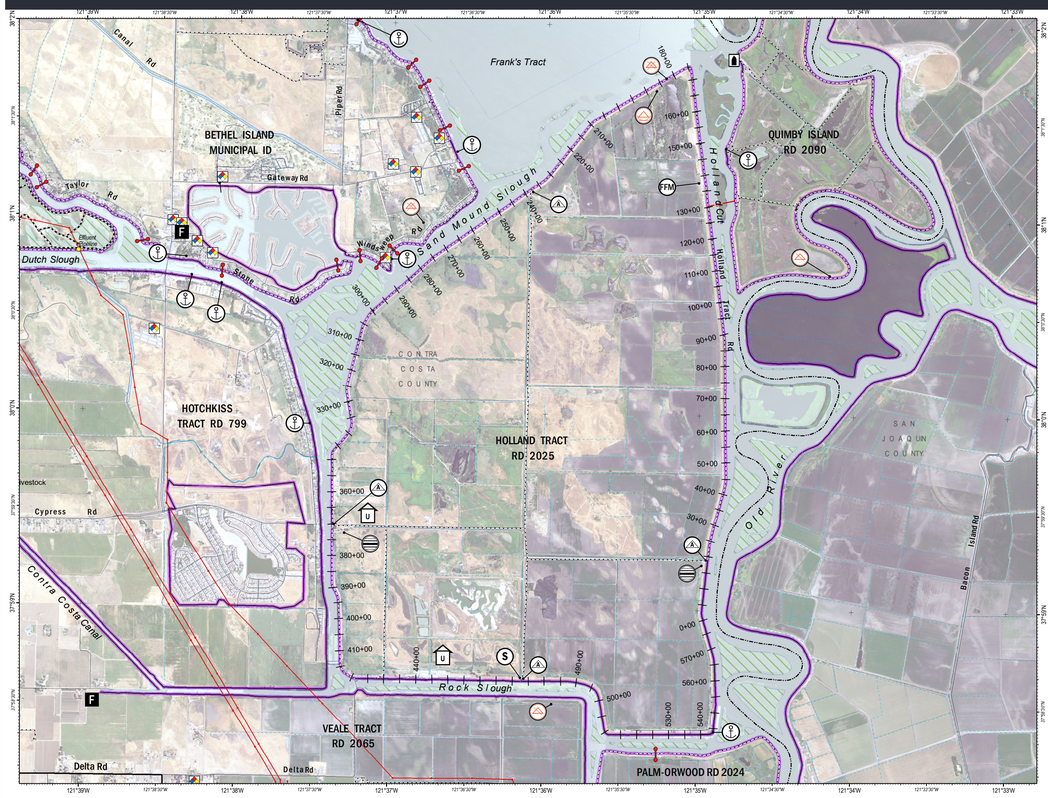
PUBLIC SAFETY



The symbology presented in the legend below is global to the project area, some symbols may not be present on map

TRANSPORTATION
- Gate

ROADS
- Interstate | Highway | Major Road | Local Road | Trail, Major | Trail

LEVEE INFORMATION
- 1000-Foot Levee Stationing
- Levee Centerline
- Tide Gate
- Agricultural Return Drain/Siphon
- Levee Access Point
- Levee Crossing
- Historic Levee Breach
- Levee Erosion
- Levee Seepage

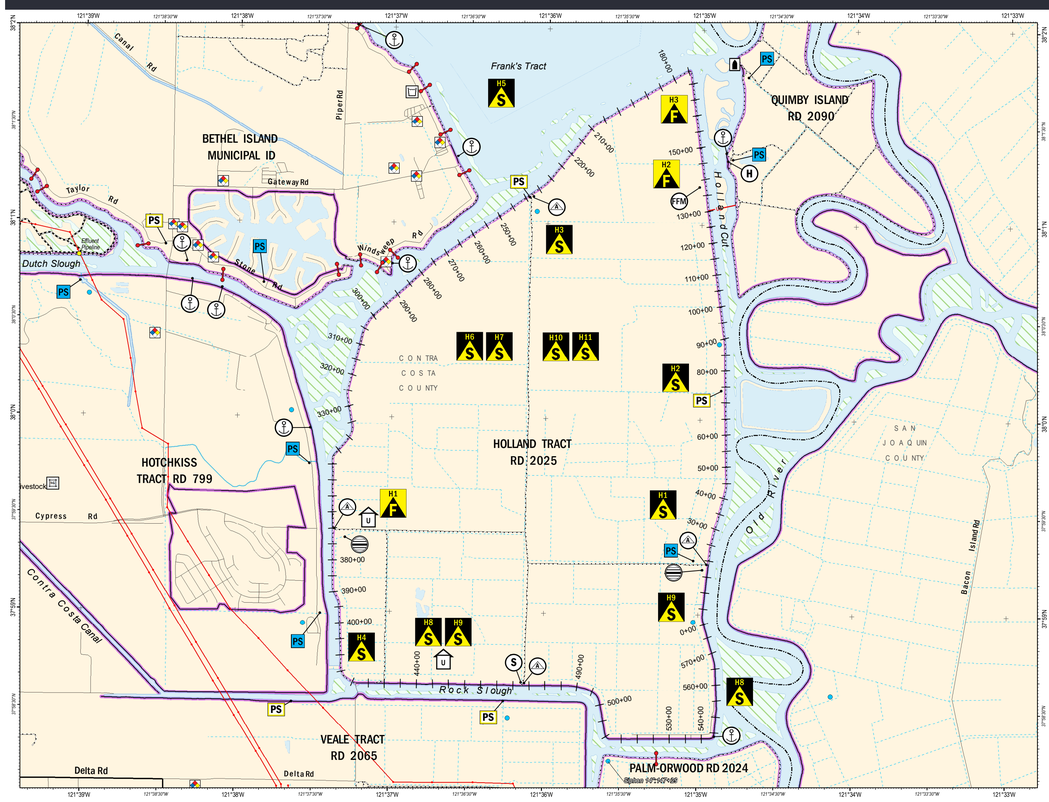
RESPONSE INFORMATION
- Structure — T (type) [A - Agricultural; R - Residential; S - Seasonal; U - Unknown] # (count) - [Approx. Structure Count]
- Boat Landing
- Supply Delivery Point
- Field Stockpile
- Flood Fight Material
- Supply Staging

REFERENCE INFORMATION
- Fire Station
- School
- Home Care
- Ag. Worker Camp
- Ferry
- Dam
- Hazardous Material
- Underground Power Line
- Transmission Line
- Underground Gas Line
- County Boundary

0 1,100 2,200 4,400 Feet

Map projection and scale: NAD 1983 StatePlane California III FIPS 0403 Feet, 1:28,600

FLOOD CONTINGENCY



The symbology presented in the legend below is global to the project area, some symbols may not be present on map

TRANSPORTATION
- Gate

ROADS
- Interstate | Highway | Major Road | Local Road | Trail, Major | Trail

FLOOD CONTINGENCY OPTIONS
- Flood Contingency Option
- Special Flood Consideration

LEVEE INFORMATION
- 1000-Foot Levee Stationing
- Levee Centerline
- Tide Gate
- Agricultural Return Drain/Siphon
- Levee Access Point
- Levee Crossing

RESPONSE INFORMATION
- Structure — T (type) [A - Agricultural; R - Residential; S - Seasonal; U - Unknown] # (count) - [Approx. Structure Count]
- Boat Landing
- Command Post
- Supply Delivery Point
- Command Post Secondary
- Field Stockpile
- Pump Station
- Flood Fight Material
- Pump Station Agricultural
- Helispot
- Supply Staging

REFERENCE INFORMATION
- Ferry
- Communication Facility
- Potable Water Facility
- Waster Water Facility
- Solid Waste Facility
- Natural Gas Facility
- Hazardous Material
- Underground Power Line
- Transmission Line
- Underground Gas Line
- County Boundary

0 1,100 2,200 4,400 Feet

Map projection and scale: NAD 1983 StatePlane California III FIPS 0403 Feet, 1:28,600

S B.1. STAGING AREAS

The following sites have been identified for use as staging areas for incoming resources.

FLOOD FIGHT STAGING
The staging area will be located at the south end of Center Road near station 472+00
37°58'38.69887440"N, 121°36'08.57300040"W

DP B.2. SUPPLY DELIVERY LOCATION

The following sites have been identified for use as supply delivery points for incoming resources.

No Known Supply Delivery Points in Map Extent

B.3. STOCKPILE RESOURCES

The following sites have been identified as pre-existing earthen material/fill material stockpiles.

RIP RAP STOCKPILE
Rock stockpile stored on island for immediate use in flood fight.
37°59'13.85517480"N, 121°34'58.53153000"W

RIP RAP STOCKPILE
Rock stockpile stored on island for immediate use in flood fight.
37°59'22.88007600"N, 121°37'17.56632360"W

FFM B.4. FLOOD FIGHT RESOURCES

The following sites are designated equipment resources in a flood fight scenario.

FLOOD FIGHT MATERIALS
Inventory meets DWR requirements: Visqueen, sandbags, twine, stakes, tie buttons, pliers, sledge hammers, shovels, life vests, survey lathe, flagging tape, markers, pencils and pads, spotlight, tool box and lock.
38°01'11.73844200"N, 121°35'01.07962440"W

B.5. HAZMAT LOCATIONS

The following sites have been identified as containing hazardous materials.

No Known HazMat Locations in Map Extent

C.1. COMMUNICATIONS SUPPORT

COUNTY OFFICES

CONTRA COSTA COUNTY SHERIFF'S OFFICE/DEPARTMENT
Evacuation
925.335.1500, Information
925.646.2441, Emergency

CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT
Evacuation/Rescue
925.941.3330

CONTRA COSTA COUNTY OFFICE OF EMERGENCY SERVICES
CCC OES
925-228-5000, 24-HOUR

CONTRA COSTA COUNTY PUBLIC WORKS DEPARTMENT
Debris Management
925.427.8562

COUNTY ICS/EOC OPS

CONTRA COSTA COUNTY
925.646.4461, Office
925.228.5000, 24-Hour

SAN JOAQUIN COUNTY
209.953.6200, Office,
209.468.4400 Emergency

YOLO COUNTY
530.406.4930, Office
530.666.8920 24-Hour

SACRAMENTO COUNTY
916.874.4670, Office
916.875.5000, Night
916.875.6900, Night

SOLANO COUNTY
707.784.1600, Office
707.421.7090, Night

RESPONSE SUPPORT

AMERICAN RED CROSS
Sheltering
800.733.2767

DWR STATE-FEDERAL FLOOD OPERATIONS CENTER
Coordination for Support
916.574.2619

CALTRANS
Evacuation/Bridge Support
916.654.2852

CALIFORNIA CONSERVATION CORPS
Environmental/ Disaster Response
916.341.3100

LMA CONTACTS

BIXLER TRACT (RD 2121)
Tom Bloomfield
925.550.5540

BYRON TRACT (RD 800)
Jeff Conway
925.584.8542 Bus.

HOTCHKISS TRACT (RD 799)
Dina Holder
925.684.2398

QUIMBY ISLAND (RD 2090)
Al Warren Hoslett
209.943.5551, Bus.

BIMID
Regina Espinosa
925.684.2210
Lawrence Martins
925.383.8310

CONEY ISLAND (RD 2117)
Dante Nomellini
209.465.5883, Bus.
809.969.7755, Bus. Cell

JERSEY ISLAND (RD 830)
Chad Davidson
925.625.2279
ER Contact
925.727.2938

VEALE TRACT (RD 2065)
Dante Nomellini
209.465.5883, Bus.
809.969.7755, Bus Cell

BRADFORD ISLAND (RD 2059)
Dominick Gulli
209.478.6525
Bus. 209.649.4555, Bus. Cell

DUTCH SLOUGH (RD 2137)
Nate Hershey
916.456.4400

PALM-ORWOOD TRACT (RD 2024)
Dante Nomellini
209.465.5883, Bus.
809.969.7755, Bus Cell

WEBB TRACT (RD 2026)
Al Warren Hoslett
209.943.5551, Bus.

HOLLAND TRACT (RD 2025)
David A. Forkel
925.932.0251
925.693.9977

WINTER ISLAND (RD 2122)
Robert Calone
925.432.3300

A.1. SPECIAL FLOOD CONSIDERATIONS

H1 - PUMP STATION 1
Located near station 19+00. Discharge pump may be used during a major flood event; however, additional pumps would be required to dewater the island.

H2 - PUMP STATION 2
Located near station 73+00. Discharge pump may be used during a major flood event; however, additional pumps would be required to dewater the island.

H3 - PUMP STATION 3
Located near station 239+00. Discharge pump may be used during a major flood event; however, additional pumps would be required to dewater the island.

H4 - HOLLAND TRACT BRIDGE
Holland Tract Bridge is the only motor vehicle egress for Holland Tract. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local Reclamation District to gain access to Sandmound Blvd in the event of an emergency.

H5 - FRANKS TRACK OPEN WATER
The flooding threat is predominantly tidal, with some local runoff that can influence conditions. The Old River (on the east side of the island) could pose a riverine flooding threat. Franks Tract (large expanse of open water) can create erosion due to wind/waves.

H6 - WAVE FETCH
The wave fetch is relatively short on the southern, eastern, and western portions of the island and is generally not a concern over much of the District. The northern portion of the island has a wave fetch of up to 3.5 miles across Franks Tract. Channel widths generally vary from 150 to 1,450 feet. The levees are armored with riprap, except some areas along the southern and eastern levees.

H7 - LEVEE STATUS
There is no levee certification status for Holland Tract. The levee geometry generally meets the PL 84-99 Delta Specific Standard.

H8 - TRACT INHABITANTS
Two active marinas are located along the south levee (Lindquist Landing and Holland Riverside Marina), with up to 40 inhabitants living boats at any given time.

H9 - LEVEE ACCESS
County-maintained road is located on the crown of the south levee and portions of the east levee.

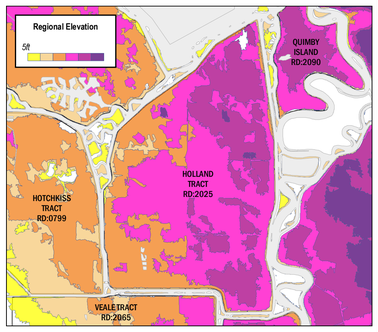
H10 - LAND USES
Portions of the island are farmed or leased for grazing, with operations supported by various facilities and equipment. The island also has permanent habitat sites.

H11 - PUMP STATION INFRASTRUCTURE
Infrastructure includes pumping stations for drainage and associated electrical lines.

LOCAL TOPOGRAPHY

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]



B.1. FLOOD CONTINGENCY OPTIONS

H1 - 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. 2,000 feet. Muscle wall or temporary earthen levee is recommended.

ACTIONS
The District maintains stockpiles of riprap on the island and has equipment available to perform levee maintenance and repairs.
1. Deploy flood fight materials to prevent levee degredation and activate workforce for levee patrols.
2. Prepare resources for temporary earthen levee or muscle wall.
Muscle Wall Material Required:
2000 feet of temporary levee will require approximately 334 segments of muscle wall, 3340 sandbags, and 1670 cubic feet of sand.
OR
Temporary Earthen Levee Material Required:
2000 feet of temporary earthen levee (2ft high x 4ft wide) will require approximately 40 rolls of 10 mil plastic sheeting, 600 sandbags, and 90 cubic yards of fill. Approximately 11.1 cubic yards of fill for sand bags and 78.9 cubic yards of fill for visqueen fill.

H2 - WAVE WASH
Wind waves could occur at this location. Wind waves causing erosion will lead to levee failure if not addressed for long periods of time; protection area approx. 1000 feet.

ACTIONS
The District has flood fight materials stored on-island for use during a flood fight.
1. Deploy flood fight materials to prevent levee degredation.
2. Protect area exposed to wind waves with envelope style wrap.
Wave Wash Protection Material Required:
1000 feet of envelope wave wash will require approximately 20 rolls of 10 mil plastic sheeting, 300 sandbags, 150 cubic feet of sand, 20 rolls of twine, 100 plastic buttons or rocks, and 200 [1" x 3" x 2'] stakes.

H3 - BOIL FROM SEEPAGE THROUGH LEVEE
Boil events caused by large volumes 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.

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

C. REPAIR CONTRACTORS & MATERIAL SUPPLIERS

FLOOD FIGHT LABOR

Labor Ready Sacramento
916.374.9501

Labor Ready Concord
925.827.2352

Labor Ready Oakland
510.981.8226

REPAIR CONTRACTORS

Dutra Group
160 River Rd, Rio Vista, CA
707.374.5127

Teichert Construction
24207 County Rd 100A, Davis, CA
530.406.4200

Teichert Construction
4401 Duluth Ave, Roseville, CA
916.645.4800

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

MATERIALS SUPPLIERS

Dutra Materials
615 River Rd, Rio Vista, CA
707.374.6964

Dutra Materials
1000 Point San Pedro Rd, San Rafael, CA
415.459.7740

Syar Industries
16560 County Rd 89, Esparto, CA
530.787.2020

Syar Industries
885 Lake Herman Rd, Vallejo, CA
707.643.3261

Teichert Aggregates
4249 Hammonton Smartville Rd, Marysville, CA
530.743.6111

Teichert Aggregates
3331 Walnut Ave, Marysville, CA
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

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

LOCAL SUPPLY PROVIDERS

Ace Hardware
Antioch
501 Sunset Dr, Antioch, CA
925.757.2500

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

Ace Hardware
Oakley
305 5th St, Oakley, CA
925.625.2449

Ace Hardware
Pittsburg
125 E Leland Rd, Pittsburg, CA
925.432.6089

Lowe's
Antioch
1951 Auto Center Dr, Antioch, CA
925.756.0370

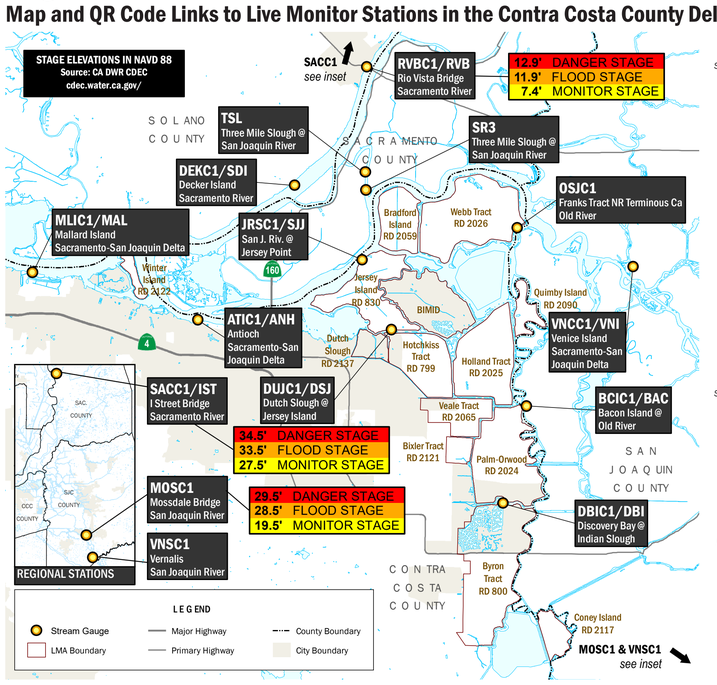
Lowe's
Antioch
5503 Lone Tree Way, Antioch, CA
925.779.6060

Home Depot
Brentwood
5631 Lone Tree Way, Brentwood, CA
925.513.6060

Home Depot
Pittsburg
2300 N Park Blvd, Pittsburg, CA
925.473.1900

Regional Stream Monitor Stations

Map and QR Code Links to Live Monitor Stations in the Contra Costa County Delta Region



ATIC1/ANH — *Antioch* — *Sacramento-San Joaquin Delta* — LIVE CHART

BCIC1/BAC — *Bacon Island @ Old River* — *Old River* — LIVE CHART

DBIC1/DBI — *Discovery Bay @ Indian SI.* — *Indian Slough* — LIVE CHART

DEKC1 — *Decker Island* — *Sacramento River* — LIVE CHART

DUJC1/DSJ — *Dutch Slough @ Jersey Island* — *Dutch Slough* — LIVE CHART

JRSC1/SJJ — *San Joaquin River @ Jersey Point* — *San Joaquin River* — LIVE CHART

MLIC1/MAL — *Mallard Island* — *Sacramento-San Joaquin Delta* — LIVE CHART

MOSC1/MSD — *Mossdale Bridge* — *San Joaquin River* — LIVE CHART

VNCC1/VNI — *Venice Island* — *Sacramento-San Joaquin Delta* — LIVE CHART

OSJC1 — *Franks Tract, Terminous* — *Old River* — LIVE CHART

RVBC1/RVB — *Rio Vista Bridge* — *Sacramento River* — LIVE CHART

SACC1/IST — *I Street Bridge* — *Sacramento River* — LIVE CHART

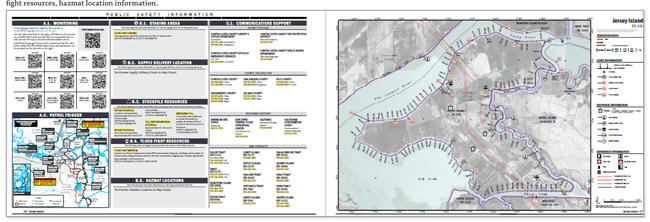
Contra Costa County Levee Maintaining Agencies

Key To Companion Mapbook Design & Pages

PUBLIC SAFETY SPREAD

LEFT PAGE
Presents links to live stream level monitoring information along with communications support information. Provides additional information about features found on corresponding map (right page) including staging areas, supply delivery locations, stockpile resources, flood fight resources, hazmat location information.

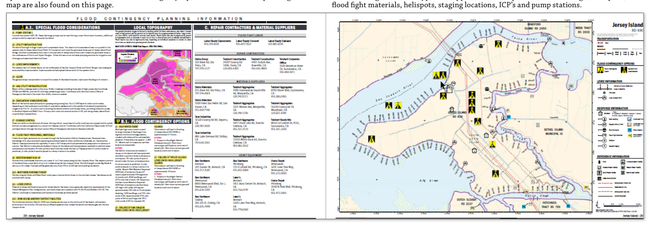
RIGHT PAGE
Map of public safety information for the LMA including general road basemap, levee locations and measured levee stationing, and response information.
General evacuation routes and rally points are provided for populated LMA's.



FLOOD CONTINGENCY PLANNING INFORMATION SPREAD

LEFT PAGE
Presents the general topography the LMA along with repair contractor and material supplier information.
Special Flood Consideration and Flood Contingency Option narratives corresponding to the map are also found on this page.

RIGHT PAGE
Map of Special Flood Considerations and Flood Contingency options in addition to general road basemap, levee locations and measured levee stationing, and flood response information including - structure types and approximate occupancies, boat landings, stockpiles, flood fight materials, helispots, staging locations, ICP's and pump stations.



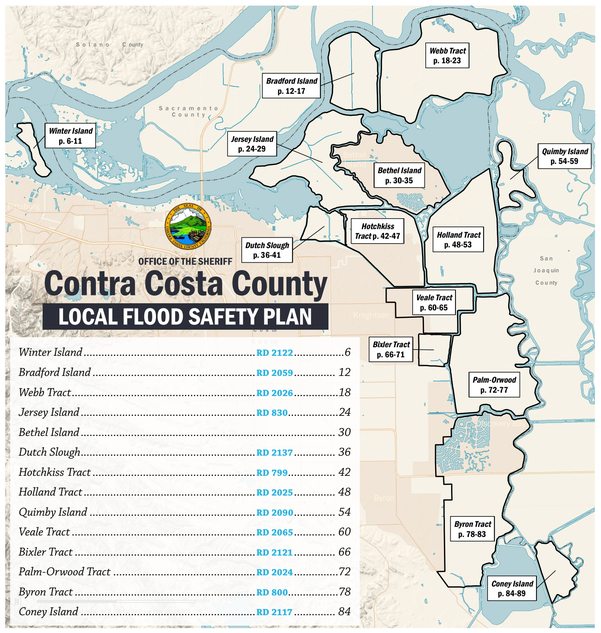
CONSULTANT TEAM

Michael Skowronek
Michael Baker International, *Project Manager*

Kenneth Zaklukiewicz
Michael Baker International, *Local Flood Safety Plan Author*

Ethan Mobley
Dynamic Planning + Science, *GIS & Planning Manager*

Brian Greer
Dynamic Planning + Science, *Lead Cartographer*



HOLLAND TRACT