

## Freshwater Inflow Regimes

### Lavaca Bay:

Onset Month	Subsistence	Base Low	Base Medium	Base High
Spring Feb-May	13,500 for 3 consecutive months	55,080 for 3 consecutive months	127,980 for three consecutive months	223,560 for three consecutive months
Fall Aug-Oct	9,600 for 3 consecutive months	39,168 for 3 consecutive months	91,080 for 3 consecutive months	158,976 for 3 consecutive months
Intervening 6 months	6,900	28,152	65,412	114,264
% Frequency of occurrence (1940-2009) <sup>1</sup>	97	86	56	37
450,000 acre-feet in 30 days in any season, once at least every 10 years				

### Matagorda Bay:

Onset Month	MBHE 1	MBHE 2	MBHE 3	MBHE 4
Spring Jan-July	114,000 for 3 consecutive months	168,700 for 3 consecutive months	246,200 for three consecutive months	433,200 for three consecutive months
Fall Aug-Dec	81,000 for 3 consecutive months	119,900 for 3 consecutive months	175,000 for 3 consecutive months	307,800 for 3 consecutive months
Intervening 6 months	105,000	155,400	226,800	399,000
% Achievement Guideline <sup>1</sup>	90	75	60	35
Threshold: minimum of 15,000 acre-feet per month (100% of months)				
Long-term Volume and Variability: Average at least 1.4 to 1.5 million acre-feet per year as a long-term average (100%)				

<sup>1</sup> % Frequency of occurrence and % Achievement guidelines are similar but not exactly the same. % frequency of occurrence is based strictly on how frequently these combinations of values occurred. Achievement guidelines are also based primarily on how frequently these combination of values occurred however there were additional considerations involved in determining achievement guidelines.

### East Matagorda Bay:

No numerical freshwater inflow recommendation. Current inputs of water from the coastal watersheds for East Matagorda Bay should be continued.

Colorado-Lavaca Environmental Flows Stakeholders: Freshwater Inflow Regimes

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