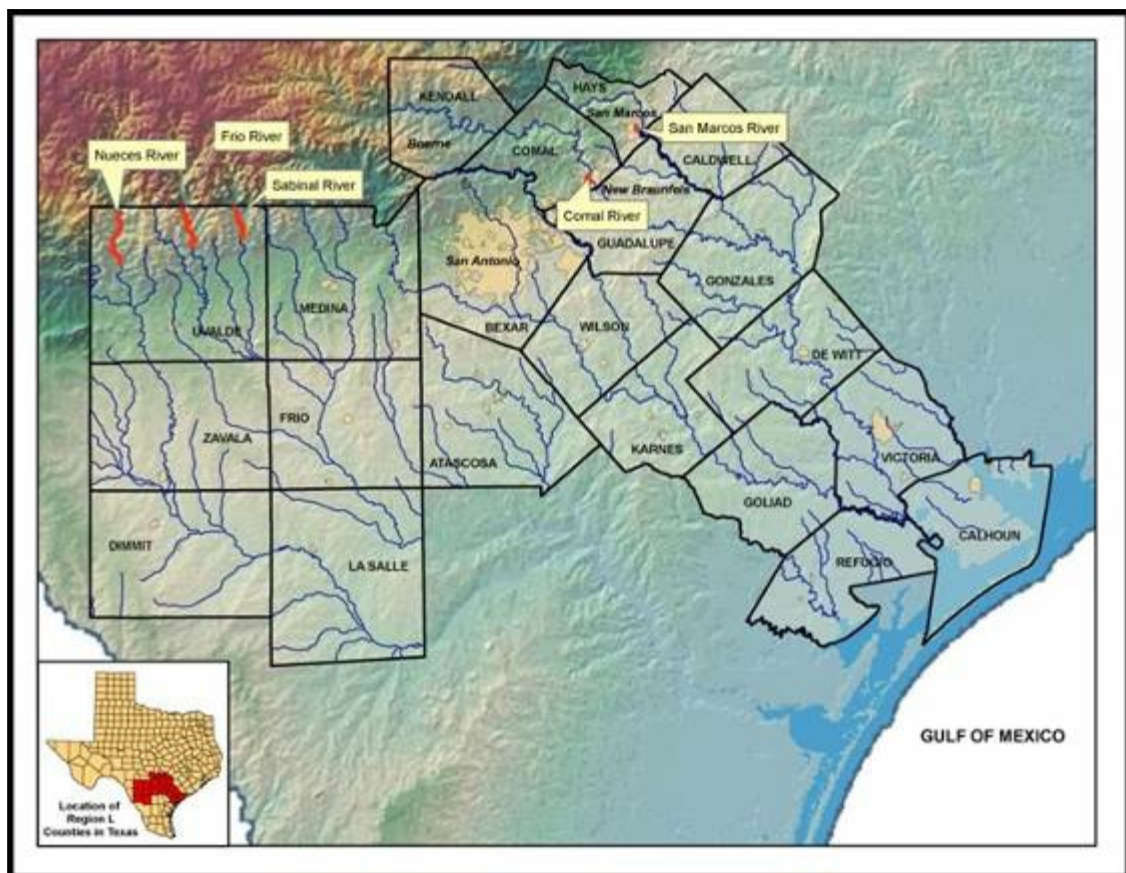
**Table G-21. Endangered, Threatened, or Species of Concern – Zavala County**

| Common Name                   | Scientific Name                           | Summary of Habitat Preference                                                      | Listing Entity |      | Potential Occurrence in County |
|-------------------------------|-------------------------------------------|------------------------------------------------------------------------------------|----------------|------|--------------------------------|
|                               |                                           |                                                                                    | USFWS          | TPWD |                                |
| BIRDS                         |                                           |                                                                                    |                |      |                                |
| Baird's Sparrow               | <i>Ammodramus bairdii</i>                 | Found in shortgrass prairie areas. Migratory in the western half of Texas.         |                |      | Possible Migrant               |
| Interior least tern           | <i>Sterna antillarum athalassos</i>       | Nests along sand and gravel bars in braided streams                                | LE             | E    | Resident                       |
| Mountain Plover               | <i>Charadrius montanus</i>                | Non-breeding, shortgrass plains and fields                                         |                |      | Possible Migrant               |
| Peregrine Falcon              | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state.                | DL             | T    | Possible Migrant               |
|                               | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state.                                                      | DL             |      | Possible Migrant               |
| Sennett's Hooded Oriole       | <i>Icterus cucullatus sennetti</i>        | This species often builds nests of Spanish moss.                                   |                |      | Resident                       |
| Sprague's Pipit               | <i>Anthus spragueii</i>                   | Only in Texas during migration and winter.                                         | C              |      | Possible Migrant               |
| Western Burrowing Owl         | <i>Athene cunicularia hypugaea</i>        | Open grasslands, especially prairie, plains and savanna                            |                |      | Resident                       |
| MAMMALS                       |                                           |                                                                                    |                |      |                                |
| Black Bear                    | <i>Ursus americanus</i>                   | Inhabits bottomland hardwoods                                                      | T/SA;NL        | T    | Historic Resident              |
| Carrizo Springs pocket gopher | <i>Geomys personatus streckeri</i>        | Uses underground burrows in deep sandy soils.                                      |                |      | Resident                       |
| Cave Myotis Bat               | <i>Myotis velifer</i>                     | Roosts colonially in caves, rock crevices                                          |                |      | Resident                       |
| Frio pocket gopher            | <i>Geomys texensis bakeri</i>             | Associated with nearly level Atco soils.                                           |                |      | Resident                       |
| Ghost-faced bat               | <i>Mormoops megalophylla</i>              | Roosts in caves, crevices and buildings                                            |                |      | Resident                       |
| Gray wolf                     | <i>Canis lupus</i>                        | Extirpated, forests, brushlands or grasslands                                      | LE             | E    | Historic resident              |
| Ocelot                        | <i>Leopardus pardalis</i>                 | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts.        | LE             | E    | Resident                       |
| White-nosed coati             | <i>Nasua narica</i>                       | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. |                | T    | Resident                       |
| PLANTS                        |                                           |                                                                                    |                |      |                                |
| Springrun whitehead           | <i>Skinnerisia rivularis</i>              | Found in shallow, slow-moving water in small streams and rivers.                   |                |      | Resident                       |
| REPTILES                      |                                           |                                                                                    |                |      |                                |

| Common Name                                                                                                                                                                                                                                                                                                                                                                                                                  | Scientific Name                       | Summary of Habitat Preference                               | Listing Entity |      | Potential Occurrence in County |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|----------------|------|--------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                                                             | USFWS          | TPWD |                                |
| Reticulate collared lizard                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Crotaphytus reticulatus</i>        | Requires open brush-grasslands; thorn-scrub vegetation.     |                | T    | Resident                       |
| Spot-tailed earless lizard                                                                                                                                                                                                                                                                                                                                                                                                   | <i>Holbrookia lacerata</i>            | Moderately open prairie-brushland.                          |                |      | Resident                       |
| Texas horned lizard                                                                                                                                                                                                                                                                                                                                                                                                          | <i>Phrynosoma cornutum</i>            | Varied, sparsely vegetated uplands.                         |                | T    | Resident                       |
| Texas indigo snake                                                                                                                                                                                                                                                                                                                                                                                                           | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. |                | T    | Resident                       |
| Texas tortoise                                                                                                                                                                                                                                                                                                                                                                                                               | <i>Gopherus berlandieri</i>           | Open brush w/ grass understory.                             |                | T    | Resident                       |
| <p>LE/LT -- Federally Listed Endangered/Threatened<br/> DL, PDL -- Federally Delisted/proposed for delisting<br/> T/SA -- Listed as Threatened by similarity of appearance<br/> E, T -- State listed Endangered/Threatened<br/> C -- Species of Concern<br/> Blank -- Not yet listed by TPWD or USFWS, but considered rare<br/> Source: TPWD, Annotated County List of Rare Species, Zavala County (Updated 12/15/2011).</p> |                                       |                                                             |                |      |                                |

# ***South Central Texas Regional Water Planning Area***

## ***Recommendation of Stream Segments Having Unique Ecological Value For Legislative Designation***



**May 2015**



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***South Central Texas Regional Water Planning Group  
Recommendation of  
Stream Segments Having Unique Ecological Value  
for Legislative Designation***

***1 Legislative Authority, Texas Water Development Board Guidance, and Recommendations***

The Texas Legislature has the authority to designate a river or stream segment as having unique ecological value. Authority for such designation is found in Texas Water Code subsection §16.051. State Water Plan: Drought, Conservation, Development, and Management; Effect of Plan. The designation of a stream segment as having unique ecological value solely means that a state agency or political subdivision of the state may not finance the actual construction of a reservoir in a specific river or stream segment designated by the legislature.

The Texas Water Development Board (TWDB) rules regarding regional water planning (Texas Administrative Code, Title 31, Part 10, Chapter 357, Rule 357.43) also address the topic of ecologically unique river and stream segments. These rules provide that regional water planning groups may include in adopted regional water plans recommendations for all or parts of any river or stream segment of unique ecological value located within their regional water planning area.

Proposals developed for the purpose of recommending river or stream segments for designation as having unique ecological value are required to address certain specific criteria for each identified segment. The recommendation of a river or stream segment as being of unique ecological value is based upon one or more of the following five criteria:

- Biological Function – stream segments which display significant overall habitat value including both quantity and quality considering the degree of biodiversity, age, and uniqueness observed and including terrestrial, wetland, aquatic, or estuarine habitats.
- Hydrologic Function – stream segments which are fringed by habitats that perform valuable hydrologic functions relating to water quality, flood attenuation, flow stabilization, or groundwater recharge and discharge.
- Riparian Conservation Areas – stream segments which are fringed by significant areas in public ownership including state and federal refuges, wildlife management areas, preserves, parks, mitigation areas, or other areas held by governmental organizations for conservation purposes, or stream segments which are fringed by other areas managed for conservation purposes under a governmentally approved conservation plan.

- High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value – stream segments or spring resources that are significant due to unique or critical habitats and exceptional aquatic life uses dependent or associated with high water quality.
- Threatened or Endangered Species/Unique Communities – sites along streams where water development projects would have significant detrimental effects on state or federally listed threatened and endangered species, and sites along streams significant due to the presence of unique, exemplary, or unusually extensive natural communities.

The South Central Texas Regional Water Planning Group (SCTRWPG) conditionally recommends to the Texas Legislature that, in accordance with Subsection 16.051 of the Texas Water Code, it designate the following five stream segments in Region L (Figure 1) as having unique ecological value:

- The Nueces River from the northern boundary of Region L downstream to United States Geological Survey (USGS) gauge #08190000 at Laguna (within Texas Commission on Environmental Quality (TCEQ) classified stream segment 2112);
- The Frio River from the northern boundary of Region L downstream to USGS gauge #08195000 at Concan (within TCEQ classified stream segment 2113);
- The Sabinal River from the northern boundary of Region L downstream to the State Highway 187 crossing located approximately 2.7 miles upstream of USGS gauge #08198000 near Sabinal (within TCEQ classified stream segment 2111);
- The San Marcos River extending from IH 35 up to a point 0.4 miles upstream of Loop 82 in San Marcos (within TCEQ classified stream segment 1814); and
- The Comal River extending from the confluence with the Guadalupe River upstream to Klingemann Street in New Braunfels (TCEQ classified stream segment 1811).

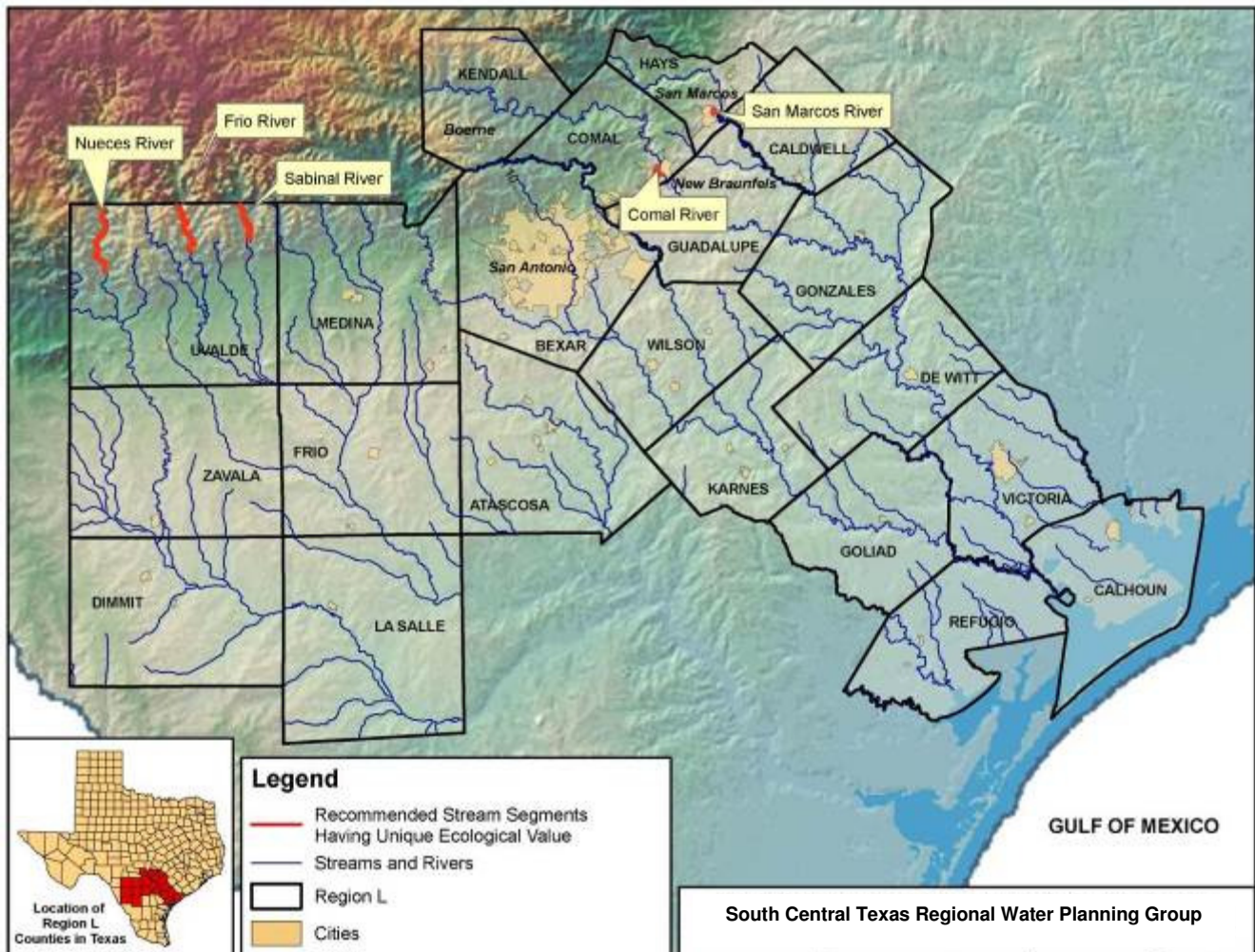
## **2 Conditions**

Because the consequences of such designations by the Legislature are not well understood, these recommendations are conditioned upon legislation providing for these designations containing the following clarifying provisions or substantially similar provisions approved by Region L:

The designation of a river or stream segment as being of unique ecological value:

- 1) Does not affect the ability of a state agency or political subdivision of the state to construct, operate, maintain, or replace a weir, a water diversion, flood control, drainage, or water supply system, a low water crossing or a recreational facility in the designated segment;
- 2) Does not prohibit the permitting, financing, construction, operation, maintenance, or replacement of any water management strategy to meet projected water supply needs recommended in, or designated as an alternative in, either the 2011 or 2016 regional water plans for Region L; and
- 3) Does not alter any existing property right of an affected landowner.





**Figure 1. Conditionally Recommended Unique Stream Segments**

### **3 Committee and Process**

On February 7, 2008, a subcommittee of the South Central Texas Regional Water Planning Group (SCTRWPG) was formed to consider the potential recommendation of selected stream segments within Region L for legislative designation as having “unique ecological value.” It was the understanding of this subcommittee that such designation “solely means that a state agency or political subdivision of the state may not finance the actual construction of a reservoir in a specific river or stream segment designated by the legislature (TWC16.051).” This subcommittee was comprised of SCTRWPG members Con Mims (Chair), Evelyn Bonavita, Donna Balin, Iliana Peña, and David Langford, with additional technical support provided by Cindy Loeffler of the Texas Parks & Wildlife Department (TPWD) and Sam Vaugh of HDR Engineering, Inc. (HDR).

Discussions among the subcommittee members and others led to initial selection of the five (5) stream segments described above for further consideration by the SCTRWPG as having unique ecological value. The subcommittee further noted that the potential recommendation of these stream segments for designation was not intended to affect the repair, rehabilitation, or replacement of existing dams and reservoirs. Subcommittee discussions, the initial selection of stream segments, and documentation of the process were reviewed by the Staff Workgroup on April 23, 2009. On May 7, 2009, the subcommittee reported the initial selection of stream segments for further consideration to the SCTRWPG. The SCTRWPG acted by consensus to pursue further consideration of the initial selection of stream segments and directed HDR to compile documentation in the form of a draft recommendation package to support designation.

Components of the draft recommendation package were reviewed with the Staff Workgroup on July 23, 2009 and discussed by the SCTRWPG on August 6, 2009 and November 5, 2009. A draft recommendation package, refined in accordance with SCTRWPG comments, was transmitted to TPWD on December 24, 2009 for their review and development of a written evaluation within 30 days of receipt. TPWD comments were received in a letter dated January 26, 2010 and the recommendation package was refined as necessary.

In accordance with TWDB guidance, the assessment of cumulative effects of regional water plan implementation in Section 7 of the 2011 South Central Texas Regional Water Plan includes information specifically relevant to the stream segments recommended for legislative designation.

Pursuant to action of the SCTRWPG in February 2010, recommendation of stream segments for legislative designation was included in the Initially Prepared 2011 South Central Texas Regional Water Plan (IPP). Pursuant to action of the SCTRWPG in August 2010 (with due consideration of relevant public comments on the IPP), recommendation of stream segments for legislative designation was included in the adopted 2011 South Central Texas Regional Water Plan approved by the TWDB. The TWDB, in turn, included the following policy recommendation in the 2012 State Water Plan:

*The legislature should designate the nine river stream segments of unique ecological value recommended in the 2011 regional water plans (Pecan Bayou, Black Cypress Creek, Black Cypress Bayou, Alamito Creek, Nueces River, Frio River, Sabinal River, Comal River, and San Marcos River) for protection under Texas Water Code, Section 16.051(f).*



Despite filing and consideration of companion bills (i.e. SB 589 and HB 3260) regarding designation of the segments recommended by the SCTRWPG and the TWDB, the 83<sup>rd</sup> Texas Legislature did not ultimately vote on the bills. Hence, the SCTRWPG acted by consensus during its meeting of November 6, 2014 to renew its recommendation of these same five stream segments having unique ecological value for designation by 84<sup>th</sup> Texas Legislature. In accordance with TWDB rules, this recommendation was submitted to the TPWD in December 2014 and TPWD responded with its written evaluation in the form of a January 2015 letter (Exhibit 6). Companion bills (i.e. HB1016 and SB1293) supporting the recommended segment designations are pending in the 84<sup>th</sup> Texas Legislature.

#### **4      *Documentation by Stream Segment***

Information used to support the criteria selected for the five segments recommended for unique ecological value designation was acquired from a number of sources. The Nueces, Frio, and Sabinal River segments recommended within Region L are listed in The Nationwide Rivers Inventory (NRI) prepared by the National Park Service (NPS, 1995). This inventory lists more than 3,400 free-flowing river segments in the United States that are believed to possess one or more "outstandingly remarkable" natural or cultural values judged to be of more than local or regional significance. All federal agencies must seek to avoid or mitigate actions that would adversely affect one or more NRI segments based on a 1979 Presidential directive, and related Council on Environmental Quality procedures. Statewide river assessments and federal agencies involved with stream-related projects use the NRI as a source of important information. The inventory can provide the location of the nearest naturally-functioning system which might serve as a reference for monitoring activities for any group concerned with ecosystem management. Restoration efforts on a similar section of river can utilize the NRI as a source for lists of plant and animal species required for restoration efforts. It also provides a listing of free-flowing, relatively undisturbed river segments for the use of recreationalists.

All of the recommended segments lie within areas contributing to or below springs emanating from the Edwards Aquifer. This aquifer is divided into three main zones: the contributing zone, the recharge zone, and the artesian zone (Eckhardt, 2009). The contributing zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs feed streams that

flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). The recharge zone includes an area where large quantities of water flow into the aquifer facilitated by the presence of highly faulted and fractured Edwards limestone outcrops at the land surface. Water from the recharge zone is then moved by gravity into the artesian zone where it is trapped by rock formations. Water stored in the aquifer creates pressure gradients that sustain artesian wells and springs within the area. Major examples of this include Comal and San Marcos Springs, the two largest in Texas.

High water quality, and high or exceptional aquatic life values, the criteria for which are specified in the Texas Surface Water Quality Standards are present in all five recommended segments. The Texas Surface Water Quality Standards establish explicit goals for the quality of streams, lakes, and bays throughout the state. These standards are developed to maintain the quality of surface waters in Texas so that these waters support public health and enjoyment and protect aquatic life, consistent with the sustainable economic development of the state.

Table 1 presents the criteria met by each of the five recommended segments of unique ecological value in Region L.

**Table 1.**  
**Criteria for Unique Ecological Value and**  
**Stream Segments Recommended for Designation in Region L**

| <i><b>Criteria</b></i>                                                                                                                                 | <i><b>Nueces River</b></i> | <i><b>Frio River</b></i> | <i><b>Sabinal River</b></i> | <i><b>San Marcos River</b></i> | <i><b>Comal River</b></i> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|-----------------------------|--------------------------------|---------------------------|
| Biological Function                                                                                                                                    | ✓                          | ✓                        | ✓                           | ✓                              | ✓                         |
| Hydrologic Function                                                                                                                                    | ✓                          | ✓                        | ✓                           | ✓                              | ✓                         |
| Riparian Conservation Areas                                                                                                                            |                            | ✓                        |                             | ✓                              | ✓                         |
| High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value                                                                           | ✓                          | ✓                        | ✓                           | ✓                              | ✓                         |
| Threatened or Endangered Species/Unique Communities                                                                                                    | ✓                          | ✓                        | ✓                           | ✓                              | ✓                         |
| ✓ Indicates criteria listed from the Texas Water Development Board Regional Water Planning Guidelines met by each segment recommended for designation. |                            |                          |                             |                                |                           |

#### **4.1 Nueces River**

The Nueces River begins in northwestern Real County and flows south, where it joins its West Fork northwest of Uvalde in Uvalde County. From this confluence the river flows south approximately 357 miles providing freshwater inflows to Nueces Bay and ultimately Corpus Christi Bay. The upper section of the Nueces River is considered to be one of the more aesthetically pleasing stream segments in the state (Belisle, 1974). The East Fork of the Nueces River rises from springs in the Edwards Plateau, and its clear water flows through scenic limestone canyons (Brune, 1981). Historically, many springs could be found along the banks of the Nueces River. However, springs are currently only found in the bottom of the river channel (Brune, 1981). Several spring-fed tributaries, most importantly the Frio River, help to ensure that some flow is present in the Nueces River, although it is often shallow (Belisle, 1974). Water in the Nueces River sinks into gravels in the river bottom as it crosses the Balcones Fault Zone and reappears through several springs in other local creeks and rivers such as Spring Creek and the Leona River (Brune, 1981).

The Edwards Plateau portion of the Nueces River has banks lined with characteristic larger trees including pecan (*Carya illinoensis*), oak (*Quercus* sp.), sycamore (*Platanus occidentalis*), and cedar-elm (*Ulmus crassifolia*). These areas give way to other species such as sagebrush (*Artemisia* sp.), mesquite (*Prosopis glandulosa*), and cacti (*Opuntia* spp.) as the river enters the South Texas Brush Country. The riparian woodlands provide important nesting, migration, and wintering habitat for a variety of birds. Green herons, spotted sandpipers, green kingfishers, turkey vultures and others live in the river corridor (NPS, 1995). River banks within this area are commonly lined with ferns, sedges, switch grass, cardinal lobelia, frog fruit, and water cress. The aquatic and riparian habitats associated with the Nueces River support a diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau.

This recommended river segment includes that portion of the Nueces River which runs from the northern boundary of Region L at the junction of the Edwards, Real, and Uvalde County borders downstream to USGS gauge # 08190000 at Laguna (within TCEQ classified stream segment 2112), a length of approximately 19 river miles (Exhibit 1).

The recommendation of this segment of the Nueces River as having unique ecological value is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable fish and wildlife values (NPS, 1995). (Photo #1 & Exhibit 1)

Hydrologic Function - Numerous springs along and within the Nueces River provide valuable hydrologic functions relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge to the Edwards Balcones Fault Zone Aquifer as it crosses the outcrop portion (Brune, 1981). The recommended segment of the Nueces River is located over the Edwards Aquifer Contributing Zone. Within this area water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau (Eckhardt, 2009). Northeast of Montell, surface flow of the river may cease as underflow continues to feed nearby Candelaria Springs, the site of an ancient Indian village and the Spanish Mission Nuestra Senora de la Candelaria (Brune, 1981). (Photo #2 & Exhibit 1)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - This segment of the Nueces River is classified in the high aquatic life use category by the Texas Commission on Environmental Quality as its attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure (TCEQ, 2000). The entire segment offers high aesthetic value. It has been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System, and is described by that organization as the "purest, cleanest stretch of stream this size in Texas" (NPS, 1995). Often canoeable, portions of this segment have numerous rapids, including geologic oddities such as "pin-ball rapids," and the banks are lined with oaks and pecans (NPS, 1995). (Photo #3 & Exhibit 1)

Threatened or Endangered Species/Unique Communities - This portion of the Nueces River is a significant segment due to the presence of one state threatened species, and several species of concern (SOC) as listed by Texas Parks and Wildlife Department (TPWD). The state threatened blue sucker (*Cycleptus elongatus*) may potentially occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Dionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. TPWD reports that the numerous springs along the Nueces River and its tributaries provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #4 & Exhibit 1).



***Photo #1 – Nueces River***



***Photo #2 – Nueces River***



***Photo #3 – Nueces River***



***Photo #4 – Nueces River***



## 4.2 Frio River

The Frio River begins in northeast Real County and flows south and southeast for about 250 miles traversing Uvalde, Medina, Frio, La Salle, McMullen, and Live Oak counties. The Frio River empties into the Nueces River, ultimately contributing freshwater inflow to Nueces and Corpus Christi Bays. Springs that form the Frio River issue from a 3,000-acre ranch north of Leakey, while numerous spring-fed tributaries contribute to its flow (Brune, 1981). The river crosses the Edwards Aquifer recharge zone in central Uvalde County where it disappears into alluvial cobbles and gravels (Brune 1981).

The river passes through limestone formed canyons lined with mesquite (*Prosopis glandulosa*), Texas red bud (*Cercis canadensis*), Ashe juniper (*Juniperus ashei*), lacey oak (*Quercus laceyi*), Texas madrone (*Arbutus xalapensis*), and cedar elm (*Ulmus crassifolia*). River banks are bounded by numerous species including bald cypress (*Taxodium distichum*), pecan (*Carya illinoensis*), sycamore (*Platanus occidentalis*), willow (*Salix nigra*), and Spanish oak (*Quercus buckleyi*) (Belisle, 1974). Considered to be one of top 10 rivers in the state, it is a very popular recreational river for canoeing, tubing, fishing, and wildlife viewing, with the majority of its recreational use occurring around Garner State Park (NPS, 1995). Many shallow rapids exist in the narrow upper section of the river; however water levels generally support recreational activities throughout much of its course (Belisle, 1974).

This segment is important to TPWD stocking experiments involving Guadalupe bass (*Micropterus treculi*) as it is downstream of areas where pure strain Guadalupe bass were stocked in large numbers in an attempt to purify existing hybrid populations (TPWD, 2005).

The aquatic and riparian habitats associated with this segment support an exceptionally diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau. The riparian woodlands also provide important nesting, migration, and wintering habitat for a variety of birds.

The recommended segment of the Frio River includes that portion of the river from the northern boundary of Region L in Uvalde County downstream to USGS gauge #08195000 at Concan, a distance of approximately 15 miles (within TCEQ classified stream segment 2113) (Exhibit 2).

The unique ecological value of this segment of the Frio River is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable wildlife value (NPS, 1995). It has also been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System (NPS, 1995). (Photo #5 & Exhibit 2)

Hydrologic Function - Numerous springs located along the Frio River provide a valuable hydrologic function relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge as it crosses the outcrop portion of the Edwards Balcones Fault Zone Aquifer (Brune, 1981). This recommended segment of the Frio River is located over the Edwards Aquifer Contributing Zone. The Contributing Zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs, feed streams that flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). Near the Uvalde/Real County line, Cold Springs discharge from the Glen Rose limestone on the east side of the Frio River. An Indian village once was located here as evidenced by middens, projectile points, and metates (Brune, 1981). (Photo #6 & Exhibit 2)

Riparian Conservation Area- This recommended segment includes the 1,419.8-acre Garner State Park (TPWD, 2005). TPWD biologists have identified approximately forty-nine species of herpetofauna, forty-four species of mammals, and over 200 species of birds with ranges that include the park (Handbook of Texas Online). The park has an abundance of White-tailed and Axis deer, Rio Grande Turkey, Mourning Dove, Eastern Bluebirds, Golden-cheeked Warblers, Black Rocks Squirrels, Fox Squirrels, Raccoons, and many other animal species (TPWD, 2005). Widespread riparian habitat found within this area provide important habitat for numerous wildlife species. (Photo #7 & Exhibit 2)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - This segment of the Frio River is listed by the Texas Commission on Environmental Quality as having exceptional aquatic life use (TCEQ, 2000). An exceptional aquatic life use classification indicates attributes including outstanding natural habitat variability, exceptional or unusual species assemblage, abundant sensitive species, exceptionally high diversity, exceptionally high species richness, and/or balanced trophic structure. This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable scenery and recreation values (NPS, 1995). (Photo #8 & Exhibit 2)

Threatened or Endangered Species/Unique Communities - This river segment is important due to the possible presence of one state threatened species, and several SOC as listed by TPWD. The state threatened blue sucker (*Cycleptus elongatus*) may potentially occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Diionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. There also exist numerous springs along the Frio River and its tributaries which TPWD reports provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #9 & Exhibit 2).





*Guadalupe Bass*  
Gary Garrett (TPWD)



*Plateau shiner*  
Chad Norris (TPWD)



*Nueces roundnose minnow*  
Chad Norris (TPWD)



*Photo #5 – Frio River*



***Photo #6 – Frio River (Cold Springs)***



***Photo #7 – Frio River (Garner State Park)***





***Photo #8 – Frio River***



***Photo #9 – Frio River***

### 4.3 Sabinal River

The spring-fed Sabinal River begins near Vanderpool in western Bandera County and flows south for approximately 58 miles into Uvalde County where it merges with the Frio River in the southeastern part of the county. The upper portion of the Sabinal River rises from the Edwards Plateau and flows through Hill Country canyons with walls up to 300 feet tall before entering the South Texas Brush Country (Belisle, 1974). Large bald cypress (*Taxodium distichum*) are interspersed along the banks of the river, along with green ash (*Fraxinus pennsylvanica*), black willow (*Salix nigra*), pecan (*Carya illinoensis*), and sycamore (*Platanus occidentalis*) among other trees. The aquatic and riparian habitats associated with this segment support a diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau.

The Sabinal River crosses both the Contributing Zone and Recharge Zone of the Edwards Aquifer in northeastern Uvalde County. Like the Nueces River, the Frio River, and other streams to the northwest, the Sabinal River loses water when crossing the Balcones Fault Zone (Brune, 1981). Some of this lost water reappears in the Sabinal River at Sabinal Springs west of the city of Sabinal (Brune, 1981). The Sabinal River was included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable values in scenery, recreation, geology, wildlife, and other values (NPS, 1995).

This segment is important to TPWD stocking experiments involving Guadalupe bass (*Micropterus treculi*) as it is downstream of areas where pure strain Guadalupe bass were stocked in large numbers in an attempt to purify existing hybrid populations (TPWD, 2005).

The segment of the Sabinal River recommended for designation as having unique ecological value includes that portion of the river from the northern boundary of Region L downstream to the State Highway 187 crossing located approximately 2.7 miles upstream of USGS gauge #08198000 near Sabinal, a distance of approximately 12 miles (within TCEQ classified stream segment 2111) (Exhibit 3).

The unique ecological value of this segment of the Sabinal River is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable wildlife values (NPS, 1995). It has also been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System (NPS, 1995). (Photo #10 & Exhibit 3)

Hydrologic Function - Numerous springs located along the Sabinal River provide a valuable hydrologic function relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge as it crosses the outcrop portion of the Edwards Balcones Fault Zone Aquifer (Brune, 1981). This recommended segment of the Sabinal River is located over the Edwards Aquifer Contributing Zone. The Contributing Zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs, feed streams that flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). Ware Springs reportedly issue from Leona gravels in a small draw east of the Sabinal River just below Utopia (Brune, 1981). (Photo #11 & Exhibit 3)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value – This segment of the Sabinal River is classified in the high aquatic life use category by the Texas Commission on Environmental Quality as its attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure (TCEQ, 2000). This segment of the Sabinal River is also included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable scenery and recreation values (NPS, 1995). (Photo #12 & Exhibit 3)

Threatened or Endangered Species/Unique Communities - This river segment is significant due to the possible presence of one state threatened species, and several SOC as listed by TPWD. The state threatened blue sucker (*Cycleptus elongatus*) may occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Dionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. TPWD reports that springs along the Sabinal River and its tributaries provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #13 & Exhibit 3).



**Photo #10 – Sabinal River**





***Photo #11 – Sabinal River***



***Photo #12 – Sabinal River***



***Photo #13 – Sabinal River***

#### **4.4 San Marcos River**

The San Marcos River is formed by several major springs in the City of San Marcos and flows for approximately 80 miles before joining the Guadalupe River southwest of Gonzales. San Marcos Springs is the second largest spring system in Texas and has historically exhibited the greatest dependability and stability of any spring system in the southwestern United States (Brune, 1981) (USFWS, 1996). The San Marcos River is rated as the number one recreational river in the state, and the number two scenic river (NPS, 1995). In addition, a segment of the river was previously recommended as a Scenic Waterway (NPS, 1995). This area is heavily used by canoeists, kayakers, and tubers (NPS, 1995).

An estimated 200 springs issue from three large fissures and numerous smaller openings in the bottom of Spring Lake located at the head of the San Marcos River (Brune, 1981). The springs receive local recharge where the Blanco River, Guadalupe River, Sink Creek, Purgatory Creek, York Creek, and Alligator Creek cross the Balcones Fault Zone, but the majority of flow comes from the Edwards Aquifer to the west-southwest (Brune, 1981).



The Upper San Marcos River contains many shallow riffles with gravel and gravel/sand substrate that alternate with deep pools containing silt substrates. Like the Comal River system, the upper San Marcos River has one of the greatest known diversities of aquatic organisms in the southwestern United States (USFWS, 1996). The unique habitats and relatively constant thermal environment provided by these spring systems support many endemic species. It is the only known location of several species, such as the San Marcos salamander (*Eurycea nana*) and Texas wild rice (*Zizania texana*) (USFWS, 1996).

The segment of the San Marcos River recommended for designation as having unique ecological value includes that portion of the river extending from IH 35 up to a point 0.4 miles upstream of Loop 82 in San Marcos, a distance of approximately two miles (part of TCEQ classified stream segment 1814) (Exhibit 4).

The unique ecological value of this segment of the San Marcos River is based upon the following criteria:

**Biological Function** - This segment of the San Marcos River contains significant overall habitat value based on the degree of biodiversity, age, and uniqueness observed in the aquatic habitat (USFWS, 1996). (Photo # 14 & Exhibit 4)

**Hydrologic Function** - This recommended segment provides valuable hydrologic functions relating to groundwater discharge of the Edwards Aquifer (Brune, 1981). In terms of average annual discharge, San Marcos Springs are the second largest in Texas. (Photo #15 & Exhibit 4)

**Riparian Conservation Area** - This recommended segment includes several city and Texas State University parks. (Photo #16 & Exhibit 4)

**High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value** - Information provided by the Texas Commission on Environmental Quality, classifies this segment as having exceptional aquatic life use attributes (TCEQ, 2000). An exceptional aquatic life use classification indicates attributes including outstanding natural habitat variability, exceptional or unusual species assemblage, abundant sensitive species, exceptionally high diversity, exceptionally high species richness, and/or balanced trophic structure. (Photo #17 & Exhibit 4)

**Threatened or Endangered Species/Unique Communities** - This segment of the San Marcos river is unique due to presence of three species which are listed as both federal and state endangered, the fountain darter (*Etheostoma fonticola*), Texas blind salamander (*Eurycea rathbuni*), and Texas wild rice (*Zizania texana*) (USFWS, 1996). Two additional species are also listed as present within this area, the San Marcos salamander (*Eurycea nana*) which is federal and state listed as threatened, and the American eel (*Anguilla rostrata*) which is considered by TPWD as a SOC (USFWS, 1996). Recently, the Comal Springs riffle beetle (*Heterelmis comalensis*), a species federally listed as endangered and a state SOC, which was once thought to only inhabit Comal Springs, was collected from spring orifices on the banks of Spring Lake at the head of the San Marcos River. (Photo #18 & Exhibit 4)



***Photo #14 – San Marcos River***



***Photo #15 – San Marcos River (Spring Lake)***





***Photo #16 – San Marcos River (Wildlife Habitat Park)***



***Photo #17 – San Marcos River***



***Photo #18 – San Marcos River***

#### **4.5 Comal River**

The Comal River is formed by the largest spring system in Texas, located about one mile northwest of New Braunfels, and flows southeast into the Guadalupe River (Brune, 1981). It is the shortest river in Texas, at only two and one half miles, and the shortest river in the U.S. carrying an equivalent amount of water (Belisle, 1974). In addition to providing municipal water supply, the Comal River supports a regional recreation and tourism industry and provides critical habitat for four federally endangered species.

Spring waters that flow up from the Edwards Aquifer create a thermally constant environment that supports one of the greatest known diversities of organisms of any aquatic ecosystem in the southwestern United States (USFWS, 1996). Because many of the plants and animals within this community depend upon the springs, most of this flora and fauna could disappear if the springs were to fail.

The Comal River, as recommended for designation as having unique ecological value, extends from the confluence with the Guadalupe River upstream to Klingemann Street in New

Braunfels, a distance of approximately three miles (TCEQ classified stream segment 1811) (Exhibit 5).

The unique ecological value of the Comal River is based upon the following criteria:

**Biological Function** - The Comal River displays significant overall habitat value in both quantity and quality considering the degree of biodiversity and uniqueness observed in the aquatic habitat (USFWS, 1996). (Photo #19 & Exhibit 5)

**Hydrologic Function** - The Comal River provides valuable hydrologic function relating to groundwater discharge of the Edwards Aquifer, as it is the largest spring system in the state (Brune, 1981). (Photo # 20 & Exhibit 5)

**Riparian Conservation Area** - Landa Park and Prince Solms Park, popular recreation areas, are adjacent to the Comal River. (Photo # 21 & Exhibit 5)

**High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value** - This segment includes the presence of unique habitats dependent on or associated with high water quality (USFWS, 1996). In addition, it is listed by the Texas Commission on Environmental Quality as having high aquatic life use attributes (TCEQ, 2000). High aquatic life use attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure. (Photo #22 & Exhibit 5)

**Threatened or Endangered Species/Unique Communities** – The Comal River provides habitat for eight species with a federal or state listing as endangered, threatened, or a SOC. The fountain darter (*Etheostoma fonticola*) and Peck's Cave amphipod (*Stygobromus peckii*) are both species which are federal and state listed as endangered. Two species, the Comal Springs riffle beetle (*Heterelmis comalensis*) and Comal Springs dryopid beetle (*Stygoparnus comalensis*) are federally listed as endangered and considered SOC by the TPWD. Three species, the Comal Springs diving beetle (*Comalodessus stygius*), Comal Springs salamander (*Eurycea* sp. 8), and Edwards Aquifer diving beetle (*Haideoporus texanus*) are considered SOC by TPWD (USFWS, 1996). (Photo #23 & Exhibit 5)





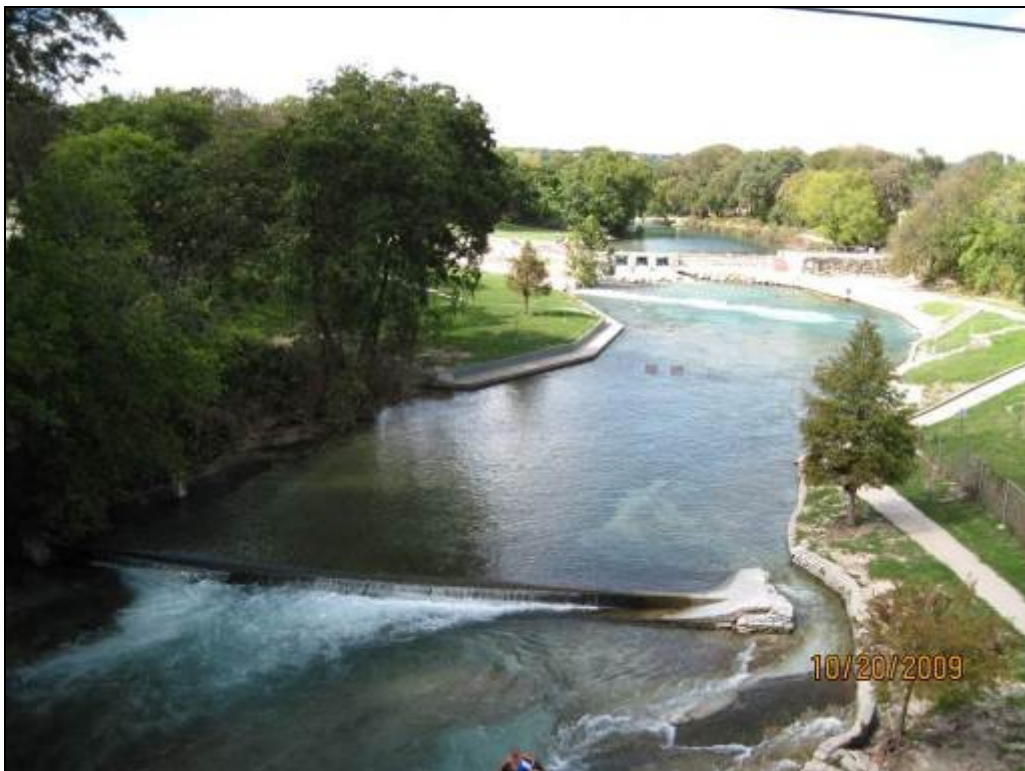
***Photo #19 – Comal River (Spring Run #1)***



***Photo #20 - Comal River (Comal Springs)***



***Photo #21 – Comal River (Landa Lake)***



***Photo #22 – Comal River***





***Photo #23 – Comal River (Spring Run #2)***



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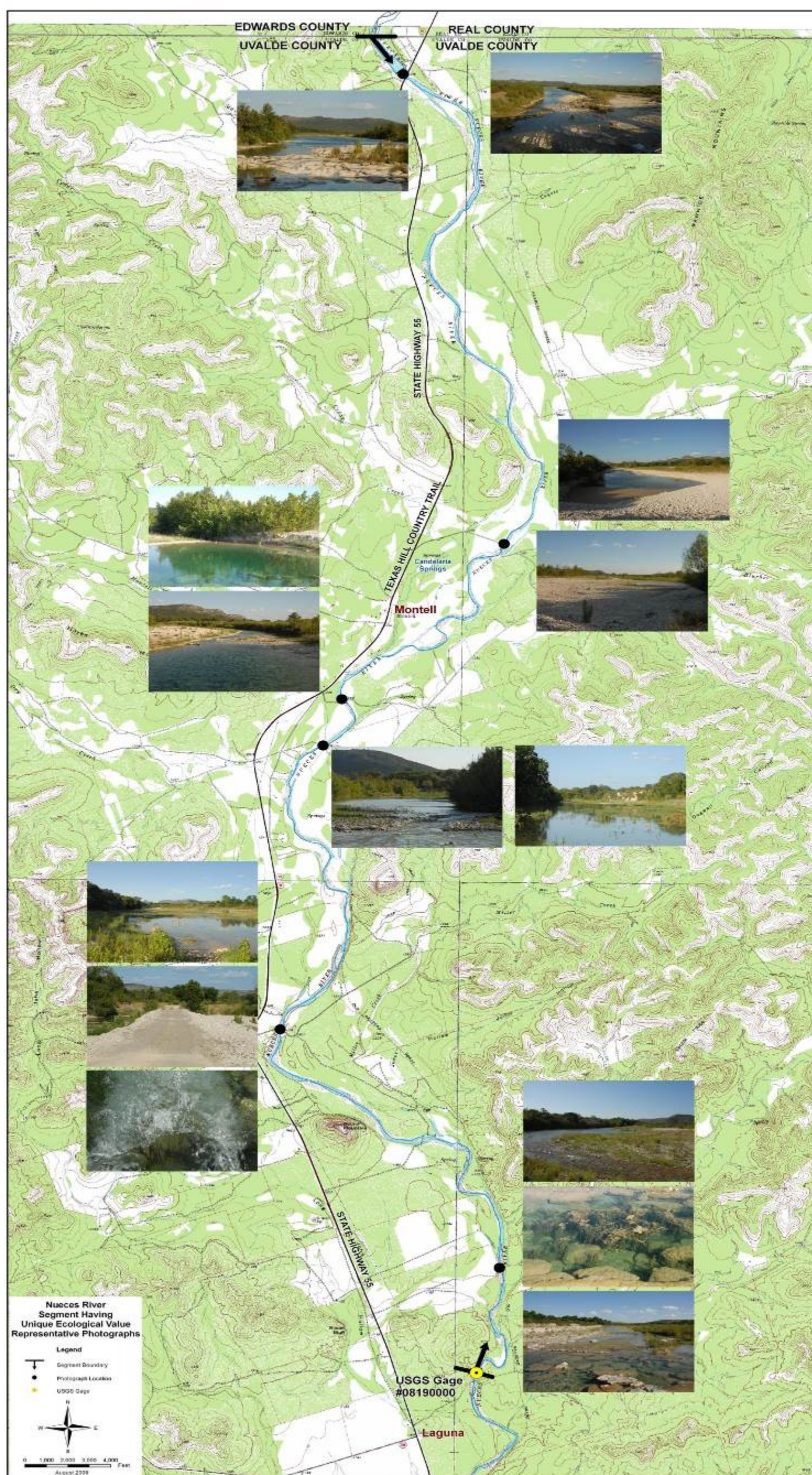
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## ***Exhibits***

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## Exhibit 1







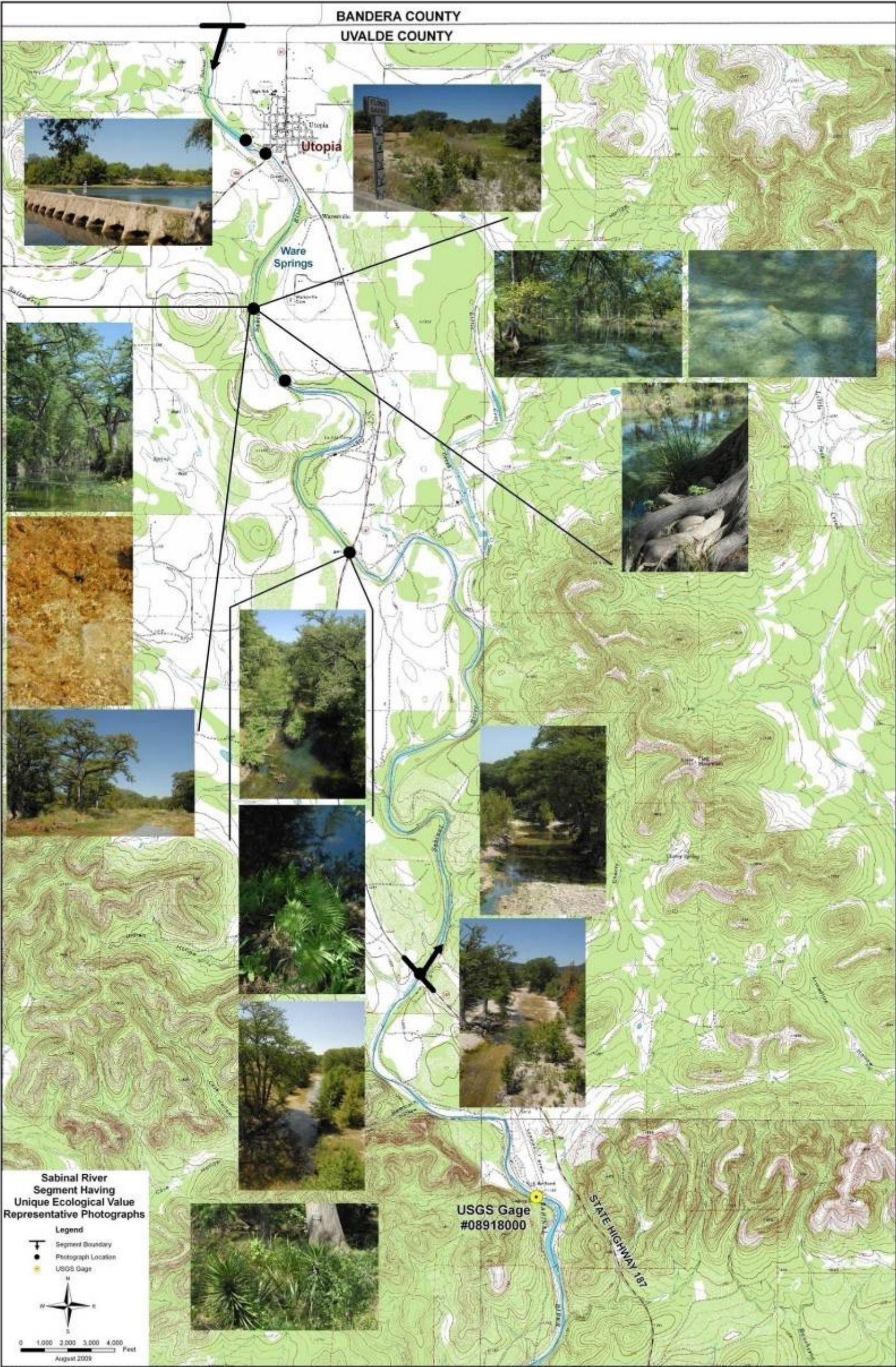
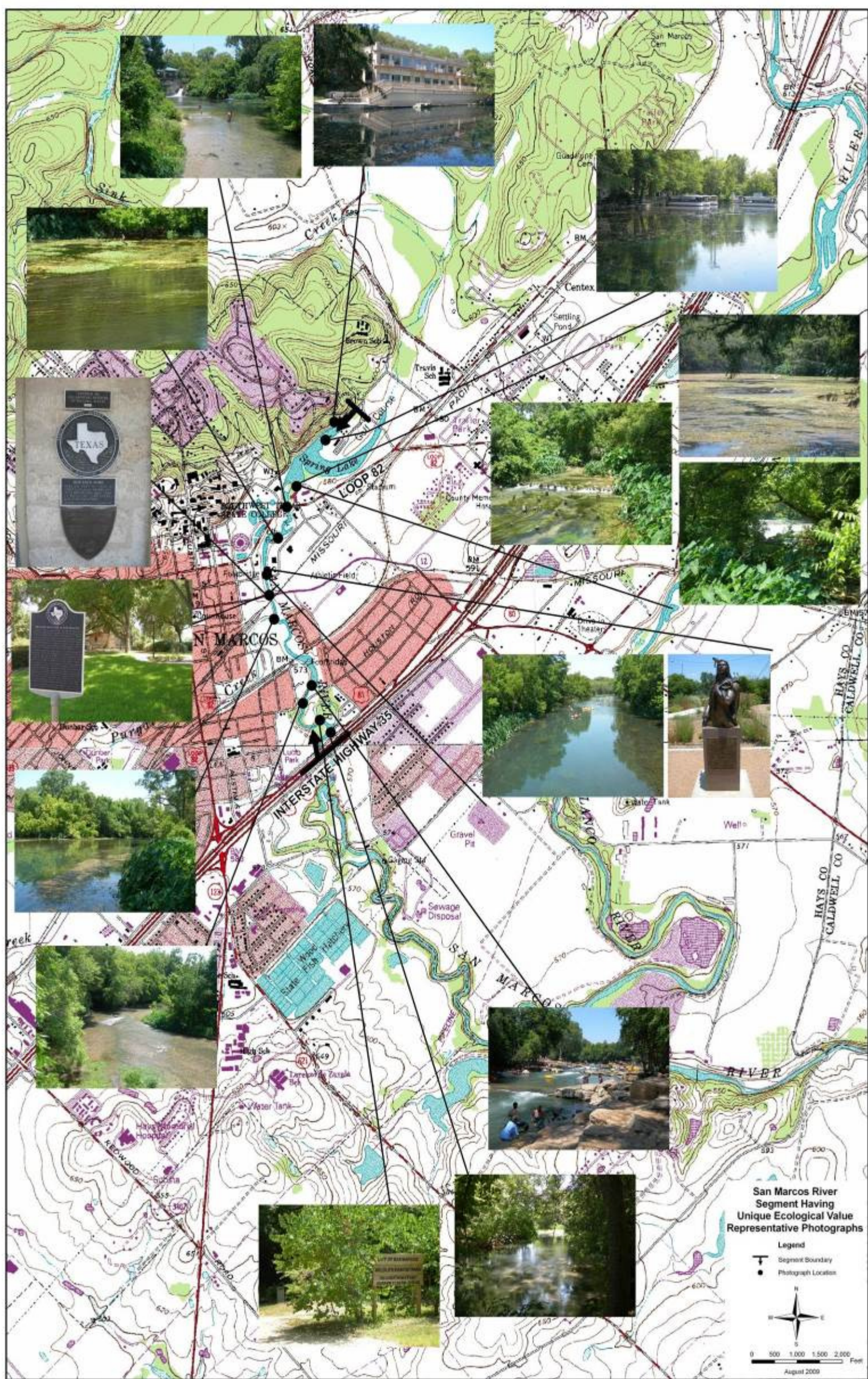


Exhibit 3





## Exhibit 4



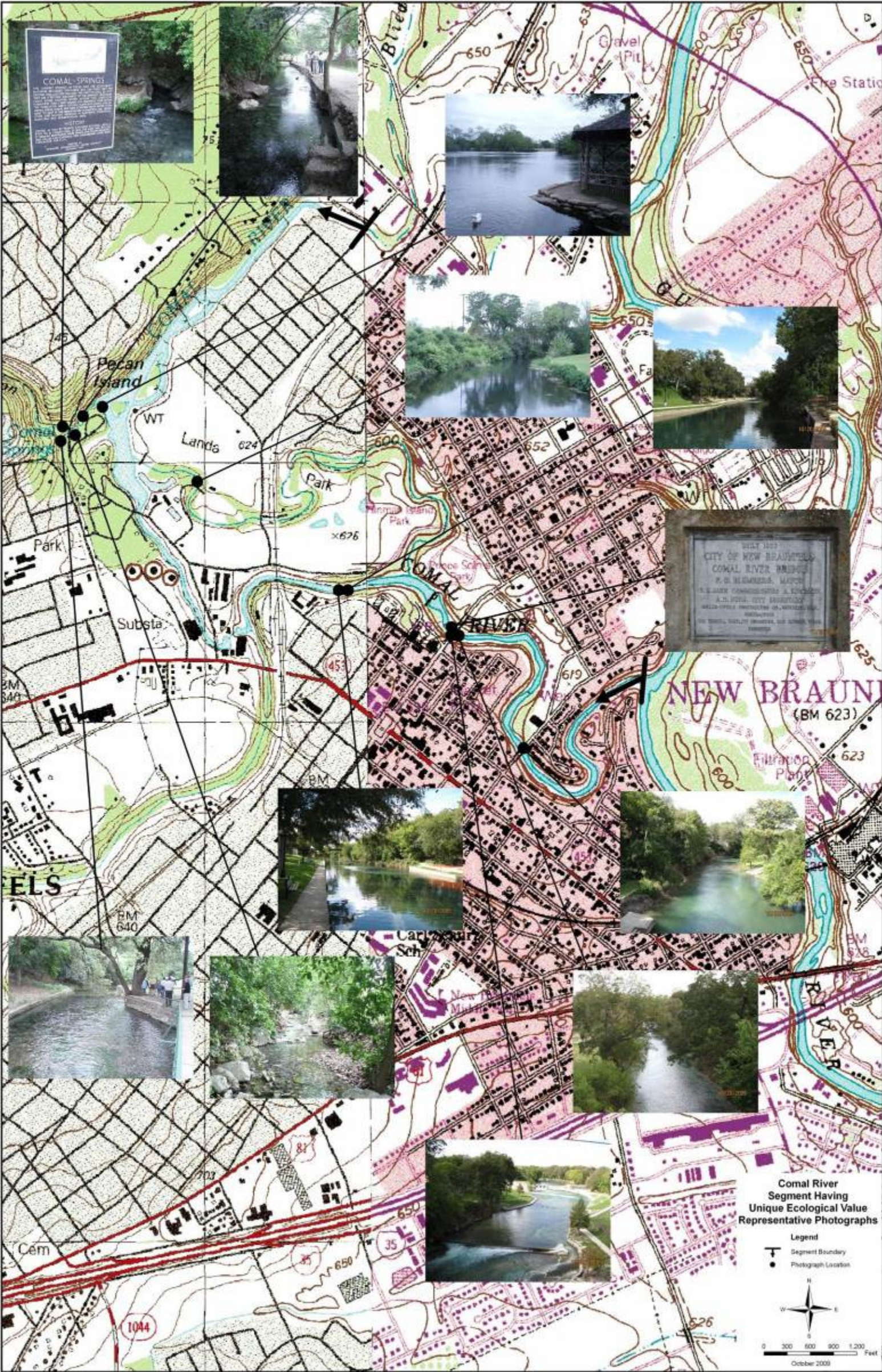


Exhibit 5





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Commissioners

Dan Allen Hughes, Jr.  
Chairman  
Beeville

Ralph H. Duggins  
Vice-Chairman  
Fort Worth

T. Dan Friedkin  
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Roberto De Hoyos  
Austin

Bill Jones  
Austin

James H. Lee  
Houston

Margaret Martin  
Boerne

S. Reed Morlan  
Houston

Dick Scott  
Wimberley

Lee M. Bass  
Chairman-Emeritus  
Fort Worth

---

Carter P. Smith  
Executive Director

January 23, 2015

Con Mims, Executive Director  
Nueces River Authority  
P.O. Box 349  
Uvalde, Texas 78802-0349

Dear Mr. Mims,

Thank you for forwarding the South Central Texas Regional Water Planning Group's consensus nomination package for stream segments having ecological value in the planning area. As per the Texas Administrative Code (TAC), TPWD staff has reviewed the package and find that it meets the requirements set out in TAC Chapter 357.43. TPWD appreciates the opportunity to review the information provided recommending designation by the Legislature as ecologically unique the five stream segments located on the Nueces, Frio, Sabinal, Comal and San Marcos Rivers. As you point out these five segments were also recommended for designation as ecologically unique by the Legislature in the 2011 Region L and 2012 State Water Plans. These segments are also included in TPWD's list of ecologically significant streams segments.

Each of these segments meet four or more of the five criteria necessary to qualify as an ecologically unique stream segment: 1) biological function, 2) hydrologic function, 3) riparian conservation area, 4) high water quality/exceptional or high aquatic life use/high aesthetic value and, 5) presence of threatened or endangered species or unique communities. The recommendation package also includes required descriptions, documentation and citations to support the selection of these segments.

Please do not hesitate to contact me if you have any questions. I can be reached at 512/389-7015 (office), 512/699-1770 (cell), or [cindy.loeffler@tpwd.texas.gov](mailto:cindy.loeffler@tpwd.texas.gov).

Sincerely,

Cindy Loeffler, P. E., Chief  
Water Resources Branch

4200 SMITH SCHOOL ROAD  
AUSTIN, TEXAS 78744-3291  
512.389.4800  
[www.tpwd.texas.gov](http://www.tpwd.texas.gov)

To manage and conserve the natural and cultural resources of Texas and to provide hunting, fishing and outdoor recreation opportunities for the use and enjoyment of present and future generations.

Exhibit 6



## **Appendix I**

### **Drought Contingency Plan Information**

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## Appendix I-1 Common Drought Response Measures

| Entity Name                      | DCP Date | Stage Number | Triggers |                       |                       |                   |        |                 |              |                        |                            |       | Responses                     |                                |                     |                     |                                                   |                |                              |                           |                  |        | Water Supplies |    |
|----------------------------------|----------|--------------|----------|-----------------------|-----------------------|-------------------|--------|-----------------|--------------|------------------------|----------------------------|-------|-------------------------------|--------------------------------|---------------------|---------------------|---------------------------------------------------|----------------|------------------------------|---------------------------|------------------|--------|----------------|----|
|                                  |          |              | WWP      | Demand/Capacity Based | Failure/Contamination | Groundwater Level | Season | Reservoir Level | Supply Based | Well Pumping Time/Flow | Storage Tank Recovery Time | Other | Assessment and Identification | Water Rate Change or Surcharge | Irrigation Schedule | Mandatory Reduction | Notification of Public Agencies or Specific Users | Prohibited Use | Discontinue Water Diversions | Potential Suspend Service | Water Allocation | Others | SW             | GW |
| Aqua WSC                         | 2015     | 1            |          | X                     |                       |                   |        |                 |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  | X      |                | X  |
|                                  |          | 2            |          | X                     |                       |                   |        |                 |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 3            |          | X                     |                       |                   |        |                 |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 4            |          | X                     |                       |                   |        |                 |              | X                      |                            |       |                               |                                |                     |                     |                                                   | X              |                              | X                         |                  |        |                |    |
| Canyon Lake WSC                  | 2013     | 1            |          | X                     |                       |                   |        | X               | X            |                        |                            | X     |                               |                                | X                   |                     |                                                   |                |                              |                           |                  | X      |                | X  |
|                                  |          | 2            |          | X                     |                       |                   |        | X               |              |                        | X                          |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        | X              |    |
|                                  |          | 3            |          | X                     | X                     |                   |        | X               |              |                        | X                          | X     |                               |                                | X                   | X                   | X                                                 | X              |                              |                           |                  |        |                |    |
| Canyon Regional Water Authority  | 2014     | 1            | X        |                       |                       |                   |        | X               |              |                        |                            |       |                               |                                |                     |                     |                                                   |                |                              |                           |                  |        |                |    |
|                                  |          | 2            | X        |                       |                       |                   |        | X               |              |                        |                            |       |                               |                                |                     |                     |                                                   |                |                              |                           |                  |        |                |    |
|                                  |          | 3            | X        |                       |                       |                   |        | X               |              |                        |                            |       |                               |                                |                     |                     |                                                   |                |                              |                           |                  |        |                |    |
|                                  |          | 4            | X        |                       | X                     |                   |        |                 |              |                        |                            | X     |                               |                                |                     |                     |                                                   |                |                              |                           |                  |        |                |    |
| City of Converse                 | 2013     | 1            | X        |                       |                       | X                 |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 2            | X        |                       |                       | X                 |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 3            | X        |                       |                       | X                 |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 4            | X        |                       |                       | X                 |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 5            | X        |                       |                       | X                 |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
| Crystal Clear SUD                | 2014     | 1            | X        | X                     | X                     |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   |                |                              | X                         |                  |        |                |    |
|                                  |          | 2            | X        | X                     | X                     |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 3            | X        | X                     | X                     |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 4            | X        | X                     | X                     |                   |        |                 |              |                        |                            |       |                               |                                |                     |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 5            | X        | X                     | X                     |                   |        |                 |              |                        |                            |       |                               |                                |                     |                     |                                                   | X              |                              | X                         |                  |        |                |    |
| City of Kyle                     | 2014     | 1            |          |                       |                       |                   | X      |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   |                |                              |                           |                  |        |                |    |
|                                  |          | 2            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        | X              |    |
|                                  |          | 3            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
| Guadalupe Blanco River Authority | 2014     | 1            |          | X                     |                       |                   |        | X               |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  | X      |                |    |
|                                  |          | 2            |          | X                     |                       |                   |        | X               |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              | X                            |                           |                  |        |                |    |
|                                  |          | 3            |          | X                     |                       |                   |        | X               |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              | X                            |                           |                  |        |                |    |
|                                  |          | 4            |          | X                     | X                     |                   |        |                 |              |                        |                            | X     | X                             |                                | X                   |                     | X                                                 | X              | X                            |                           |                  |        |                |    |
| City of Marion                   | 2014     | 1            |          |                       |                       |                   |        | X               |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                                  |          | 2            |          |                       |                       |                   |        | X               |              | X                      |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                                  |          | 3            |          |                       |                       |                   |        | X               |              | X                      |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                                  |          | 4            |          | X                     | X                     |                   |        | X               |              | X                      |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           | X                |        |                |    |
| McCoy WSC                        | 2014     | 1            |          | X                     |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   |                |                              |                           |                  | X      |                |    |
|                                  |          | 2            |          | X                     |                       |                   |        |                 |              |                        | X                          |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                                  |          | 3            | X        | X                     | X                     |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
| City of San Marcos               | 2014     | 1            |          |                       |                       | X                 |        |                 |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 2            |          |                       |                       | X                 |        |                 |              | X                      |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 3            |          |                       |                       |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | 4            |          |                       |                       |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              | X                         |                  |        |                |    |
|                                  |          | Emergency    |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                |                     |                     |                                                   |                |                              |                           |                  | X      |                |    |
| SAWS                             | 2014     | 1            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 2            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 3            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                                  |          | 4            |          | X                     |                       |                   |        |                 |              |                        |                            |       |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |

## Appendix I-1 Common Drought Response Measures Concluded

| Entity Name                | DCP Date | Stage Number | Triggers |                       |                       |                   |        |                 |              |                        |                            |       | Responses                     |                                |                     |                     |                                                   |                |                              |                           |                  |        | Water Supplies |    |
|----------------------------|----------|--------------|----------|-----------------------|-----------------------|-------------------|--------|-----------------|--------------|------------------------|----------------------------|-------|-------------------------------|--------------------------------|---------------------|---------------------|---------------------------------------------------|----------------|------------------------------|---------------------------|------------------|--------|----------------|----|
|                            |          |              | WWP      | Demand/Capacity Based | Failure/Contamination | Groundwater Level | Season | Reservoir Level | Supply Based | Well Pumping Time/Flow | Storage Tank Recovery Time | Other | Assessment and Identification | Water Rate Change or Surcharge | Irrigation Schedule | Mandatory Reduction | Notification of Public Agencies or Specific Users | Prohibited Use | Discontinue Water Diversions | Potential Suspend Service | Water Allocation | Others | SW             | GW |
| City of Schertz            | 2014     | 1            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                            |          | 2            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 4            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                |                     |                     |                                                   | X              |                              |                           |                  |        |                |    |
| S. S. WSC                  | 2014     | 1            |          | X                     |                       |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   |                |                              |                           |                  |        |                |    |
|                            |          | 2            |          | X                     |                       |                   |        | X               |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          | X                     |                       |                   |        | X               |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 4            |          | X                     |                       |                   |        | X               |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
| The Oaks WSC               | 2012     | 5            |          |                       | X                     |                   |        |                 |              |                        |                            |       |                               |                                |                     |                     |                                                   | X              |                              | X                         |                  | X      |                |    |
|                            |          | 1            |          |                       |                       | X                 |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 2            |          |                       |                       | X                 |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          |                       |                       | X                 |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 4            |          |                       |                       | X                 |        |                 |              |                        |                            | X     |                               | X                              | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
| Universal City             | 2014     | Emergency    |          |                       | X                     |                   |        |                 |              |                        |                            | X     |                               | X                              |                     |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 1            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                            |          | 2            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          |                       |                       | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 4            |          |                       | X                     | X                 |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
| City of Victoria           | 2014     | 1            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  | X      |                |    |
|                            |          | 2            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          |                       |                       |                   |        | X               |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        | X              |    |
|                            |          | 4            |          |                       |                       |                   |        | X               |              |                        |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                            |          | 5            |          |                       | X                     | X                 |        |                 |              |                        |                            | X     |                               |                                |                     |                     | X                                                 | X              |                              |                           |                  |        |                |    |
| Victoria County WCID No. 1 | 2014     | 1            |          |                       |                       |                   | X      |                 |              |                        |                            |       |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                            |          | 2            |          |                       |                       |                   |        |                 |              |                        |                            | X     |                               |                                | X                   |                     | X                                                 | X              |                              |                           |                  |        |                |    |
|                            |          | 3            |          |                       | X                     |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | 4            |          |                       | X                     |                   |        |                 |              |                        |                            |       |                               |                                | X                   |                     |                                                   | X              |                              |                           |                  | X      |                |    |
|                            |          | Emergency    |          | X                     |                       |                   |        |                 |              |                        |                            |       |                               |                                |                     |                     |                                                   | X              |                              |                           |                  |        |                |    |
|                            |          | Allocation   |          |                       | X                     |                   |        |                 |              |                        |                            |       |                               | X                              |                     |                     |                                                   | X              |                              |                           | X                |        |                |    |

## I-2 TCEQ Drought Contingency Plan Model for Wholesale Water Providers



# Drought Contingency Plan for a Wholesale Public Water Supplier

Texas Commission on Environmental Quality

**Instructions:** The following form is a model of a drought contingency plan for a wholesale public water supplier. Not all items may apply to your system's situation. This form is supplied for your convenience, but you are not required to use this form to submit your plan to the TCEQ. Submit completed plans to: Water Availability Division MC 160, TCEQ, P.O. Box 13087, Austin TX 78711-3087. If you have any questions on how to fill out this form, please contact the Resource Protection Team at 512/239-4691.

---

(Name of Utility)

---

(Address, City, Zip Code)

---

(CCN#)

---

(PWS #s)

---

(Date)

## **Section I: Declaration of Policy, Purpose, and Intent**

In order to conserve the available water supply and/or to protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the \_\_\_\_\_ (name of your water supplier) adopts the following Drought Contingency Plan (the Plan).

## **Section II: Public Involvement**

Opportunity for the public and wholesale water customers to provide input into the preparation of the Plan was provided by \_\_\_\_\_ (name of your water supplier) by means of \_\_\_\_\_ (describe methods used to inform the public and wholesale customers about the preparation of the plan and opportunities for input; for example, scheduling and providing public notice of a public meeting to accept input on the Plan).

## **Section III: Wholesale Water Customer Education**

The \_\_\_\_\_ (name of your water supplier) will periodically provide wholesale water customers with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of \_\_\_\_\_ (e.g., describe methods to be used to provide customers with information about the Plan; for example, providing a copy of the Plan or periodically including information about the Plan with invoices for water sales).

## **Section IV: Coordination with Regional Water Planning Groups**

The water service area of the \_\_\_\_\_ (name of your water supplier) is located within the \_\_\_\_\_ (name of regional water planning area or areas) and the \_\_\_\_\_ (name of your water supplier) has provided a copy of the Plan to the \_\_\_\_\_ (name of your regional water planning group or groups).

## **Section V: Authorization**

The \_\_\_\_\_ (designated official; for example, the general manager or executive director), or his/her designee, is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The \_\_\_\_\_, or his/her designee, shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

## **Section VI: Application**

The provisions of this Plan shall apply to all customers utilizing water provided by the \_\_\_\_\_ (name of your water supplier). The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.





## Section VII: Criteria for Initiation and Termination of Drought Response Stages

The \_\_\_\_\_ (designated official), or his/her designee, shall monitor water supply and/or demand conditions on a (e.g., weekly, monthly) basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Customer notification of the initiation or termination of drought response stages will be made by mail or telephone. The news media will also be informed.

The triggering criteria described below are based on:

\_\_\_\_\_ (provide a brief description of the rationale for the triggering criteria; for example, triggering criteria are based on a statistical analysis of the vulnerability of the water source under drought of record conditions).

### Stage 1 Triggers -- MILD Water Shortage Conditions

Requirements for initiation – The \_\_\_\_\_ (name of your water supplier) will recognize that a mild water shortage condition exists when \_\_\_\_\_ (describe triggering criteria, see examples below).

***Below are examples of the types of triggering criteria that might be used in a wholesale water supplier's drought contingency plan. One or a combination of such criteria may be defined for each drought response stage:***

***Example 1: Water in storage in the \_\_\_\_\_ (name of reservoir) is equal to or less than \_\_\_\_\_ (acre-feet and/or percentage of storage capacity).***

***Example 2: When the combined storage in the \_\_\_\_\_ (name of reservoirs) is equal to or less than \_\_\_\_\_ (acre-feet and/or percentage of storage capacity).***

***Example 3: Flows as measured by the U.S. Geological Survey gage on the \_\_\_\_\_ (name of river) near \_\_\_\_\_, Texas reaches \_\_\_\_\_ cubic feet per second (cfs).***

***Example 4: When total daily water demand equals or exceeds \_\_\_\_\_ million gallons for \_\_\_\_\_ consecutive days or \_\_\_\_\_ million gallons on a single day.***

***Example 5: When total daily water demand equals or exceeds \_\_\_\_\_ percent of the safe operating capacity of \_\_\_\_\_ million gallons per day for \_\_\_\_\_ consecutive days or \_\_\_\_\_ percent on a single day.***

Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_\_ (e.g., 30) consecutive days. The \_\_\_\_\_ (name of water supplier) will notify its wholesale customers and the media of the termination of Stage 1.

### Stage 2 Triggers -- MODERATE Water Shortage Conditions

Requirements for initiation – The \_\_\_\_\_ (name of your water supplier) will recognize that a moderate water shortage condition exists when \_\_\_\_\_ (describe triggering criteria).

Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (e.g., 30) consecutive days.

Upon termination of Stage 2, Stage 1 becomes operative. The \_\_\_\_\_ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 2.

### **Stage 3 Triggers -- SEVERE Water Shortage Conditions**

Requirements for initiation – The \_\_\_\_\_ (name of your water supplier) will recognize that a severe water shortage condition exists when \_\_\_\_\_ (describe triggering criteria; see examples in Stage 1).

Requirements for termination - Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (e.g., 30) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative. The \_\_\_\_\_ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 3.

### **Stage 4 Triggers -- CRITICAL Water Shortage Conditions**

Requirements for initiation - The \_\_\_\_\_ (name of your water supplier) will recognize that an emergency water shortage condition exists when \_\_\_\_\_ (describe triggering criteria; see examples below).

**Example 1.**      *Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; or*

**Example 2.**      *Natural or man-made contamination of the water supply source(s).*

Requirements for termination - Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (e.g., 30) consecutive days. The \_\_\_\_\_ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 4.

## **Section VIII: Drought Response Stages**

The \_\_\_\_\_ (designated official), or his/her designee, shall monitor water supply and/or demand conditions and, in accordance with the triggering criteria set forth in Section VII, shall determine that mild, moderate, or severe water shortage conditions exist or that an emergency condition exists and shall implement the following actions:

### **Stage 1 Response -- MILD Water Shortage Conditions**

Target: Achieve a voluntary \_\_\_\_ percent reduction in \_\_\_\_\_ (e.g., total water use, daily water demand, etc.).

Best Management Practices for Supply Management:



*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for nonpotable purposes.*

**Water Use Restrictions for Reducing Demand:**

- (a) The \_\_\_\_\_ (designated official), or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate voluntary measures to reduce water use (e.g., implement Stage 1 or appropriate stage of the customer's drought contingency plan).
- (b) The \_\_\_\_\_ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

**Stage 2 Response -- MODERATE Water Shortage Conditions**

**Target: Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (e.g., total water use, daily water demand, etc.).**

**Best Management Practices for Supply Management:**

*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for non-potable purposes.*

**Water Use Restrictions for Reducing Demand:**

- (a) The \_\_\_\_\_ (designated official), or his/her designee(s), will request wholesale water customers to initiate mandatory measures to reduce non-essential water use (e.g., implement Stage 2 or appropriate stage of the customer's drought contingency plan).
- (b) The \_\_\_\_\_ (designated official), or his/her designee(s), will initiate weekly contact with wholesale water customers to discuss water supply and/or demand conditions and the possibility of pro rata curtailment of water diversions and/or deliveries.
- (c) The \_\_\_\_\_ (designated official), or his/her designee(s), will further prepare for the implementation of pro rata curtailment of water diversions and/or deliveries by preparing a monthly water usage allocation baseline for each wholesale customer.
- (d) The \_\_\_\_\_ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

**Stage 3 Response -- SEVERE Water Shortage Conditions**

**Target: Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (e.g., total water use, daily water demand, etc.).**

### **Best Management Practices for Supply Management:**

*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for non-potable purposes.*

### **Water Use Restrictions for Reducing Demand:**

- (a) The \_\_\_\_\_ (designated official), or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate additional mandatory measures to reduce non-essential water use (e.g., implement Stage 3 or appropriate stage of the customer's drought contingency plan).
- (b) The \_\_\_\_\_ (designated official), or his/her designee(s), will initiate pro rata curtailment of water diversions and/or deliveries for each wholesale customer.
- (c) The \_\_\_\_\_ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

### **Stage 4 Response -- EMERGENCY Water Shortage Conditions**

Whenever emergency water shortage conditions exist as defined in Section VII of the Plan, the \_\_\_\_\_ (designated official) shall:

1. Assess the severity of the problem and identify the actions needed and time required to solve the problem.
2. Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems (e.g., notification of the public to reduce water use until service is restored).
3. If appropriate, notify city, county, and/or state emergency response officials for assistance.
4. Undertake necessary actions, including repairs and/or clean-up as needed.
5. Prepare a post-event assessment report on the incident and critique of emergency response procedures and actions.

### **Section IX: Pro Rata Water Allocation**

In the event that the triggering criteria specified in Section VII of the Plan for Stage 3 – Severe Water Shortage Conditions have been met, the \_\_\_\_\_ (designated official) is hereby authorized initiate allocation of water supplies on a pro rata basis in accordance with Texas Water Code, §11.039.



## **Section X: Contract Provisions**

The \_\_\_\_\_ (name of your water supplier) will include a provision in every wholesale water contract entered into or renewed after adoption of the plan, including contract extensions, that in case of a shortage of water resulting from drought, the water to be distributed shall be divided in accordance with Texas Water Code, §11.039.

## **Section XI: Enforcement**

### **Example of surcharge:**

During any period when either mandatory water use restrictions or pro rata allocation of available water supplies are in effect, wholesale customers shall pay the following surcharges on excess water diversions and/or deliveries:

\_\_\_\_\_ times the normal water charge per acre-foot for water diversions and/or deliveries in excess of the monthly allocation from \_\_\_\_ percent through \_\_\_\_ percent above the monthly allocation.

### **Examples of fines and/or discontinuation of service:**

Mandatory water use restrictions or pro rata allocation of available water supplies may be imposed during drought stages and emergency water management actions. These water use restrictions will be enforced by warnings and penalties as follows:

- On the first violation, customers will be notified by written notice that they have violated the mandatory water use restriction.
- If the first violation has not been corrected after ten (10) days from the written notice, \_\_\_\_\_ (name of your water supplier) may assess a fine up to \$\_\_\_\_\_ per violation.
- \_\_\_\_\_ (name of your water supplier) may install a flow restricting device in the line to limit the amount of water which will pass through the meter in a 24-hour period. The utility may charge the customer for the actual cost of installing and removing the flow restricting device, not to exceed fifty dollars (\$50.00);
- \_\_\_\_\_ (name of your water supplier) maintains the right, at any violation or action level, to disconnect irrigation systems and/or suspend water services to a customer for public safety issues with reconnection fees and possible citations.
- Subsequent violations of the plan shall result in increased fines or upon the occurrence of \_\_\_\_\_ violations, after notice, the discontinuation of services. Services discontinued under this provision shall be restored only upon payment of a reconnection fee and any other costs incurred by the utility in discontinuing service.

## **Section XII: Variances**

The \_\_\_\_\_ (designated official), or his/her designee, may, in writing, grant a temporary variance to the pro rata water allocation policies provided by this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the public health, welfare, or safety and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the \_\_\_\_\_ (designated official) within 5 days after pro rata allocation has been invoked. All petitions for variances shall be reviewed by the \_\_\_\_\_ (governing body), and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Detailed statement with supporting data and information as to how the pro rata allocation of water under the policies and procedures established in the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (c) Description of the relief requested.
- (d) Period of time for which the variance is sought.
- (e) Alternative measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (f) Other pertinent information.

Variances granted by the \_\_\_\_\_ (governing body) shall be subject to the following conditions, unless waived or modified by the \_\_\_\_\_ (governing body) or its designee:

- (a) Variances granted shall include a timetable for compliance.
- (b) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

### **Section XIII: Severability**

It is hereby declared to be the intention of the \_\_\_\_\_ (governing body of your water supplier) that the sections, paragraphs, sentences, clauses, and phrases of this Plan are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the \_\_\_\_\_ (governing body of your water supplier) without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

### I-3 TCEQ Drought Contingency Plan Model for Retail Water Providers



## **Drought Contingency Plan for a Retail Public Water Supplier**

Texas Commission on Environmental Quality

Instructions: The following form is a model of a drought contingency plan for a retail public water supplier. Not all items may apply to your system's situation. This form is supplied for your convenience, but you are not required to use this form to submit your plan to the TCEQ. Submit completed plans to: Water Supply Division MC 160, TCEQ, P.O. Box 13087, Austin TX 78711-3087.

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**(Name of Utility)**

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**(Address, City, Zip Code)**

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**(CCN#)**

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**(PWS #s)**

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**(Date)**

## **Section I: Declaration of Policy, Purpose, and Intent**

In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the \_\_\_\_\_ (name of your water supplier) hereby adopts the following regulations and restrictions on the delivery and consumption of water through an ordinance/or resolution (see Appendix C for an example).

Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section XI of this Plan.

## **Section II: Public Involvement**

Opportunity for the public to provide input into the preparation of the Plan was provided by the \_\_\_\_\_ (name of your water supplier) by means of \_\_\_\_\_ (describe methods used to inform the public about the preparation of the plan and provide opportunities for input; for example, scheduling and providing public notice of a public meeting to accept input on the Plan).

## **Section III: Public Education**

The \_\_\_\_\_ (name of your water supplier) will periodically provide the public with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of \_\_\_\_\_ (describe methods to be used to provide information to the public about the Plan; for example, public events, press releases or utility bill inserts).

## **Section IV: Coordination with Regional Water Planning Groups**

The service area of the \_\_\_\_\_ (name of your water supplier) is located within the \_\_\_\_\_ (name of regional water planning area or areas) and \_\_\_\_\_ (name of your water supplier) has provided a copy of this Plan to the \_\_\_\_\_ (name of your regional water planning group or groups).

## **Section V: Authorization**

The \_\_\_\_\_ (designated official; for example, the mayor, city manager, utility director, general manager, etc.), or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The \_\_\_\_\_, (designated official) or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

## **Section VI: Application**

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the \_\_\_\_\_ (name of your water supplier). The terms person and customer as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

## **Section VII: Definitions**

For the purposes of this Plan, the following definitions shall apply:

Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.





Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using water supplied by \_\_\_\_\_ (name of your water supplier).

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- (d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

## **Section VIII: Criteria for Initiation and Termination of Drought Response Stages**

The \_\_\_\_\_ (designated official) or his/her designee shall monitor water supply and/or demand conditions on a \_\_\_\_\_ (example: daily, weekly, monthly) basis and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified triggers are reached.

The triggering criteria described below are based on \_\_\_\_\_

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(provide a brief description of the rationale for the triggering criteria; for example, triggering criteria / trigger levels based on a statistical analysis of the vulnerability of the water source under drought of record conditions, or based on known system capacity limits).

## Stage 1 Triggers -- MILD Water Shortage Conditions

### Requirements for initiation

Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, defined in Section VII Definitions, when

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(Describe triggering criteria / trigger levels; see examples below).

*Following are examples of the types of triggering criteria that might be used in one or more successive stages of a drought contingency plan. One or a combination of such criteria must be defined for each drought response stage, but usually not all will apply. Select those appropriate to your system:*

*Example 1: Annually, beginning on May 1 through September 30.*

*Example 2: When the water supply available to the \_\_\_\_\_ (name of your water supplier) is equal to or less than \_\_\_\_\_ (acre-feet, percentage of storage, etc.).*

*Example 3: When, pursuant to requirements specified in the \_\_\_\_\_ (name of **your** water supplier) wholesale water purchase contract with \_\_\_\_\_ (name of your wholesale water supplier), notification is received requesting initiation of Stage 1 of the Drought Contingency Plan.*

*Example 4: When flows in the \_\_\_\_\_ (name of stream or river) are equal to or less than \_\_\_\_\_ cubic feet per second.*

*Example 5: When the static water level in the \_\_\_\_\_ (name of your water supplier) well(s) is equal to or less than \_\_\_\_\_ feet above/below mean sea level.*

*Example 6: When the specific capacity of the \_\_\_\_\_ (name of your water supplier) well(s) is equal to or less than \_\_\_\_\_ percent of the well's original specific capacity.*

*Example 7: When total daily water demand equals or exceeds \_\_\_\_\_ million gallons for \_\_\_\_\_ consecutive days of \_\_\_\_\_ million gallons on a single day (example: based on the safe operating capacity of water supply facilities).*

*Example 8: Continually falling treated water reservoir levels which do not refill above \_\_\_\_\_ percent overnight (example: based on an evaluation of minimum treated water storage required to avoid system outage).*

*The public water supplier may devise other triggering criteria which are tailored to its system.*

### Requirements for termination

Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (e.g. 3) consecutive days.

## Stage 2 Triggers -- MODERATE Water Shortage Conditions

### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when \_\_\_\_\_ (describe triggering criteria; see examples in Stage 1).

### Requirements for termination

Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (example: 3) consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

### **Stage 3 Triggers SEVERE Water Shortage Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 3 of this Plan when \_\_\_\_ (*describe triggering criteria; see examples in Stage 1*).

#### Requirements for termination

Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (example: 3) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.

### **Stage 4 Triggers -- CRITICAL Water Shortage Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 4 of this Plan when \_\_\_\_ (*describe triggering criteria; see examples in Stage 1*).

#### Requirements for termination

Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (example: 3) consecutive days. Upon termination of Stage 4, Stage 3 becomes operative.

### **Stage 5 Triggers -- EMERGENCY Water Shortage Conditions**

#### Requirements for initiation

Customers shall be required to comply with the requirements and restrictions for Stage 5 of this Plan when \_\_\_\_ (designated official), or his/her designee, determines that a water supply emergency exists based on:

1. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; **or**
2. Natural or man-made contamination of the water supply source(s).

#### Requirements for termination

Stage 5 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (example: 3) consecutive days.

### **Stage 6 Triggers -- WATER ALLOCATION**

#### Requirements for initiation

Customers shall be required to comply with the water allocation plan prescribed in Section IX of this Plan and comply with the requirements and restrictions for Stage 5 of this Plan when \_\_\_\_ (*describe triggering criteria, see examples in Stage 1*).

Requirements for termination - Water allocation may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of \_\_\_\_ (example: 3) consecutive days.

*Note: The inclusion of WATER ALLOCATION as part of a drought contingency plan may not be required in all cases. For example, for a given water supplier, an analysis of water supply availability under drought of record conditions may indicate that there is essentially no risk of water supply shortage. Hence, a drought contingency plan for such*

*a water supplier might only address facility capacity limitations and emergency conditions (example: supply source contamination and system capacity limitations).*

## **Section IX: Drought Response Stages**

The \_\_\_\_\_ (designated official), or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section VIII of this Plan, shall determine that a mild, moderate, severe, critical, emergency or water shortage condition exists and shall implement the following notification procedures:

### **Notification**

#### **Notification of the Public:**

The \_\_\_\_\_ (designated official) or his/ her designee shall notify the public by means of:

#### *Examples:*

*publication in a newspaper of general circulation,  
direct mail to each customer,  
public service announcements,  
signs posted in public places  
take-home fliers at schools.*

#### **Additional Notification:**

The \_\_\_\_\_ (designated official) or his/ her designee shall notify directly, or cause to be notified directly, the following individuals and entities:

#### *Examples:*

*Mayor / Chairman and members of the City Council / Utility Board  
Fire Chief(s)  
City and/or County Emergency Management Coordinator(s)  
County Judge & Commissioner(s)  
State Disaster District / Department of Public Safety  
TCEQ (required when mandatory restrictions are imposed)  
Major water users  
Critical water users, i.e. hospitals  
Parks / street superintendents & public facilities managers*

*Note: The plan should specify direct notice only as appropriate to respective drought stages.*

## **Stage 1 Response -- MILD Water Shortage Conditions**

**Target:** Achieve a voluntary \_\_\_\_ percent reduction in \_\_\_\_\_(example: total water use, daily water demand, etc.).

#### **Best Management Practices for Supply Management:**

*Describe additional measures, if any, to be implemented directly by (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, activation and use of an alternative supply source(s); use of reclaimed water for non-potable purposes.*

#### **Voluntary Water Use Restrictions for Reducing Demand :**

- (a) Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only

between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.

- (b) All operations of the \_\_\_\_\_ (name of your water supplier) shall adhere to water use restrictions prescribed for Stage 2 of the Plan.
- (c) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

## Stage 2 Response -- MODERATE Water Shortage Conditions

**Target:** Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.*

Water Use Restrictions for Demand Reduction:

Under threat of penalty for violation, the following water use restrictions shall apply to all persons:

- (a) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at anytime if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.
- (c) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) Use of water from hydrants shall be limited to fire fighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the \_\_\_\_\_ (name of your water supplier).

- (f) Use of water for the irrigation of golf course greens, tees, and fairways is prohibited except on designated watering days between the hours 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight. However, if the golf course utilizes a water source other than that provided by the \_\_\_\_\_ (name of your water supplier), the facility shall not be subject to these regulations.
- (g) All restaurants are prohibited from serving water to patrons except upon request of the patron.
- (h) The following uses of water are defined as non-essential and are prohibited:
1. wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
  2. use of water to wash down buildings or structures for purposes other than immediate fire protection;
  3. use of water for dust control;
  4. flushing gutters or permitting water to run or accumulate in any gutter or street; and
  5. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

### Stage 3 Response -- SEVERE Water Shortage Conditions

**Target:** Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.*

Water Use Restrictions for Demand Reduction:

All requirements of Stage 2 shall remain in effect during Stage 3 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.
- (b) The watering of golf course tees is prohibited unless the golf course utilizes a water source other than that provided by the \_\_\_\_\_ (name of your water supplier).
- (c) The use of water for construction purposes from designated fire hydrants under special permit is to be discontinued.

### Stage 4 Response -- CRITICAL Water Shortage Conditions

**Target:** Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:



*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.*

**Water Use Restrictions for Reducing Demand:** All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 6:00 a.m. and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, or drip irrigation only. The use of hose-end sprinklers or permanently installed automatic sprinkler systems are prohibited at all times.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited. Further, such vehicle washing at commercial car washes and commercial service stations shall occur only between the hours of 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10 p.m.
- (c) The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved, and time limits for approval of such applications are hereby suspended for such time as this drought response stage or a higher-numbered stage shall be in effect.

## **Stage 5 Response -- EMERGENCY Water Shortage Conditions**

**Target:** Achieve a \_\_\_\_ percent reduction in \_\_\_\_\_ (example: total water use, daily water demand, etc.).

**Best Management Practices for Supply Management:**

*Describe additional measures, if any, to be implemented directly by \_\_\_\_\_ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.*

**Water Use Restrictions for Reducing Demand:** All requirements of Stage 2, 3, and 4 shall remain in effect during Stage 5 except:

- (a) Irrigation of landscaped areas is absolutely prohibited.

- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited.

## Stage 6 Response -- WATER ALLOCATION

In the event that water shortage conditions threaten public health, safety, and welfare, the \_\_\_\_\_ (designated official) is hereby authorized to allocate water according to the following water allocation plan:

### Single-Family Residential Customers

The allocation to residential water customers residing in a single-family dwelling shall be as follows:

| Persons per Household | Gallons per Month |
|-----------------------|-------------------|
| 1 or 2                | 6,000             |
| 3 or 4                | 7,000             |
| 5 or 6                | 8,000             |
| 7 or 8                | 9,000             |
| 9 or 10               | 10,000            |
| 11 or more            | 12,000            |

Household means the residential premises served by the customer's meter. Persons per household include only those persons currently physically residing at the premises and expected to reside there for the entire billing period. It shall be assumed that a particular customer's household is comprised of two (2) persons unless the customer notifies the \_\_\_\_\_ (name of your water supplier) of a greater number of persons per household on a form prescribed by the \_\_\_\_\_ (designated official). The \_\_\_\_\_ (designated official) shall give his/her best effort to see that such forms are mailed, otherwise provided, or made available to every residential customer. If, however, a customer does not receive such a

form, it shall be the customer's responsibility to go to the \_\_\_\_\_ (name of your water supplier) offices to complete and sign the form claiming more than two (2) persons per household. New customers may claim more persons per household at the time of applying for water service on the form prescribed by the \_\_\_\_\_ (designated official). When the number of persons per household increases so as to place the customer in a different allocation category, the customer may notify the \_\_\_\_\_ (name of water supplier) on such form and the change will be implemented in the next practicable billing period. If the number of persons in a household is reduced, the customer shall notify the \_\_\_\_\_ (name of your water supplier) in writing within two (2) days. In prescribing the method for claiming more than two (2) persons per household, the \_\_\_\_\_ (designated official) shall adopt methods to insure the accuracy of the claim. Any person who knowingly, recklessly, or with criminal negligence falsely reports the number of persons in a household or fails to timely notify the \_\_\_\_\_ (name of your water supplier) of a reduction in the number of person in a household shall be fined not less than \$\_\_\_\_\_.

Residential water customers shall pay the following surcharges:

\$\_\_\_\_\_ for the first 1,000 gallons over allocation.  
\$\_\_\_\_\_ for the second 1,000 gallons over allocation.  
\$\_\_\_\_\_ for the third 1,000 gallons over allocation.  
\$\_\_\_\_\_ for each additional 1,000 gallons over allocation.

Surcharges shall be cumulative.

### Master-Metered Multi-Family Residential Customers

The allocation to a customer billed from a master meter which jointly measures water to multiple permanent residential dwelling units (example: apartments, mobile homes) shall be allocated 6,000 gallons per month for each dwelling unit. It shall be assumed that such a customer's meter





serves two dwelling units unless the customer notifies the \_\_\_\_\_ (name of your water supplier) of a greater number on a form prescribed by the \_\_\_\_\_ (designated official). The \_\_\_\_\_ (designated official) shall give his/her best effort to see that such forms are mailed, otherwise provided, or made available to every such customer. If, however, a customer does not receive such a form, it shall be the customer's responsibility to go to the \_\_\_\_\_ (name of your water supplier) offices to complete and sign the form claiming more than two (2) dwellings. A dwelling unit may be claimed under this provision whether it is occupied or not. New customers may claim more dwelling units at the time of applying for water service on the form prescribed by the \_\_\_\_\_ (designated official). If the number of dwelling units served by a master meter is reduced, the customer shall notify the \_\_\_\_\_ (name of your water supplier) in writing within two (2) days. In prescribing the method for claiming more than two (2) dwelling units, the \_\_\_\_\_ (designated official) shall adopt methods to insure the accuracy of the claim. Any person who knowingly, recklessly, or with criminal negligence falsely reports the number of dwelling units served by a master meter or fails to timely notify the \_\_\_\_\_ (name of your water supplier) of a reduction in the number of person in a household shall be fined not less than \$\_\_\_\_\_. Customers billed from a master meter under this provision shall pay the following monthly surcharges:

- \$\_\_\_\_\_ for 1,000 gallons over allocation up through 1,000 gallons for each dwelling unit.
- \$\_\_\_\_\_, thereafter, for each additional 1,000 gallons over allocation up through a second 1,000 gallons for each dwelling unit.
- \$\_\_\_\_\_, thereafter, for each additional 1,000 gallons over allocation up through a third 1,000 gallons for each dwelling unit.
- \$\_\_\_\_\_, thereafter for each additional 1,000 gallons over allocation.

Surcharges shall be cumulative.

### Commercial Customers

A monthly water allocation shall be established by the \_\_\_\_\_ (designated official), or his/her designee, for each nonresidential commercial customer other than an industrial customer who uses water for processing purposes. The non-residential customer's allocation shall be approximately \_\_\_\_ (e.g. 75%) percent of the customer's usage for corresponding month's billing period for the previous 12 months. If the customer's billing history is shorter than 12 months, the monthly average for the period for which there is a record shall be used for any monthly period for which no history exists. Provided, however, a customer, \_\_\_\_ percent of whose monthly usage is less than \_\_\_\_\_ gallons, shall be allocated \_\_\_\_\_ gallons. The \_\_\_\_\_ (designated official) shall give his/her best effort to see that notice of each non-residential customer's allocation is mailed to such customer. If, however, a customer does not receive such notice, it shall be the customer's responsibility to contact the \_\_\_\_\_ (name of your water supplier) to determine the allocation. Upon request of the customer or at the initiative of the \_\_\_\_\_ (designated official), the allocation may be reduced or increased if, (1) the designated period does not accurately reflect the customer's normal water usage, (2) one nonresidential customer agrees to transfer part of its allocation to another nonresidential customer, or (3) other objective evidence demonstrates that the designated allocation is inaccurate under present conditions. A customer may appeal an allocation established hereunder to the \_\_\_\_\_ (designated official or alternatively, a special water allocation review committee). Nonresidential commercial customers shall pay the following surcharges:

Customers whose allocation is \_\_\_\_\_ gallons through \_\_\_\_\_ gallons per month:

- \$\_\_\_\_\_ per thousand gallons for the first 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for the second 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for the third 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for each additional 1,000 gallons over allocation.

Customers whose allocation is \_\_\_\_\_ gallons per month or more:

- \_\_\_\_\_ times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.
- \_\_\_\_\_ times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
- \_\_\_\_\_ times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
- \_\_\_\_\_ times the block rate for each 1,000 gallons more than 15 percent above allocation.

The surcharges shall be cumulative. As used herein, block rate means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

## 7.1

### Industrial Customers

A monthly water allocation shall be established by the \_\_\_\_\_ (designated official), or his/her designee, for each industrial customer, which uses water for processing purposes. The industrial customer's allocation shall be approximately \_\_\_\_\_ (example: 90%) percent of the customer's water usage baseline. Ninety (90) days after the initial imposition of the allocation for industrial customers, the industrial customer's allocation shall be further reduced to \_\_\_\_\_ (example: 85%) percent of the customer's water usage baseline. The industrial customer's water use baseline will be computed on the average water use for the \_\_\_\_\_ month period ending prior to the date of implementation of Stage 2 of the Plan. If the industrial water customer's billing history is shorter than \_\_\_\_\_ months, the monthly average for the period for which there is a record shall be used for any monthly period for which no billing history exists. The \_\_\_\_\_ (designated official) shall give his/her best effort to see that notice of each industrial customer's allocation is mailed to such customer. If, however, a customer does not receive such notice, it shall be the customer's responsibility to contact the \_\_\_\_\_ (name of your water supplier) to determine the allocation, and the allocation shall be fully effective notwithstanding the lack of receipt of written notice. Upon request of the customer or at the initiative of the \_\_\_\_\_ (designated official), the allocation may be reduced or increased, (1) if the designated period does not accurately reflect the customer's normal water use because the customer had shutdown a major processing unit for repair or overhaul during the period, (2) the customer has added or is in the process of adding significant additional processing capacity, (3) the customer has shutdown or significantly reduced the production of a major processing unit, (4) the customer has previously implemented significant permanent water conservation measures such that the ability to further reduce water use is limited, (5) the customer agrees to transfer part of its allocation to another industrial customer, or (6) if other objective evidence demonstrates that the designated allocation is inaccurate under present conditions. A customer may appeal an allocation established hereunder to the \_\_\_\_\_ (designated official or alternatively, a special water allocation review committee). Industrial customers shall pay the following surcharges:

Customers whose allocation is \_\_\_\_\_ gallons through \_\_\_\_\_ gallons per month:

- \$\_\_\_\_\_ per thousand gallons for the first 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for the second 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for the third 1,000 gallons over allocation.
- \$\_\_\_\_\_ per thousand gallons for each additional 1,000 gallons over allocation.

Customers whose allocation is \_\_\_\_\_ gallons per month or more:

- \_\_\_ times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.
- \_\_\_ times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
- \_\_\_ times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
- \_\_\_ times the block rate for each 1,000 gallons more than 15 percent above allocation.

The surcharges shall be cumulative. As used herein, block rate means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

#### **Section X: Enforcement**

- (a) No person shall knowingly or intentionally allow the use of water from the \_\_\_\_\_ (name of your water supplier) for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by \_\_\_\_\_ (designated official), or his/her designee, in accordance with provisions of this Plan.
- (b) Any person who violates this Plan is guilty of a misdemeanor and, upon conviction shall be punished by a fine of not less than \_\_\_\_\_ dollars (\$\_\_\_) and not more than \_\_\_\_\_ dollars (\$\_\_\_). Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this Plan, the \_\_\_\_\_ (designated official) shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur. Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge, hereby established at \$\_\_\_\_\_, and any other costs incurred by the \_\_\_\_\_ (name of your water supplier) in discontinuing service. In addition, suitable assurance must be given to the \_\_\_\_\_ (designated official) that the same action shall not be repeated while the Plan is in effect. Compliance with this plan may also be sought through injunctive relief in the district court.
- (c) Any person, including a person classified as a water customer of the \_\_\_\_\_ (name of your water supplier), in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this Plan and that the parent could not have reasonably known of the violation.

Any employee of the \_\_\_\_\_ (name of your water supplier), police officer, or other \_\_\_\_\_ employee designated by the \_\_\_\_\_ (designated official), may issue a citation to a person he/she reasonably believes to be in violation of this Ordinance. The citation shall be prepared in duplicate and shall contain the name and address of the alleged violator, if known, the offense charged, and shall direct him/her to appear in the \_\_\_\_\_ (example: municipal court) on the date shown on the citation for which the date shall not be less than 3 days nor more than 5 days from the date the citation was issued. The alleged violator shall be served a copy of the citation. Service of the citation shall be complete upon delivery of the citation to the alleged violator, to an agent or employee of a violator, or to a person over 14 years of age who is a member of the violator's immediate family or is a resident of the violator's residence. The alleged

violator shall appear in \_\_\_\_\_ (example: municipal court) to enter a plea of guilty or not guilty for the violation of this Plan. If the alleged violator fails to appear in \_\_\_\_\_ (example: municipal court), a warrant for his/her arrest may be issued. A summons to appear may be issued in lieu of an arrest warrant. These cases shall be expedited and given preferential setting in \_\_\_\_\_ (example: municipal court) before all other cases.

## **Section XI: Variances**

The \_\_\_\_\_ (designated official), or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the \_\_\_\_\_ (name of your water supplier) within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the \_\_\_\_\_ (designated official), or his/her designee, and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Purpose of water use.
- (c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- (d) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (e) Description of the relief requested.
- (f) Period of time for which the variance is sought.
- (g) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (h) Other pertinent information.

**If you have any questions on how to fill out this form or about the Drought Contingency program, please contact us at 512/239-\_\_\_\_\_.**

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.



c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

(210) 227-1373 Office  
(210) 302-3692 Fax  
[www.RegionLTexas.org](http://www.RegionLTexas.org)

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Con Mims  
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Mike Mahoney  
*Vice-Chair / Water Districts*  
Gary Middleton  
*Secretary / Municipalities*  
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*GMA 7*  
Don Dietzmann  
*GMA 9*  
Dan Meyer  
*GMA 10*  
Art Dohmann  
*GMA 15*

February 9, 2012

Ms. Melanie Callahan  
Executive Administrator  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711-3231

RE: HYDROLOGIC ASSUMPTIONS AND MODELS FOR USE IN  
THE 2016 SOUTH CENTRAL TEXAS REGIONAL WATER  
PLAN

Dear Ms. Callahan:

Pursuant to Texas Water Development Board (TWDB) General Guidelines for Regional Water Plan Development (2012-2016), the South Central Texas Regional Planning Group (SCTRWPG) respectfully requests your approval of the 2016 South Central Texas Regional Water Plan Hydrologic Assumptions and Operational Procedures for Assessment of Groundwater and Surface Water Supply (Attachment A). Contents of Attachment A were approved by consensus of the SCTRWPG during its meeting of February 2, 2012 and are consistent with such assumptions and procedures approved by the TWDB for our use in development of the 2001, 2006, and 2011 regional plans.

The SCTRWPG also respectfully requests your approval of our potential use, as necessary and appropriate, of the hydrologic models listed in Attachment B for regional water planning purposes. Contents of Attachment B were approved by consensus of the SCTRWPG during its meeting of February 2, 2012 and are consistent with hydrologic models approved by the TWDB for our use in development of the 2011 regional plan.



Should you or your staff need additional information regarding these requests, please contact Sam Vaughn (512-912-5142), Brian Perkins (512-912-5173), or me at your convenience.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Con Mims'.

Con Mims, Chair

South Central Texas Regional Water Planning Group

cm/en

Enclosures

cc: Steve Raabe, San Antonio River Authority  
Matt Nelson, Texas Water Development Board  
Sam Vaughn, HDR Engineering, Inc.

**Attachment A**  
**2016 South Central Texas Regional Water Plan**

**Hydrologic Assumptions and Operational Procedures for  
Assessment of Groundwater and Surface Water Supply**

- 1) Full exercise of surface water rights. Data files updated with latest existing permanent water rights.
- 2) Edwards Aquifer withdrawals, critical period management, and resulting springflows consistent with Habitat Conservation Plan (Phase I) developed through the Edwards Aquifer Recovery Implementation Program (pending approval by USFWS) for the period 1947-1989. Pre-1947 withdrawals, critical period management, and resulting springflows consistent with SB 3 (80<sup>th</sup> Texas Legislature) using GWSIM-IV and historical Edwards Aquifer recharge estimates developed by EUWD/HDR.
- 3) Operation of Canyon Reservoir at firm yield in accordance with Certificate of Adjudication No. 18-2074E, including subordination of all senior Guadalupe River hydropower permits to Canyon Reservoir.
- 4) Delivery of GBRA's present contractual obligations from Canyon Reservoir to points of diversion.
- 5) Effluent discharge / return flow in the Guadalupe - San Antonio River Basin will be that reported for 2006 and adjusted for current SAWS direct recycled water commitments. Smaller reuse commitments of San Marcos, New Braunfels, Seguin, Kyle, San Antonio River Authority, and/or Cibolo Creek Municipal Authority, as well as others marketing reuse water (Gonzales, Kenedy, etc) may be considered to the extent data is available.
- 6) Operation of power plant reservoirs (Braunig, Calaveras, and Coleta Creek) subject to authorized consumptive uses at the reservoir, with makeup diversions as needed to maintain full conservation storage to the extent possible subject to senior water rights, instream flow constraints, and/or applicable contractual provisions.
- 7) Operation of Choke Canyon Reservoir/Lake Corpus Christi (CCR/LCC) System at safe yield subject to TCEQ Agreed Order regarding freshwater inflows to the Nueces Estuary.
- 8) Period of record for simulations: Guadalupe-San Antonio River Basin (1934-89, Critical Drought = 1950s) and Nueces River Basin (1934-97, Critical Drought = 1990s).
- 9) Firm supply of surface water rights based on monthly availability.

**Attachment B**  
**2016 South Central Texas Regional Water Plan**  
**Hydrologic Models**

| MODEL                                                                                                                            | USE FOR<br>EXISTING<br>SUPPLIES | USE FOR WATER<br>MANAGEMENT<br>STRATEGIES |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|
| <u>Surface Water – Guadalupe-San Antonio River Basin</u>                                                                         |                                 |                                           |
| • Guadalupe-San Antonio River Basin Water Availability Model (GSA WAM) (TCEQ)                                                    | ✓                               | ✓                                         |
| • Guadalupe-San Antonio River Basin Water Availability Model (GSA WAM) (Region L/HDR)                                            | ✓                               | ✓                                         |
| • Guadalupe-San Antonio River Basin Model (HDR)                                                                                  |                                 | ✓                                         |
| <u>Surface Water – Nueces River Basin</u>                                                                                        |                                 |                                           |
| • Nueces River Basin Water Availability Model (N WAM) (TCEQ)                                                                     | ✓                               | ✓                                         |
| • Lower Nueces River Basin & Estuary Model (NUBAY) (HDR)                                                                         | ✓                               | ✓                                         |
| • Nueces River Basin Model (HDR)                                                                                                 |                                 | ✓                                         |
| <u>Surface Water – Environmental Flow Analyses</u>                                                                               |                                 |                                           |
| • Flow Regime Application Tool (FRAT) (TPWD/SAC)                                                                                 |                                 | ✓                                         |
| <u>Surface Water – Rainfall/Runoff</u>                                                                                           |                                 |                                           |
| • Pilot Recharge Models of the Nueces and Blanco Recharge Basins (HSPF) (EAA/HDR)                                                |                                 | ✓                                         |
| • HSPF Recharge Models for the San Antonio Segment of the Balcones Fault Zone of the Edwards Aquifer (HSPF) (EAA/LBG-Guyton/HDR) |                                 | ✓                                         |
| <u>Groundwater – Edwards Aquifer</u>                                                                                             |                                 |                                           |
| • MODFLOW (EAA/USGS)                                                                                                             | ✓                               | ✓                                         |
| • GWSIM-IV (TWDB/HDR)                                                                                                            | ✓                               | ✓                                         |
| <u>Groundwater – Carrizo/Wilcox Aquifer</u>                                                                                      |                                 |                                           |
| • Southern Carrizo-Wilcox-Queen City-Sparta GAM (TWDB)                                                                           |                                 | ✓                                         |
| • Central Carrizo-Wilcox-Queen City-Sparta GAM (TWDB)                                                                            |                                 | ✓                                         |
| <u>Groundwater – Gulf Coast Aquifer</u>                                                                                          |                                 |                                           |
| • Gulf Coast (Central) GAM (TWDB)                                                                                                |                                 | ✓                                         |
| <u>Groundwater – Trinity Aquifer</u>                                                                                             |                                 |                                           |
| • Trinity (Hill Country) GAM (TWDB)                                                                                              |                                 | ✓                                         |



# Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.  
Austin, TX 78711-3231, [www.twdb.texas.gov](http://www.twdb.texas.gov)  
Phone (512) 463-7847, Fax (512) 475-2053

September 18, 2012

Mr. Con Mims, Chair  
South Central Texas Regional Water Planning Group  
c/o Nueces River Authority  
P.O. Box 349  
Uvalde, Texas 78802

RE: Follow-up to South Central Texas Regional Water Planning Group's (SCTRWPG)  
Request for Approval of Hydrologic Assumptions and Models for Use in the 2016  
South Central Texas Regional Water Plan

Dear Mr. Mims:



This letter is in response to our June 26, 2012 follow-up meeting with HDR at the Texas Water Development Board (TWDB). This letter confirms that TWDB approves:

- All assumptions and model modifications included in the February 9, 2012 request for the purpose of evaluating existing supplies. This includes the use of historically discharged effluent and corrected springflows from the Edwards Aquifer consistent with pumping restrictions associated with either: the EARIP HCP or current law under Senate Bill 3 passed by the 80<sup>th</sup> Texas Legislature.
- The use of the Region L GSA WAM which more accurately models the Canyon Reservoir permit, Coletto Creek Diversions, the Medina Lake System, and the CPS lakes (Calaveras and Braunig), also for the purpose of evaluating existing supplies.
- Evaluating all new WMSs using only the *unmodified TCEQ WAM Run 3 models*. The only exception to this is that TWDB approves the use of updated WAM spring flow files in these otherwise unmodified Texas Commission on Environmental Quality (TCEQ) WAM Run 3 models to reflect the existing withdrawal reduction levels and stages for critical period management that are current law under Senate Bill 3 passed by the 80<sup>th</sup> Texas Legislature. In addition, as of the date that the USFWS publishes its intent to issue an EARIP HCP permit in the Federal Register, TWDB also approves the use of updated WAM spring flow files in the otherwise

## Our Mission : Board Members

To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas

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Melanie Callahan, Executive Administrator

unmodified Texas Commission on Environmental Quality (TCEQ) WAM Run 3 models to reflect the anticipated withdrawal reduction levels and stages for critical period management associated with the EARIP HCP permit. Note that these same modified spring flow files are also approved for use in analyzing cumulative effects of the plan, if desired by the RWPG.

While TWDB authorizes certain modifications to evaluate existing water supplies for development of the 2016 South Central Texas Regional Water Plan, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes, will reflect conditions expected in the event of actual drought conditions, and in all other regards will be evaluated in accordance with the contract Exhibit C, General Guidelines for Regional Water Plan Development.

If you have any further questions, please do not hesitate to contact Mr. Matt Nelson, Project Manager for SCTRWP, at (512) 936-3550 or via email at [matt.nelson@twdb.texas.gov](mailto:matt.nelson@twdb.texas.gov).

Sincerely,



Carolyn L. Brittin  
Deputy Executive Administrator  
Water Resources Planning and Information

c: Steve Raabe, San Antonio River Authority  
Sam Vaughn, HDR Engineering  
David Carter, TWDB  
Matt Nelson, TWDB