

## Summary of Results from Texas Estuary Freshwater Inflow Studies

Estuary	MinQ-Sal*	MinQ*	MaxH*
Lower Laguna Madre	209,890	214,950	228,330
Upper Laguna Madre	18,150	21,560	22,770
Nueces	100,640	115,640	138,490
Mission-Aransas	32,550	41,080	82,230
Guadalupe	763,370	1,028,850	1,147,350
Matagorda Bay**	287,310***	1,617,500	2,000,100
Trinity-San Jacinto	2,513,210	4,158,600	5,215,800
Sabine-Neches	4,710,460	7,011,500	9,596,600

\* - Although shown here in acre-feet per year, the study results actually give inflow requirements by month.  
\*\* - Analyses done by Lower Colorado River Authority.  
\*\*\* - Critical Inflow Need= min. annual inflow to maintain salinity near river mouth at no more than 25 ppt. Recent data indicate this amount is greatly inadequate even for that.

### Basic Definitions of Variables

MinQ - Minimum inflow feasible when the fishery harvest target is >80% of the average harvest of each species.

MaxH - Maximum inflow feasible when the fishery harvest target is >80% of the average harvest of each species.

MinQ-Sal - Minimum inflow estimate based on salinity viability limits for survival, growth, and reproduction of estuarine fish and shellfish.