



LEGEND

	100-yr Flood Elevation		Best Location for Pump Structures
	Supply Delivery Point		Existing Structures
	Historical Scoping		Occupied Structures
	Historical Break		Seasonal - Occupied Structures
	Dryland Levee		Port Side Navigation Light
	Dryland Levee (Under Elevation 8)		Starboard Side Navigation Light
	Existing Pumping Station		

Horizontal and Vertical Data

Horizontal - Map is projected to California State Coordinate System Zone 3 NAD 83 (U.S. East)

Vertical - Published elevations are on NGVD 29

Vertical - Elevation adjusted (+0.00') from NAVD 88 (U.S. East)

SUPPLY AND DELIVERY POINTS

RD 2037 - #1 Large Parking lot at Paradise Point Marina

#2 First ramp leaving levee after turning right onto levee from bridge

RECLAMATION DISTRICT No. 2037

LEVEE PATROL PROCEDURES AND CONSIDERATIONS

Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters shown. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch sectors and 2 experienced staff to patrol entire levee, communicate with cell phones.

RECLAMATION DISTRICT No. 2037

Flood Contingency Options

HIGHWATER EVENT
The general floodfight strategy will be to maintain primary district levees.

Actions Needed
Establish levee patrol in accordance with patrol plan
Participate in Central Delta Flood Fight Unified Command with command post at Holt Station.

FAILURE OF PRIMARY LEVEES
The general floodfight strategy will be to stabilize and repair breach, install emergency pumping capacity, and protect interior slopes of primary levee system.

Actions Needed
Assist with evacuation of island.
Stabilize and repair breach
Install emergency pumping capacity at emergency pumping station location.
Lay vigilance on interior slopes of primary levee system to protect from wave wash from impounded waters.

SPECIAL FLOOD CONSIDERATIONS

Rindge Tract Trafficability
Primary levees have all weather road on crown. All weather road runs through middle of island as shown on map connecting northern and southern portions.

Rindge Tract Power
Two separate P.G.&E. lines run into Rindge Tract from the north and the south as shown on map. Switch mounted on telephone pole on northeast end of island allows power to island to be switched from one source to the other.

Drainage Ditch Dam
Two pumping stations on island on south side and west side. Drainage flow is from east to west. Dam located in primary drainage ditch in middle of island as shown on map pushes east end drainage flow to South Pumping Station. Failure of dam would allow all drainage flow on island to move to low end at West Pumping Station which may not be adequate. Sheet flooding of western end of island would be possible.

Ship Traffic Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levees. This ongoing erosion presents a constant threat to levee stability along channel.

Tidal Erosion
Erosion issues exist at Station 225 (100) on northwest side of island from flow of incoming and outgoing tides. In particular, outgoing tides have shown ability to cause erosion of levee slope at water line.

Pumping Station
Pumps and Motors are above 100 Year Flood Elevation

RECLAMATION DISTRICT No. 2037 Flood History

1905-07 - Rindge Tract first leveed by Frederick Rindge and Middle River Navigation and Canal Company using Dredge "Middle River".

1907 - Major flood event triggered by storm event which affected the Pacific Coast for several days beginning on March 15th. Peak flows of more than 500,000 cfs into Valley north of Sacramento. San Joaquin River fully occupied its floodplain above Delta. High tides played role in subsequent failures of Delta levees. Rindge Tract levee breached on March 28th, exact location is uncertain. Breach was closed in April.

2006 - Spring tide over New Year's weekend combined with high river flows from wet December and strong low pressure storm to generate very high tides (10.7' at Rio Vista gauge). District discovered section flow from heavier hole on north side of island and repaired. It was full potential existed for failure of levee.

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Rindge Tract

Reclamation District No. 2037 - Rindge Tract



SAN JOAQUIN COUNTY

OFFICE OF EMERGENCY SERVICES

FLOOD CONTINGENCY MAP



Scale: 1" = 1 Mile

North Arrow