FLOOD CONTINGENCY PLANNING

A.1. SPECIAL FLOOD CONSIDERATIONS

W1 - PUMP STATION 1

Located near Station 165+00. These discharge pumps may be used during a major flood event; however, additional pumps would be needed to dewater the island.

W2 - PUMP STATION 2

Located near Station 614+00. This discharge pump may be used during a major flood event; however, additional pumps would be needed to dewater the island.

W3 - EVACUATION CONSIDERATIONS

Webb Tract is not linked by bridges to the mainland. Access to and from Webb Tract is dependent on the Delta Ferry Authority, which provides ferry service. Primary exit route located at ferry slip at station 0+00. A duck club is located on the southeast levee, and a farming complex is located on the western portion of the island. The Victory II Ferry is made available to local farmers, contractors, and employees. Ferry service is not guaranteed and is subject to availability of captain/crew, weather and other safety issues, and mechanical failures. After-hour service may be required if Webb Tract needs to be evacuated.

W4 - FETCH FROM OPEN WATERS

The wave fetch is relatively short on the western portion of the island, along Fisherman's Cut. Fetch is significantly greater over much of the remainder of the District. The southern portion of the island has a wave fetch of up to 3.5 miles across Franks Tract. Channel widths generally vary from 400 to 3,250 feet. The levees are armored with riprap.

W5 - GENERAL LEVEE CONDITIONS

There is no levee certification status for Webb Tract. The levee crown generally meets the requirements of the Hazard Mitigation Plan configuration, and many areas are compliant with PL 84-99 and Bulletin 192-82. The District continues to rehabilitate and maintain the levees as funds permit.

W6 - GENERAL INFRASTRUCTURE

Infrastructure includes pumping stations for drainage and associated electrical lines.

W7 - GENERAL FLOOD THREATS

The flooding threat is predominantly tidal, with some local runoff that can influence conditions. The San Joaquin River could pose a riverine flooding threat. Franks Tract is located to the south. This large expanse of open water can create erosion due to wind/waves.

The general elevation ranges are shown by shading within the levee maintenance area below. General areas of high ground and low ground can be derived from the mapping presented below. Large floods, or a dam failure, could result in extreme flood depths. Flood depths may also be significantly greater in depressions such as channels or road cuts or next to obstructions such as railroad embankments. Flood depths may also be significantly less, depending on individual variations in terrain or where structures are raised above general ground elevation. MAP DATA SOURCE: DRMS Risk Report [URS/JBA 2008c] Regional Elevation >> FLOW >> <-15

LOCAL TOPOGRAPHY

B.1. FLOOD CONTINGENCY OPTIONS

W1 - OVERTOPPING

Overtopping due to tide action or weather could occur at this location.

ACTIONS

The District maintains stockpiles of riprap on the island and has equipment available to perform levee maintenance and repairs.

Temporary Earthen Levee Material Required:

4000 feet of temporary earthen levee (2ft high x 4ft wide) will require approximately 80 rolls of 10 mil plastic sheeting, 1200 sandbags, and 180 cubic yards of fill. Approximately 22.2 cubic yards of fill for sand bags and 157.8 cubic yards of fill for visqueen fill.

W2 - HIGH WATER EVENT

Multiple high water events caused by large volumes of discharge from regional and local drainage system, coupled with tides and low atmospheric pressure. Vulnerable area approx.. 5.000 FT. Muscle wall or temporary earthen levee is recommended. ACTIONS

1. Activate workforce for levee patrols. 2. Prepare resources for temporary earthen levee or muscle wall. Muscle Wall Material Required: 5000 feet of temporary levee will require approximately 834 segments of muscle wall, 8340 sandbags, and 4170 cubic feet of sand.

OR Temporary Earthen Levee Material Required:

5000 feet of temporary earthen levee (2ft high x 4ft wide) will require approximately 100 rolls of 10 mil plastic sheeting, 1500 sandbags, and 225 cubic yards of fill. Approximately 27.8 cubic yards of fill for sand bags and 197.2 cubic yards of fill for visqueen fill.

W3 - BOIL FROM SEEPAGE THROUGH LEVEE

of discharge from regional and local drainage system, coupled with tides and low atmospheric pressure. Not associated with wind generated waves and erosion. Response to boils require sack ring, or boil ring, to control water flow and pressure through levee to minimize transport of fine material through seepage that has uncontrolled flow of water and transport of levee material. Tides and low pressure can play a part in both wind and seepage impact potential. Potential at station 505+00 and 230+00. ACTIONS

1. Protect and isolate seepage area with boil sack ring.

C. REPAIR CONTRACTORS & MATERIAL SUPPLIERS

Labor Ready Sacramento 916.374.9501

Dutra Materials

Syar Industries

530.787.2020

CA

Dutra Group

Vista, CA

615 River Rd, Rio Vista, CA 707.374.6964

CA

1000 Point San Pedro Rd, San Rafael, CA 415.459.7740

16560 County Rd 89, Esparto,

Svar Industries

885 Lake Herman Rd, Vallejo, CA 707.643.3261

Ace Hardware Pittsburg

Brentwood 8900 Brentwood Blvd, Ste J, Brentwood, CA 925.634.3201

Lowe's Antioch

CA

Teichert Construction 160 River Rd, Rio 24207 County Rd 100A, Davis, CA 707.374.5127 530.406.4200



Dutra Materials

125 E Leland Rd, Pittsburg, CA 925.432.6089

Antioch CA

Boil events caused by large volumes

Antioch 925.757.2500

Ace Hardware

Ace Hardware

925.625.2449

305 5th St, Oakley, CA

Oakley

Ace Hardware 501 Sunset Dr. Antioch, CA

Lowe's

FLOOD FIGHT LABOR

Labor Ready Concord 925.827.2352

Labor Ready Oakland 510.981.8226

REPAIR CONTRACTORS

Teichert Construction 4401 Duluth Ave. Roseville, CA 916.645.4800

Teichert Corporate Office 3500 American River Dr, Sacramento, CA 916.484.3011

MATERIALS SUPPLIERS

Teichert Aggregates

4249 Hammonton Smartville Rd, Marysville, CA 530.743.6111

Teichert Aggregates

3331 Walnut Ave, Marysville,

530.749.1230

Teichert Aggregates

3417 Grant Line Rd, Rancho Cordova, CA 916.351.0123

Teichert Aggregates

13333 White Rock Rd, Rancho Cordova, CA 916.985.2052

LOCAL SUPPLY PROVIDERS

1951 Auto Center Dr, Antioch,

925.756.0370

5503 Lone Tree Way, Antioch,

925.779.6060

Teichert Aggregates

8760 Kiefer Blvd, Sacramento, CA 916.386.6905

Teichert Aggregates

35030 County Rd 20, Woodland, CA 530.661.4290

Teichert Ready Mix

8950 Cal Center Dr, #165, Sacramento, CA 916.361.5000

Home Depot

Brentwood 5631 Lone Tree Way, Brentwood, CA 925.513.6060

Home Depot

Pittsburg 2300 N Park Blvd, Pittsburg, CA 925.473.1900