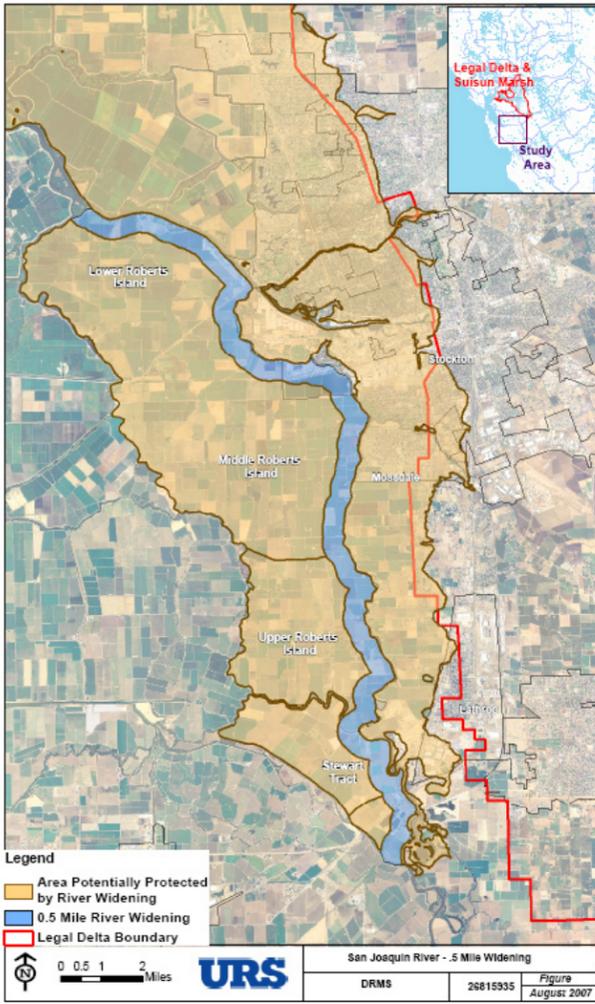
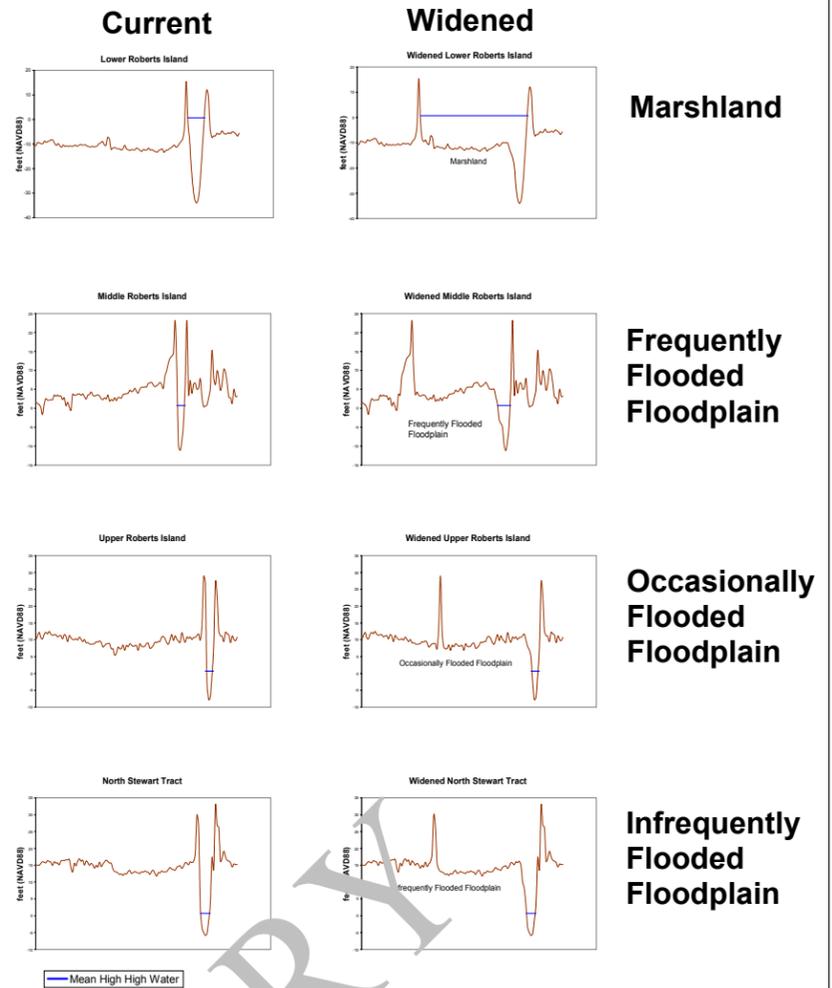


Setback Levee San Joaquin River



Comparison of Current to Widened Cross-sections



San Joaquin Setback Levee Building Block:

A setback levee will be built approximately one half mile inland of current levees along the San Joaquin River shoreline of both Stewart Tract and Roberts Island, creating a half-mile wide, 22-mile long floodplain. This will greatly increasing the capacity of this stretch of river during flood events, and provide substantial habitat and recreational benefits at all other times. The setback levee project will provide flood protection to developed and urban areas on the east bank, as well as to agricultural lands on both islands.

Objectives

- Protect lives and property in Lathrop, Mossdale, Stockton and adjacent communities from extreme flood events
- Protect agriculture and property on Stewart Tract and Roberts Island from flood events
- Restore critical marshland, floodplain, and riparian habitats along the San Joaquin River.

Project Criteria:

- Project must provide substantially increased flood protection to east bank communities.
- Project should maximize environmental benefits

Benefits

- Eases strain on existing levees to reduce failure potential during flood events.
- Protects both east bank and west bank lands from flooding
- Provides substantial environmental benefits to fish and wildlife
- Provides increased recreational opportunities along San Joaquin River

Additional Consequences

- Approximately 7,040 acres of agricultural land will be removed from agricultural use.

¹Data available at <http://waterdata.usgs.gov>

San Joaquin Setback Levee Statistics:

Flood Activity on the San Joaquin River:

San Joaquin River discharge data is available from 1923 through 2007¹ During those 84 years:

- The river has exceeded the flood stage ten times (once every 8.34 years on average).
- The river exceeds moderate flood stage every 16.8 years on average, or 5 times.
- Stewart Tract has breached and flooded 3 times, on average every 28 years, easing strain on other levees and protecting vulnerable neighborhoods

Project Impacts	
Effects on Residential Use	<15 dwellings relocated
Potential parkland created	7,040 acres
Effects on Agriculture	
More Frequent Flooding	3,520 acres
Permanent Loss	3,520 acres
Increased Flood Protection	30,235 acres
Effects on Infrastructure	
Permanently flooded oil or gas wells	5-10 in tidal marsh floodplain
occasionally flooded oil or gas wells	5-10 in upland floodplain
oil or gas wells with increased flood protection	170-175
miles of road or railway subject to increased flood risk	none
Effects on Land Value	
Increased	30,235 acres
Decreased	7,040 acres
Land available for residential development	4,500 acres
Effects on Habitat and Sensitive Species	
Total potential new floodplain	7,040 acres, total floodplain
Potential land for managed wetland or tidal marsh	3,520 acres
Project Cost	\$1.2B