



**Evacuation Plan**  
Responsible Agencies  
San Joaquin County Sheriff's Department is responsible for alert, warning and evacuation within RD 544, RD 524, Drexler Tract and Honker Tract. City of Stockton is responsible for evacuation of Stockton wastewater treatment ponds and tertiary plant if necessary. CHP and CalTrans will close State Highway 4.  
Public Safety Agencies Evacuation Plan  
Roberts Island is a sparsely populated rural area. Structures, marinas, commercial facilities, and locations of hazardous materials are shown on Roberts Island Flood Contingency Map along with road system. San Joaquin County Sheriff will establish command post with CHP, CalTrans, and owners of critical infrastructure within island. Digital copy of flood contingency map is available to San Joaquin County Sheriff's Department which will add evacuation sectors and other control information to map appropriate to the situation. Modified Roberts Island Flood Contingency Map will be downloaded to patrol vehicle computers to provide instructions and information officers need to conduct evacuation.

**Flood Fight History**  
1997 Heavy rains during period of December 30 to January 2nd caused record floods. Water levels reached 6.5' at Burns Cut; 7.7' in Middle River near Pocket area; 24' at Mossdale in Upper Roberts District. Water levels stayed high for two to three weeks.  
1893 Failure on Burns Cut (then Burns Slough) on March 21st flooded middle Roberts Island. Repair of the break on Burns Cut allowed flood fighters to hold the lower cross levee. The island's lower division survived. Anecdotal statements indicated that water only reached to Howard Road to the south.  
1890 Failure of levee near head of Whiskey Slough on May 29th flooded extensive areas of lower Roberts Island. Cross levee to south of break (Howard Road Dry Land Levee) was successfully flood fought and saved many crops on the upper division of Roberts Island.  
1997 Levee of Upper and Middle Roberts Districts saw very high water levels (about 23.5 feet at Mossdale) with extensive seepage and one serious boil at south end of Upper Roberts District for about 2-3 miles along Middle River and San Joaquin Rivers from where the rivers split. Sloughing of levee was experienced along Middle River about 1 mile west of Old River split and 1.5 miles further down river near where Willow Glen Road comes up against the levee. Beaver hole also caused problems in this latter location. Levees held and no flooding of Roberts Island Districts occurred outside of extensive seepage ponding up to one mile from seepage locations on south side of district. Water levels along Lower Roberts District levees were not threatening. Reports were that water in 1950 flood went up and down fast while 1997 saw extended period of high water.  
2004 Failure of Middle River levee on Upper Jones Tract on June 3rd threatened to overtop Trapper Slough levee and flood Drexler Tract, Honker Lake Tract and Lower Roberts District 684. Emergency actions taken to raise Trapper Slough levee from average elevation of 6.0' to high tide elevation of 8.5'.

**Special Considerations**  
RD 524  
San Joaquin River originally went through Burns Cut levee. Creation of ship channel lowered 100-year flood flows through Burns Cut to much below levee height. Potential need for a relief cut at Burns Cut would recommend the lowering of Reclamation District 524 at this location by 4 feet to facilitate implementation of relief cut.  
Potential need for a relief cut on south side of Burns Cut presents a scour threat to the Rough and Ready levee on the north side. Appropriate armoring of that levee across from planned relief cut is recommended or at least plans for doing so in a crisis.  
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the Reclamation District 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

**Communications Plan**  
Field Command Posts  
RD 524-01 Roberts-Union Farm Center 4925 121°22'30.92"W 37°52'37.79"N  
& RD 544 Howard Rd, Stockton  
RD 524-02 Storage warehouse, South side of Hwy 4, Stockton 121°19'45.65"W 37°55'40.63"N  
Communications Equipment  
None of the three reclamation districts within Roberts Island own communications equipment.  
Internal Communications  
Means of internal communications among RD 544 & RD 524 district staff and levee patrols will be personal cellular telephones. Telephone numbers will be assigned for response functions at the time of activation.  
Communications with outside Jurisdictions  
Primary means of communications with outside jurisdictions for all three districts will be personal cellular telephones. Secondary means of communications will be 1) daily meetings of Central Delta Unified Flood Fight Command, 2) public safety unified command post, and 3) San Joaquin Operational Area EOC.

**Flood Contingency Options**  
**RD 524 & 544 (Roberts Island)**  
Highwater Event  
The general flood fight strategy will be to flood fight primary levees and ensure that options to limit flooding from levee failure can be initiated promptly if appropriate.  
**Actions - Lower Roberts District:**  
- Review requirements to raise Inland Drive/Natali Road Dryland Levee 8 feet and identify resources.  
- Review requirements for flood fighting railroad embankment west of Inland Drive and/or Jacobs Road Dry Land Levee.  
- Review requirements and identify resources for Burns Cut Relief Cut (See Special Considerations).  
- Review Plan for flood fighting Honker Lake Dry Land Levee if needed.  
**Actions - Middle Roberts District:**  
- Review Plan to flood fight Inland Drive south of Honker Lake Dry Land Levee.  
- Obtain Lower Roberts District plan for raising of Inland Drive/Natali Road Dryland Levee.  
**Actions - Upper Roberts District:**  
- Review plan for cutting Upper Roberts Dry Land Levee.  
**Failure of Trapper Slough Levee from Flood on Reclamation District 2038 (Lower Jones Tract) or Reclamation District 2039 (Upper Jones Tract) or Drexler Tract/Upper Jones Tract**  
This scenario will lead to flooding of Drexler Tract and Pocket. The general flood fight strategy will be to prevent eastward and southward movement of floodwaters.  
**Actions - Lower Roberts District:**  
- Flood fight Honker Lake Dry Land Levee; in event of failure, flood fight Burlington Northern Santa Fe Railroad Embankment from Inland Drive to Whiskey Slough as well as Inland Drive. In event of railroad embankment failure or railroad refusal of use, flood fight Jacobs Road Dry Land Levee to Inland Drive.  
**Actions - Middle Roberts District:**  
- Flood fight Inland Drive south of Honker Lake Dry Land Levee to Middle River.  
**Failure of Primary Levee in Upper Roberts District (RD544)**  
This scenario will lead to flooding of Upper and Middle Roberts Districts with floodwaters moving through middle of districts and then ponding toward higher ground along easterly and westerly levees. Water will pond behind Upper Roberts Dry Land Levee before overtopping and continuing to flow north. First contact of water with Inland Drive/Natali Road Dryland Levee will probably be in the Pocket Area. The general flood fight strategy will be to prevent movement of floodwaters to higher ground in Upper and Middle Roberts Districts and north into Drexler Tract and Lower Roberts District.  
**Actions - Lower Roberts District:**  
- Make Burns Cut Relief Cut one-quarter mile east of Natali Road; lower levee to near water level of Burns Cut one-quarter mile East of Natali Road; finish cut when floodwaters make district equate with Burns Cut waters; extend out until rise of floodwaters ceases.  
- Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet).  
- Flood fight Inland Drive/Natali Road Dryland Levee from Burns Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4.  
**Actions - Honker Lake Tract Landowners:**  
- Flood fight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Railroad Embankment and Highway 4 to Kingston School.  
**Actions - Drexler/Pocket Area:**  
- Flood fight Inland Drive/Natali Road Dryland Levee from Kingston School to Landowners Middle River.  
**Actions - Upper Roberts District:**  
- Make cut in Upper Roberts Dry Land Levee to facilitate flow of water through middle of Upper and Middle Roberts Districts to prevent ponding toward higher ground.  
**Actions - City of Stockton:**  
- Flood fight Waste Treatment Facility Levees.  
**Failure of Primary Levee in Middle Roberts District (RD524)**  
This scenario will lead to flooding of Middle Roberts District with floodwaters moving through middle of district and then ponding toward higher ground along easterly and westerly levees and south toward Upper Roberts District. The general flood fight strategy will be to prevent movement of floodwaters north and west into Drexler Tract and Lower Roberts Districts and south into Upper Roberts District.  
**Actions - Lower Roberts District:**  
- Make Burns Cut Relief Cut one-quarter mile east of Natali Road; lower levee to near water level of Burns Cut one-quarter mile East of Natali Road; finish cut when floodwaters make district equate with Burns Cut waters; extend out until rise of floodwaters ceases.  
- Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet).  
- Flood fight Inland Drive/Natali Road Dryland Levee from Burns Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4.  
**Actions - Honker Lake Tract Landowners:**  
- Flood fight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Railroad Embankment and Highway 4 to Kingston School.

**Levee Patrol Plan**  
Districts have informal patrol systems using residents. During high water patrol schedules and reaches are developed by the District Incident Commander. Middle and Upper Roberts uses a command post at Roberts Farm Center on Howard Road as a coordination point. Upper Roberts District used around 20 individuals during 1997 paired as teams. Middle Roberts District personnel generally assist Upper Roberts District in patrolling since greatest threat is on the upper portion of the levee system. Communications will be with personal cellular telephones.  
**City of Stockton:**  
- Prepare to flood fight Waste Treatment Facility.  
**Lath Protocol**  
Red - Boil/Seepage  
Blue - Rock Slippage  
White - Slope/Levee Distress

**Tactical Plans - (Preliminary Engineering Designs)**  
P.E.D.'s have not been prepared for RD 524 or 544.  
For tactical information/actions refer to the Flood Contingency Options text box.

**Delivery Points and Supply Staging Areas**  
The following locations will be used to deliver flood fight materials to district officials if requested, exact delivery point will be identified at time of resource request. District officials will meet resources at the designated delivery point to take delivery or guide vehicles carrying resources to final unloading point.  
**Middle Roberts**  
DP-01 Middle Roberts Storage Warehouse, South side of Hwy 4, Stockton 121°19'45.65"W 37°55'40.63"N  
**Upper Roberts District**  
DP-02 Robinson Farms Bowman Ranch at corner of Bowman and Roberts Roads. 121°20'17.75"W 37°51'45.41"N  
**Upper and Middle Roberts Districts**  
DP-03 Roberts Farms Bowman Ranch at corner of Bowman and Roberts Roads. 121°20'19.14"W 37°50'24.19"N

**Dewatering Plan**  
**Situation:**  
Roberts Island has a gradient drop of approximately 15'-18' from south to north. Flood waters entering Upper Roberts (RD 544) will flow naturally to north. Inland Drive/Natali Road Dryland Levee might hold flood waters moving north from entering Lower Roberts (RD 684) if Burns Cut Relief Cut is made. Burns Cut Relief Cut allows flood waters entering Upper Roberts (RD 544) or Middle Roberts (RD 524) to return to river. Lower Roberts (RD 684) has no gradient so flood waters entering from Middle Roberts or breach in RD 684 levee will be pumped out.  
**Flood Water Removal Plans:**  
**Upper Roberts (RD 544)**  
Flood waters drain to Middle Roberts (RD 524) naturally. Repair levee breach and use local pumps to dewater any areas of standing water that are remaining after river returns to normal levels.  
**Middle Roberts (RD 524)**  
Make Burns Cut Relief Cut to stabilize flood water at lowest possible elevation. Allow flood waters to drain through relief cut to extent possible. Repair relief cut and use Woods Irrigation District Pumping Station to dewater remaining ponded flood waters when river returns to normal elevations.

**Survey Information**  
**Basis of Elevations**  
Original elevations for RD 524 & RD 544 Flood Contingency Mapping are based on the National Geodetic Vertical Datum of 1929 (NGVD29). Elevations have been converted to approximate North American Vertical Datum of 1988 elevations (NAVD88) by adding +2.5 feet to original NGVD29 elevations.  
100 Year Flood Elevation: 2009 FEMA Firm  
Contours: 2007 DWR LIDAR