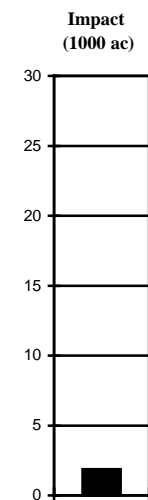
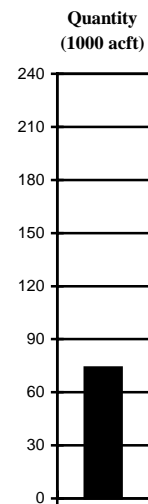


SOUTH CENTRAL TEXAS REGION WATER SUPPLY OPTIONS
OPTION DATA SHEET
Draft – 12/06/99



OPTION NUMBER: SCTN-16b
OPTION NAME: Lower Guadalupe River Diversions

OPTION DESCRIPTION: *Diversion of unappropriated streamflow and existing water rights (up to 50,000 acft/yr) from the Guadalupe River at the Saltwater Barrier to water treatment plant at the major municipal demand center of the South Central Texas Region (treated water to distribution system or recharge zone). Unappropriated streamflow and water available under existing rights will be made firm by delivery of uncommitted stored water (up to 15,000 acft/yr, firm yield equivalent) from Canyon Reservoir to the Saltwater Barrier.*

TIME NEEDED TO IMPLEMENT: 1-5 yr. 5-15 yr. > 15 yr.

<i>COST, QUANTITY OF WATER, AND LAND IMPACTED</i>		
UNIT COST OF WATER:	788	per acft¹ Treated Water Distributed
QUANTITY OF WATER:	74,000	acft/yr²
LAND IMPACTED:	1,886	acres³

<i>POSITION RELATIVE TO ALL OPTIONS</i>		
UNIT COST OF WATER:	of	(1=lowest unit)
QUANTITY OF WATER:	of	(1=highest volume)
LAND IMPACTED:	of	(1=least acreage)

FACTORS AFFECTING COST, QUANTITY, AND LAND IMPACTED

¹**COST:** River intake and pump station, off-channel dam and reservoir, reservoir intake and pump station, raw water pipeline to treatment plant, water treatment plant, and distribution to municipal systems or recharge zone. Costs include environmental and archaeological studies.

²**QUANTITY OF WATER:** Firm yield under existing water rights and unappropriated streamflow subject to senior water rights, Consensus Criteria, reclaimed water use, and Edwards Aquifer pumpage.

³**LAND IMPACTED:** Area inundated by the off-channel reservoir, transmission facilities right-of-way, and water treatment plant site. This does not include land purchased for mitigation.

ENVIRONMENTAL ISSUES: Freshwater inflows to the Guadalupe Estuary and potential mitigation for 1,218 acres inundated by off-channel reservoir. The lower Guadalupe River in Victoria, Calhoun, and Refugio Counties is recommended for designation as an Ecologically Unique River Segment by TPWD.

SIGNIFICANT ISSUES AFFECTING FEASIBILITY: Policy and/or rules regarding interbasin transfer of water supplies.

ADDITIONAL FACTORS: Implementation of this option based on a greater quantity or in combination with other options may reduce the unit cost of water.

OTHER WATER SUPPLY OPTIONS DIRECTLY AFFECTED: L-11, L-14, L-20, S-14D, S-15D, S-15E, S-16C, G-16C1, G-17C1, G-20, G-38C, SCTN-11, SCTN-12b, and/or SCTN-14.