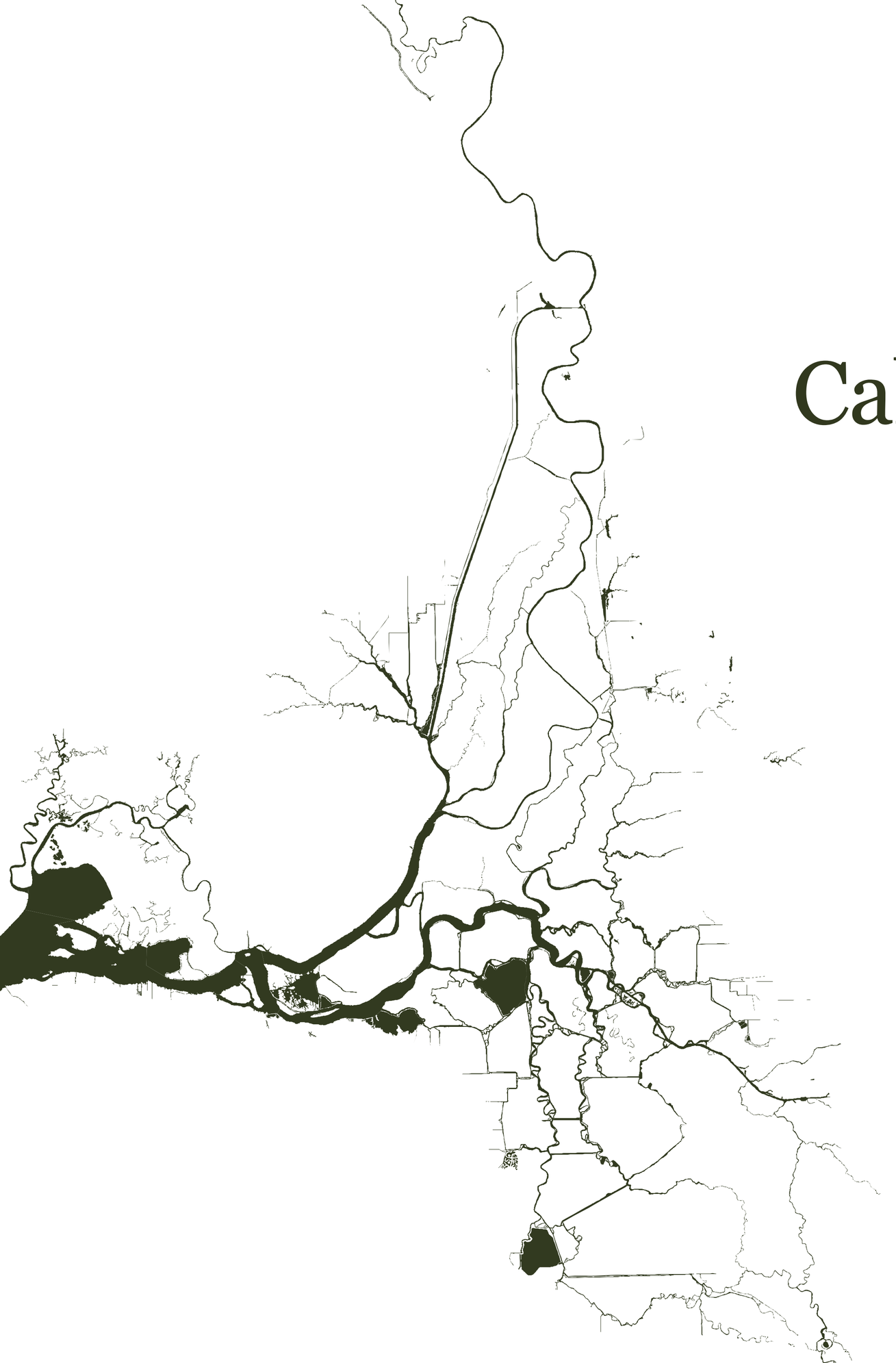


California Delta Region

Flood Emergency Response Mapbook

Prepared for

US Army Corps of Engineers®
Sacramento District

Prepared by

Michael Baker Jr., Inc.

Photo Science

Legend

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Jail Prison
- Medical Care Facility
- Nursing Home
- School

Health & Safety

- Coast Guard Station
- Fire Station
- Hazardous Material
- Police Station

Transportation

- Airport Facility
- Bus Facility
- Ferry Facility
- Highway Bridge
- Port Facility
- Rail Facility
- Railway Bridge

Utility

- Communication Facility
- Dam
- Oil Facility
- Public Water Supply
- Solid Waste Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

Flood Response

Feature Identifier
The ID found at the top of each Special Flood Consideration and Flood Contingency Option symbol on the map is a universal identifier. This ID can be used to find corresponding supplemental information about each feature on the Incident Action Plan page (left page) of each spread in the mapbook.

- Special Flood Consideration
- Flood Contingency Option
- Boat Launch
- Helipad
- Supply Delivery Point
- Proposed Emergency Berm
- Proposed Levee Relief Cut
- Proposed Temporary Barriers Waterway

Incident Command

- Emergency Operations Center
- Field Command Post
- Emergency Workers Camp
- Mass Care Shelter
- Transfer Pick Up Point
- Joint Field Office
- Logistics Base
- Emergency First Aid Distribution
- Rally Point

Staging & Supply

- Earthen Material
- Emergency Generator
- Flood Response Resources, Supply Staging
- Large Equipment Staging
- Repair Contractor Location
- Rock Barge Staging

FLOOD CONTROL

Levee Information

- Levee Station
- Historic Levee Relief Cut
- Levee Access
- Levee Breach
- Levee Distress Point
- Levee Centerline
- Sand Boil
- Levee Erosion
- Levee Gravity Drain
- Levee Seepage
- USACE Project Levee Centerline

Water Control

- Agricultural Return Drain
- Cross Channel Gate
- Pump Station
- Salinity Control Gate

BASE MAP

Boundary

- County
- Reclamation District
- Delta, Legal
- Populated Place
- Delta, Primary

Environmental

- Fault

Transportation

- Bouy, Port
- Bouy, Green-Red-Green
- Bouy, Red-White
- Bouy, White-Black
- Railroad
- Road, Primary Highway
- Road, Major Highway
- Road, Major
- Road, Minor
- Bouy, Starboard
- Bouy, Red-Green-Red
- Bouy, White
- Bouy, White-Orange
- Road, Ferry
- Road, Ramp
- Road, Major Trail
- Road, Minor Trail

Elevation

Below Sea Level

- Less Than -15 Feet
- -15 to -10 Feet
- -10 to -5 Feet
- -5 to 0 Feet

Above Sea Level

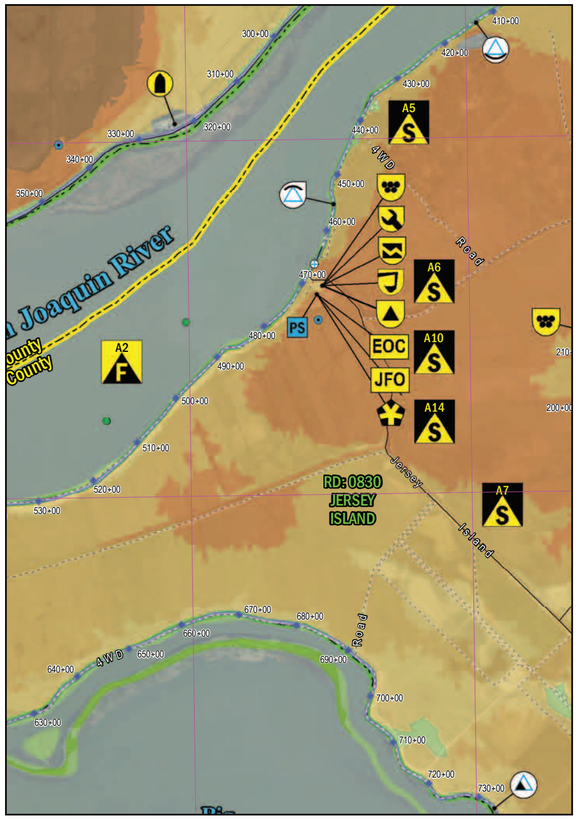
- 0 to 5 Feet
- 5 to 10 Feet

Elevations above 10 feet not shown.

Labels

- County — County
- District — Reclamation District
- Road — Road, Major
- Shield, Interstate
- Shield, State Highway
- Rail — Railroad
- Body — Water Body
- Place — Populated Place
- General — General Label
- Trail — Road, Major Trail
- Shield, US Route
- Shield, County
- Stream — Water Line

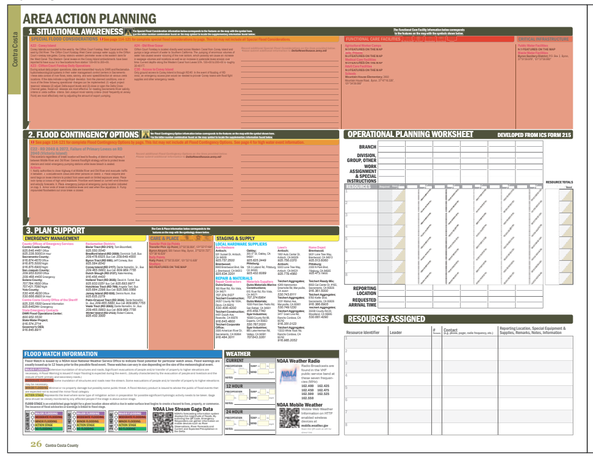
MAP SAMPLE



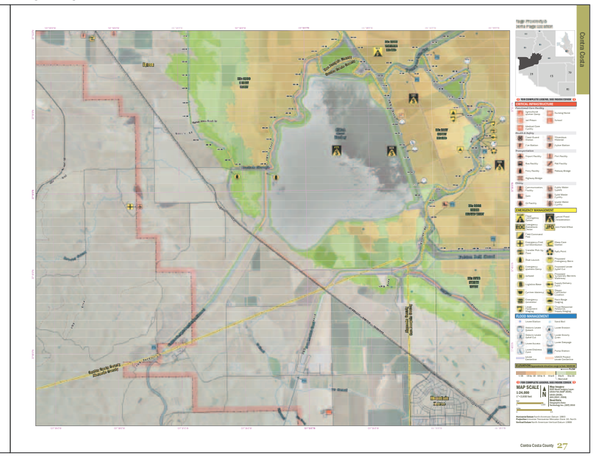
MAPBOOK LAYOUT

Mapbook Page Spread

Area Action Planning Page
Left Page



Map Page
Right Page



Area Action Plan Information

The left page in each page spread is the Area Action Planning page. It provides supplementary information unique to each map book page. The information includes County Office of Emergency Services contact information and important supply information. The pages provide more context to features found on the accompanying map.

Most importantly, the Area Action Planning page contains detailed information about the Special Flood Consideration and Flood Contingency Options found on the map. This includes narrative detail about the nature of each feature along with recommended actions. The detailed information about each Special Flood Consideration and Flood Contigency Option can be found using the unique identifier that accompanies the symbol on the map. The areas highlighted above in red reflect the information that is unique to the features on each map page.

Map Page Information

The right page in each page spread is the Map Page. It provides spatial context for the geography covered in each Mapbook Page Spread. This information includes critical infrastructure, emergency management, flood control and base map information. Each Map Page includes a detailed map of the area of detail in the Mapbook Page Spread. The area covered in indicated by the locator map in the upper right corner of the page. This indicator map indicates the area within the Legal Delta that is covered as well as the pages in the book that cover the adjacent area. Also included on the right side of the page is a partial map legend and reference information regarding the map.

California Delta Region

Flood Emergency Response Mapbook
September 2011

Mapbook Information

Design of the Mapbook

This mapbook includes 49 maps covering the entire Sacramento-San Joaquin Delta and the Suisun Marsh. The scale of the maps vary from 1:24,000 to 1:30,000, 1:36,000, 1:48,000 and 1:63,360. The area covered on each map includes a focus area, most commonly a Reclamation District or a hydrologic unit such as a Delta Island and the surrounding sloughs. The panel schema was developed in an attempt to portray the focus areas, or specific hydrologic units, in their entirety on a single mapbook page. A portion of each focus area may appear on multiple pages, however, each Reclamation District or series of hydrologically related Delta Islands will be found on one page in their entirety. Unlike a traditional atlas, in this mapbook there is overlap in the geography covered from page to page.

The mapbook is divided into five sections by county. Each two-page spread has a map on the right side of the spread and an Area Action Planning page on the left side of the spread. The Area Action Planning page has information about the features located on the map along with tools to record vital information during a flood fight. For further information refer to “Mapbook Layout” below the legend on the inside cover.

This mapbook is to be used in conjunction with corresponding large-scale wall maps which provide a common link from emergency operation centers to field personnel conducting flood fights using the USACE mapbook product. The large-scale wall maps and mapbooks will be available upon request from the USACE Sacramento District.

Data Note

Effective communication, interoperability and response to large incidents require real-time collaboration among multiple agencies. Spatial data interoperability is a critical component to effective emergency response management when responding to flood events. USACE has developed the Flood Fight Spatial Data Model as the standard to be used. This mapbook and Flood Fight Spatial Data Model are intended for use by local, state and federal personnel while in the field and in emergency operation centers. Elements of the data model include data for Critical Infrastructure, Emergency Management, Flood Control, and base map information. The data model is provided on the disk located inside the back cover of this mapbook.

Symbology

Symbology is an important step in bringing emergency response mapping standardization to the Delta region. The Delta Symbology Standardization Manual provides instructions on designing symbology based on simple recognition and intuitiveness. Using this approach, symbol shape, color and contrast are used to create symbology patterns that differentiate categories of emergency management map features. These symbology patterns allow the maps to be interpreted quickly.

USACE provided their color standards in CMYK percentages (to be used for objects sent to printing devices) and RGB values (to be used for objects displayed on screen) as a standard baseline for use in the Delta region mapping efforts. These colors are included as color swatches in an ESRI ArcGIS style file (.style) as well as an Adobe Exchange swatch file (.ase) located on the DVD inside the back cover of this document.

The USACE Delta Symbology Standardization Manual provides a baseline for current and future emergency management planning in the Delta region and will be used for displaying emergency management resources, critical infrastructure, functional care facilities, flood control infrastructure and detailed levee information.

Data Accuracy

The Special Flood Consideration and Flood Contingency Option (SFC/FCO), including spatial database information that contributed to the SFC/FCO layer, has been prepared, in part, based upon information provided by others.

USACE, Michael Baker, Jr., Inc., and Photoscience assume no responsibility for the accuracy of this document or for any errors or omissions that may have been incorporated into it as a result of incorrect information provided by others. Those relying on this document are advised to obtain independent verification of its accuracy. USACE; Michael Baker, Jr., Inc.; and Photoscience have compiled the information in this mapbook with care using the best available data at the time of publication. USACE, Michael Baker Jr., Inc. and Photoscience are not responsible for property damage or loss of life as a result of recommended actions documented in this mapbook.

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This book is printed on water and tear resistant paper. The paper can be marked, than erased using pencil lead. Ink will leave a permanent mark on the page.

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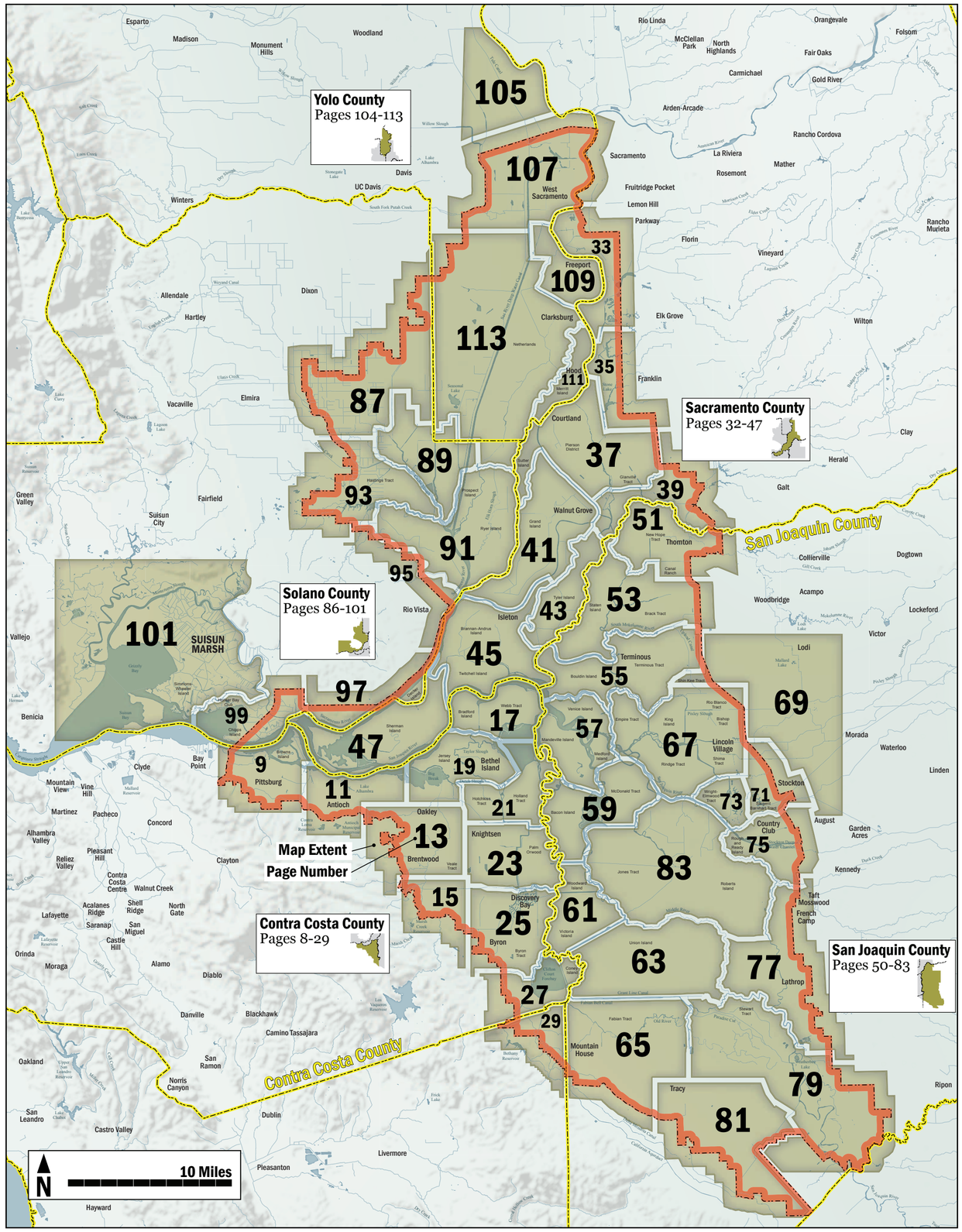

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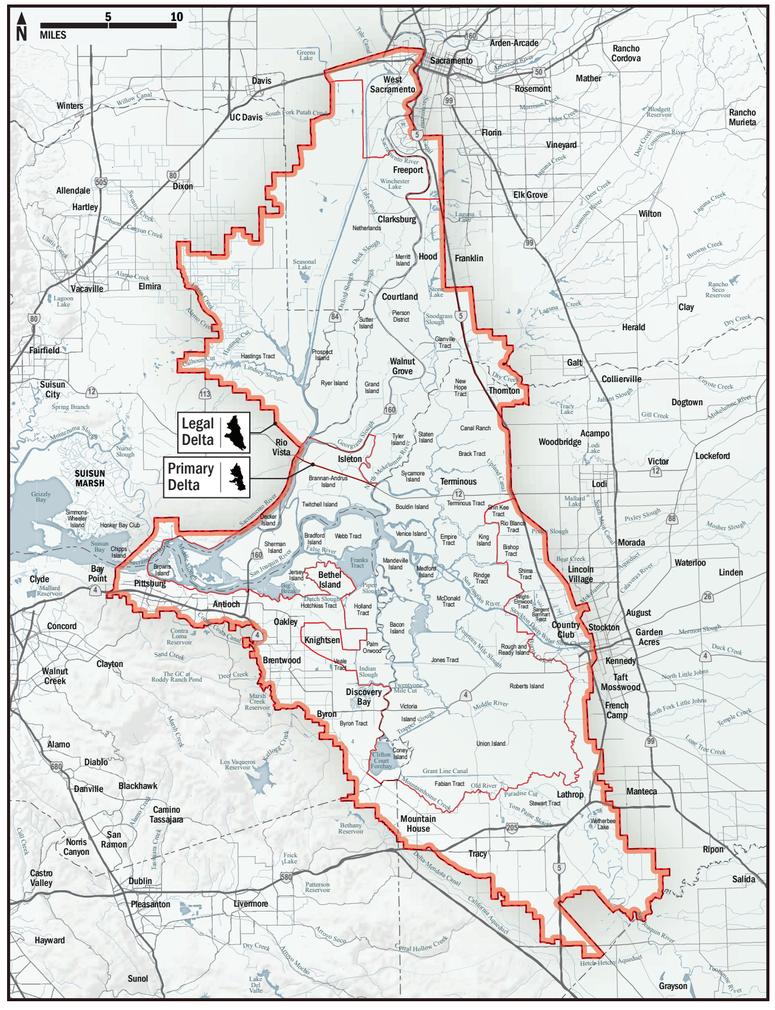
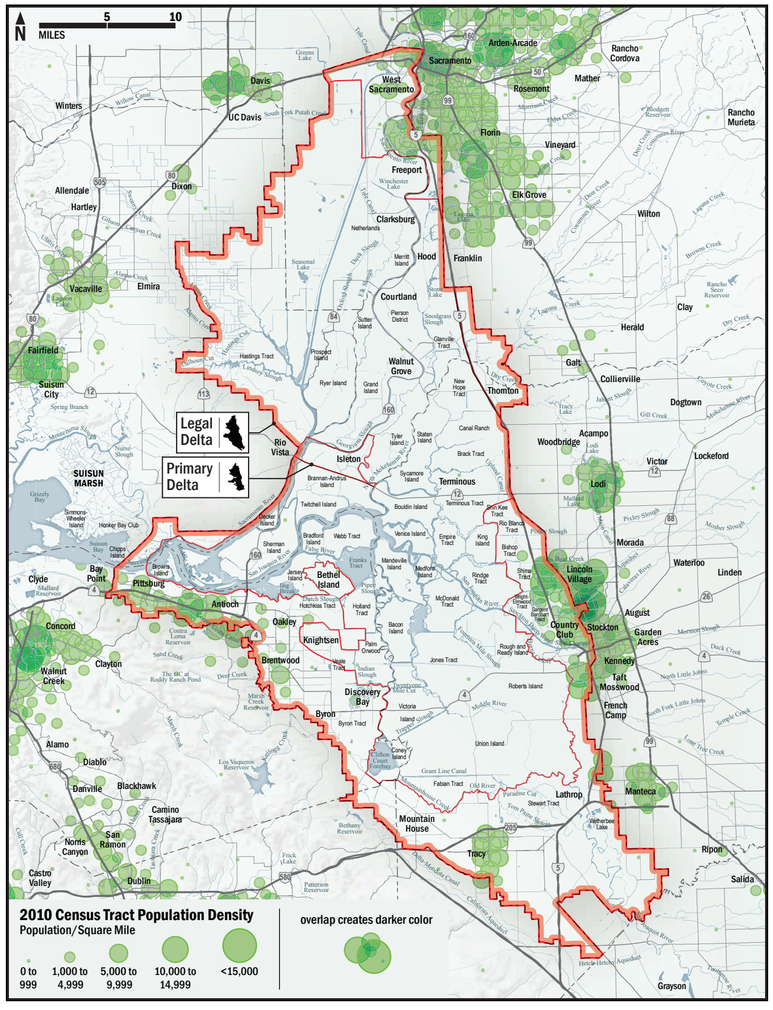
The Delta Region

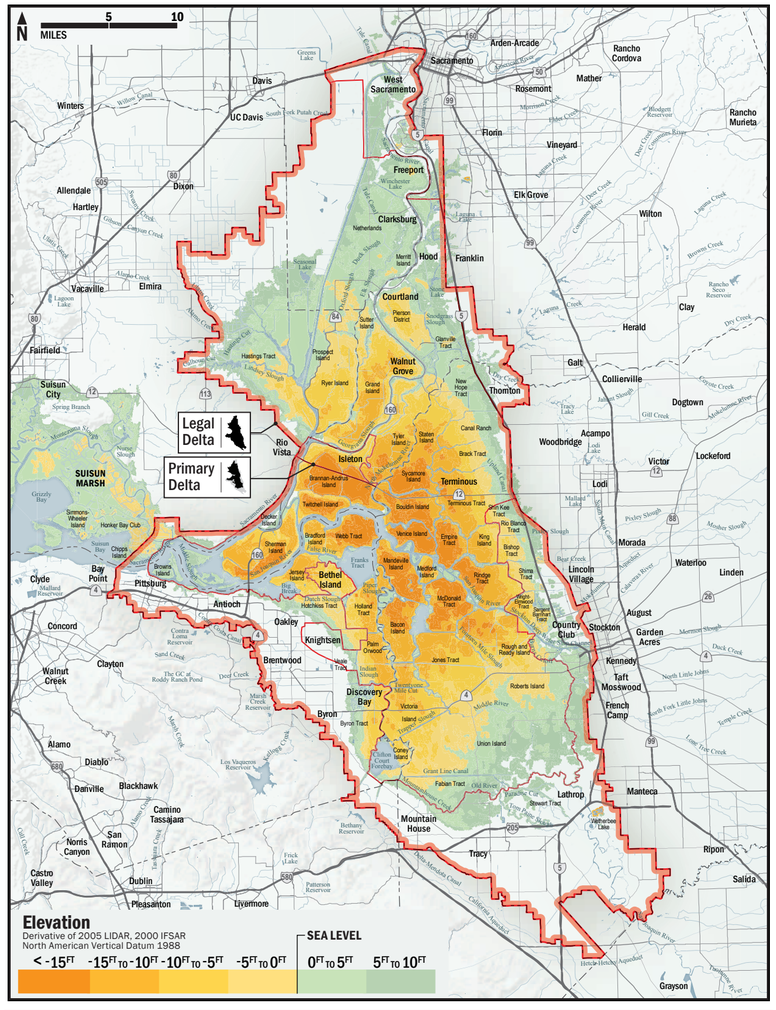
The Legal Delta



Population in the Delta Region



Land Elevation in the Delta Region



Legal Delta ..... 1,152 square miles

Primary Delta ..... 766 square miles

Counties & Places in the Delta Region

Contra Costa County

1,049,025 people

750mi²	174mi²	23%	15%
total county area	county area in delta	county area in delta	total delta area

Census 2010 population figures for populated places with area inside the Delta region.

Incorporated

Antioch	102,372
Brentwood	51,481
Oakley	35,432

Census Designated Place

Bay Point	21,349
Bethel Island	2,137
Byron	1,277
Discovery Bay	13,352
Knightsen	1,568

Sacramento County

1,418,788 people

995mi²	186mi²	19%	16%
total county area	county area in delta	county area in delta	total delta area

Census 2010 population figures for populated places with area inside the Delta region.

Incorporated

Isleton	804
Sacramento	466,488

Census Designated Place

Laguna West-Lakeside	20,648
Walnut Grove	1,542

San Joaquin County

685,306 people

1,431mi²	497mi²	35%	43%
total county area	county area in delta	county area in delta	total delta area

Census 2010 population figures for populated places with area inside the Delta region.

Incorporated

Lathrop	18,023
Lodi	62,134
Manteca	67,096
Stockton	291,707
Tracy	82,922

Census Designated Place

Country Club	9,379
French Camp	3,376
Lincoln Village	4,381

Solano County

413,344 people

849mi²	143mi²	17%	12%
total county area	county area in delta	county area in delta	total delta area

Census 2010 population figures for populated places with area inside the Delta region.

Incorporated

Rio Vista	7,360

Yolo County

200,849 people

1,023mi²	144mi²	14%	13%
total county area	county area in delta	county area in delta	total delta area

Census 2010 population figures for populated places with area inside the Delta region.

Incorporated

West Sacramento	48.744

DELTA REGION HIGH WATER EVENT FLOOD CONTINGENCY OPTIONS

HIGH WATER EVENT

The general flood fight strategy will be to protect the perimeter or primary levees protecting, people and property. Emergency flood fight measures should be coordinated and supervised by Reclamation Districts (RDs), Levee Maintaining Agencies (LMAs), and/or a combination of levee owners and flood control device operators. The primary flood fight strategy is to patrol primary levees, ensure flood control devices remain operational, and monitor the situation for any levee distress or threat of imminent failure. The flood fight personnel will coordinate levee patrol with County, State and Federal teams assigned to assess and/or flood fight on private, state, and federal levees. County Emergency Services should be contacted to address imminent failure threats. County Emergency Services should coordinate action planning between levee districts and State/Federal agencies and provide logistical support when necessary. In the event that access from land or water is restricted due to the flood, local flood fight personnel will monitor and arrange to implement emergency access plans with specific county OES in the region. For unexpected levee failure, or threat of imminent failure contact DWR Flood Operations Center (916.514.2619) for emergency response assistance and flood fight strategy.

ACTIONS

1) Upon receipt of high water notification, the local maintaining agency should establish levee patrol, form a skeleton organization capable of quick expansion, and assign individuals to have charge of definite sections of levees. In order to provide proper condition assessments, maintain adequate patrol and flood fight personnel.
2) Maintain detailed inspection reports, particularly with reference to the following matters: condition of levees and recent repairs, road crossings or other locations where the levee is below grade, condition of culverts, flap gates, sluice gates and trash racks. Report all levee erosion, slumping, seepage and/or boils forming.
3) Obtain and distribute necessary tools and flood fight materials (sacks, sandbags, brush, lumber, lights, etc.) at points where flood maintenance is anticipated. Fill any holes or washes found in the levee with compacted material. Repair gaps where road crossings have worn down the levee crown or other locations where the levee is below grade; locate any right-of-way encroachment that could impede access and efficient operation and determine any action required.
4) If flooding is eminent, make requests as appropriate to local, State and Federal personnel for assistance with flood fight resources. Verify evacuation plans with emergency response agencies. Verify and establish supply staging areas, procure and pre-position equipment, establish movement plan for resources into the area in the event that land access is degraded. Review specific protective actions to protect vital facilities in event of failure. Evaluate secondary line of defense if primary levees fail (i.e. required height of inland levees and Preliminary Engineering Design (PED) plans if they exist). Calculate amount of material necessary to implement PED and further protection methods and coordinate with local suppliers and EM personnel. Verify emergency power to maintain pump stations and other flood control structures. Locate transportation resources, including available trucks and heavy hauling equipment.

Flood Fight Methods

Source
Emergency Flood Fighting Methods
Rick Burnett and Elizabeth Bryson
State of California, California Natural Resources Agency, Department of Water Resources
Division of Flood Management, Flood Operations Branch, August 2010.

Levee and Embankment Threats

The main causes of levee failure or flood related problems due to high water are:
• Seepage through or under the levee heavy enough to cause a "boil".
• Erosion of the levee or embankment due to swift moving water or wave action.
• Overtopping resulting from water-surface elevations higher than the levee or embankment.

Patrolling

The best defense against flood related issues and/or levee failure is to identify problems early and repair them immediately. Biannual levee inspections and effective high water patrolling make this possible. The following suggestions will help in organizing patrol teams for this work.
• Operate under the SEMS / ICS system and report to the appropriate section chief.
• Provide a sufficient number of workers for two 12 hour shifts.
• Provide each worker with a copy of this 'Flood Fighting Methods' handbook.
• Assign two people to each mobile patrol.
• Assign each mobile patrol vehicle an area no larger than can be inspected at least every 2 hours, with more frequent patrols as conditions warrant. Foot patrols may offer a more thorough inspection.
• Furnish each mobile patrol vehicle with radio/cell phone or other communication equipment, lights for night patrol, and the following materials: Laths, survey ribbon, permanent marker, pad and pencil, flashlight with extra batteries, 2 shovels, 1 sledge hammer, approximately 50 sandbags (empty), 1 roll of plastic sheeting (visquine), 1 box twine, 100 buttons, 25 wooden stakes, lifeline, personal floatation devices, blanket, First Aid kit, Directory of Flood Officials, and Flood Emergency Phone Card.
• Identify potential problems: boils, seepage, erosion, cracks, sloughing etc.
• Instruct each patrol team on the correct filling and placement of sandbags. They should know what danger signs to watch for, and how to signal for help.
• Vehicles should remain on high ground in threatened areas. Always have escape routes and make them known.
• Instruct each leader to check with their team members frequently. Investigate all reported problems.
• Be aware of the locations of stockpiled sandbags and other tools and equipment at strategic locations.
• Be prepared to obtain more workers, tools, and equipment on short notice.
• Advise the officials of the district or agency responsible for emergency assistance in the area and if necessary, request their help, i.e. local emergency services office.
• Contact the nearest representative of the Department of Water Resources for technical advice and assistance.

Filling Sandbags

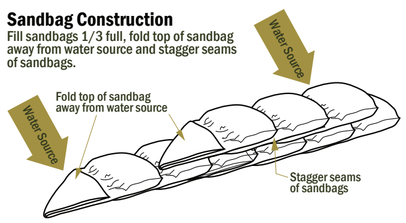
When filling sandbags you should work in pairs, with one person holding the bag while the other shovels in the fill material. The bag holder should find the most comfortable position while holding the bag open. The most common mistake made is overfilling bags. The first shovel of fill should be placed on the lip of the bag to help hold the bag open. The shoveler should use rounded scoops of fill until the bag is approximately 1/3 full. While shoveling or holding, avoid extra movements (turning or twisting of the back) to prevent injury and reduce fatigue.

Passing Sandbags

To avoid injuries and maximize productivity emergency responders can be organized into a sandbag passing line or 'chain'.
The line is formed by standing facing the next person and slightly off set. The bags are passed down the center of the chain.

Sandbag Construction

The use of sandbags is a simple but effective method of preventing or reducing damage from floodwater and debris. Suggestions for constructing sandbag structures are:
1. Close-weave burlap bags 18" x 30" are recommended for all sandbag construction when available.
2. Fold the empty top of the bag at a 45-degree angle to keep sand from leaching out.
3. Place each bag over the folded top of the preceding bag and stomp into place.
4. Stagger the second layer of bags over the seams of the preceding layer.
5. Stomp all bags to form a tight seal.
6. The last sandbag in a line is referred to as a Key Sack. The empty top of this bag is folded under and stomped into place.

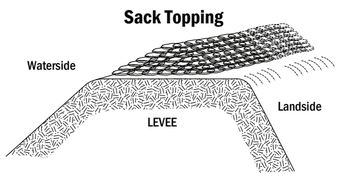


Control of Overtopping

If any levee reach or stream bank is lower than the anticipated high water elevation, an emergency topping should be constructed to raise the grade above the forecast flood height. A sack topping may be required at road or stock crossings, low levee sections, or railroad crossings. The following sections discuss various methods for increasing levee and bank elevations.

Sack Topping

The most common form of flood control work is the use of sandbags for construction of temporary walls. The use of sandbag walls to increase the height of a levee section is called "sack topping". The sacks are laid "as stretcher rows," or along the levee.
Alternate layers can be crossed if additional strength is needed. The sacks should overlap at least one-third and stomped firmly into place. When properly placed and compacted, one sack layer will provide about 3 to 4 inches of topping.



Temporary Levee

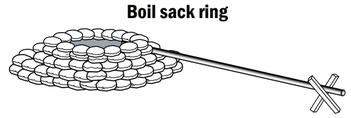
This method is used to raise low areas during high water periods to prevent overtopping of levees, stream and riverbanks, small earthen dams, roadways, etc. To raise low areas, unfold a 20'x100'x10 mil roll of plastic sheeting and lay out flat on area to be raised. Place fill material on plastic. Fold plastic over material, lay a single row of sandbags on the backside lip of plastic and on all seams. Fill material can be placed using bottom dump or dump bed trucks, front-end loader or manually.

Lumber and Sack Topping

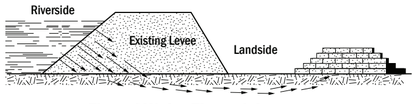
Wooden panels are used on the waterside shoulder and reinforced on the opposite side with sandbags. The method is used to raise low reaches during high water and divert debris flow. Stakes 2"x 4"x 6' should be driven on the waterside shoulder 6 feet apart. A shallow trench is and lined with empty sandbags to provide a seal. Pre-constructed wooden panels are placed in the trench and nailed to the landside of the stakes. This wall should then be backed with enough sandbags to support the panels against the expected high water. In some cases, it may be practical to back the panels with compacted earth in lieu of sandbags. Attach 2"x 4"x 10' lumber kickers to the stakes that support the panels, and drive 2' stakes into the levee crown. Use at least two nails at each joint to provide rigid construction.

Control of Boils (Away from Levee)

A boil is a condition that occurs when water is "piped" through or under a levee and resurfaces on the landside. These weak points are generally caused by burrowing rodents or decomposed tree roots. High water pressure can begin to erode the interior of the levee and weaken the structure. Levee material will deposit around the exit point as the water discharges on the landside. If the boil is determined to be "carrying material" then corrective action is required to control the situation.



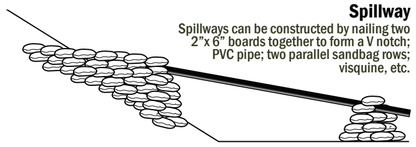
If left unattended the material that makes up the levee can be eroded at an accelerated pace, causing subsidence and overtopping of the levee. This could result in a levee break.
The common method for controlling a boil is to create a watertight sack ring around it. The sandbag structure should be high enough to slow the velocity of the water and prevent further discharge of material from the boil. The flow of water should never be stopped completely, since this may cause the boil to "break out" in an area near the existing sack ring. A spillway must be constructed to direct water away from all boil sites.
The sack ring should be large enough to encompass the area immediately surrounding the discharge point (3 to 4 feet diameter). If several boils carrying material are found, a single large sack ring may be constructed around the entire "nest" of boils.



Flow of Water Through Levee

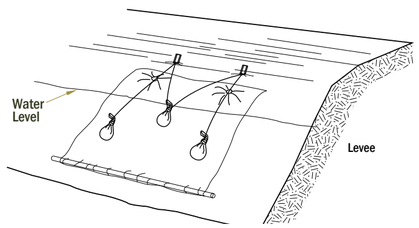
Control of Boils (On Levee Slope)

If the boil is close to or on the levee slope, a U-shaped sack ring may be built around the boil and keyed into the slope. Construction of this method can be difficult and requires substantial shoring up of the U-shaped sack ring structure. A spillway must be constructed to direct water away from all boil sites.



Waterside Boil Inlet Detection

Water running through a levee and carrying material can sometimes be stopped on the waterside, thus eliminating the building of sack rings on the landside. A six foot long section of 2" diameter metal pipe secured to a 5'x 6' foot piece of plastic or canvas can be rolled over the inlet hole on the waterside. Drive 1"x 3"x 2' stakes into the shoulder of the levee. Suspend half-filled sandbags on top of rolled-out material with twine and tie off to stakes. It can be difficult to locate the waterside inlet of boils. Sometimes a swirl is observed at the water's edge.



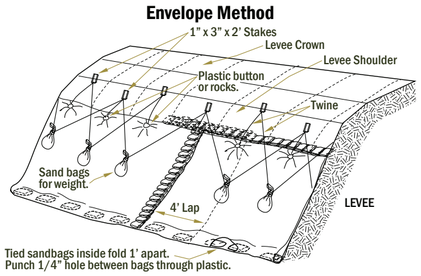
Waterside Boil Protection

Wavewash Protection

All levees adjacent to wide stretches of water should be watched during periods of strong wind to detect the early stages of wavewash erosion. If the slope is well sodded, short periods of high wind should cause little damage. However during sustained periods of strong wind and high water, experienced personnel should observe and monitor the effected areas.

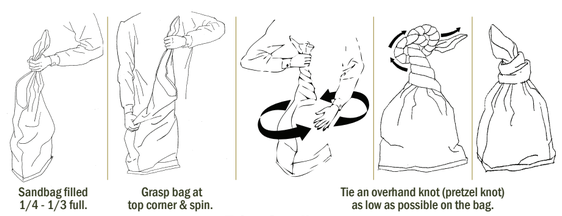
Envelope Method

When used correctly, plastic sheeting is useful for wavewash protection. Visquine should be purchased in 10 mil rolls, 20 feet wide by 100 feet long. 1"x3"x2' wooden stakes are driven into the ground just above the levee shoulder on the side you wish to protect. Place the stakes 4 feet apart and stagger vertically by 1 foot.
Avoid driving stakes in a straight line; this can to cause cracking and sloughing of the slope. To provide added strength and leverage, drive stakes at a slight angle away from the water source with the wide (3") side facing the water. Be sure the stakes are well into the ground and are secure.
When rolling out the plastic sheeting it is helpful to use a shovel or similar long-handled tool. Eight to ten people should assist in shaking out the folds of the envelope. Be sure that both layers are held while the envelope is shaken out. Hold on tight! Use caution in strong winds. If the wind catches the plastic it could billow out and pull you along with it.
While flood workers hold the plastic securely, toss tied sandbags into the envelope. The tied sandbags are thrown into the bottom of the envelope with a one-foot gap between bags. The tied bags provide weight to hold the plastic against the levee slope.
A tie-down button or small stone (preferably round) is secured through both layers of visquine. If a stone is used, tie a slip knot and double half-hitch to secure it. Fasten buttons to the visquine and tie off to the stakes using a minimum 250 lb. tensile strength twine with these points in mind:
Plastic sheeting is secured using tie down buttons. To attach plastic buttons to the plastic, tie a slipknot on the end of the twine; slip loop over button and plastic and draw tight. Tie two half-hitch knots around the throat of main body.
Extend twine to large end of main body, tie a half-hitch knot around the end, and secure twine to stake. With the plastic secured to the stakes, punch a small hole between each tied bag in the envelope, (a pencil works well). These holes release water trapped in the envelope. DO NOT use a knife because a slice or slit will tear and spread in the plastic. If further slope protection is necessary insert an additional envelope into the existing wavewash protection overlapping at least four feet. To secure the overlap to the stakes attach the two top layers with one button and the two bottom layers with another. The buttons line up with the stakes that are four feet apart. There should be four buttons securing the two envelopes.
Using a continuous piece of twine, hang tied bags from stakes in a zigzag fashion. Tie a double half-hitch knot below the knot in each sandbag. Place each bag so that it hangs at the middle of the plastic directly below the stake between the two stakes from which it is suspended. Attach twine to every other stake with a double half-hitch. Add a second row of tied bags suspended from the stakes previously skipped. These bags will keep the plastic lying flat against the levee slope in windy conditions. If the upper portion of the slope needs protection, use an additional envelope. Be sure to place the upper layer over the lower layer by 2 to 3 feet. Finally place sandbags along all seams to prevent wind and water from entering the envelope. To prevent slippage, make sure the sandbags forming the top seam cap are half on the plastic and half on the levee. If the levee slope is too steep, some of the bags on the seam may be tied off with twine to the stake above the envelope for support.
Remember, wind is your worst enemy. When using plastic sheeting, be sure all seams are secured with sandbags, and make needed repairs to the envelope as soon as possible.



Tying Sandbags

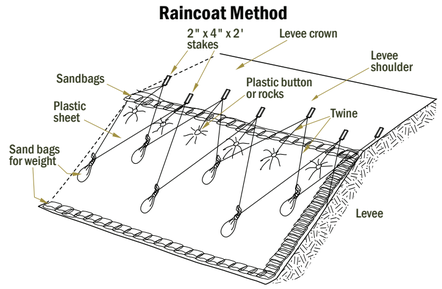
Most sandbags are used with the open end folded. In some cases sandbags will have to be tied. Fill the bag 1/4 to 1/3 full of material.



Tying Sandbags

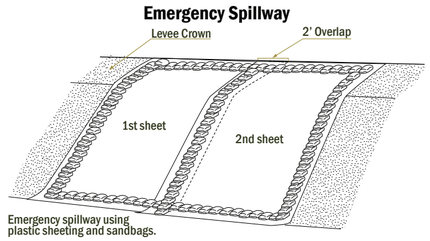
Raincoat Method

The raincoat method is used to prevent further saturation of levee or hillside slopes. Plastic sheeting is laid out flat on the slope, sandbags are placed around the perimeter with additional bags placed randomly for weight. If the slope is steep, wooden stakes can be driven into the ground just above the area to be protected. The stakes are 4 feet apart with a 1-foot stagger. The plastic is secured to the stakes with tie-down buttons or small round rocks.
Use a crisscross method of placing the sandbags on the plastic. Place a solid row of sandbags on all edges of the plastic (half on the ground, half on the plastic).



Emergency Spillway

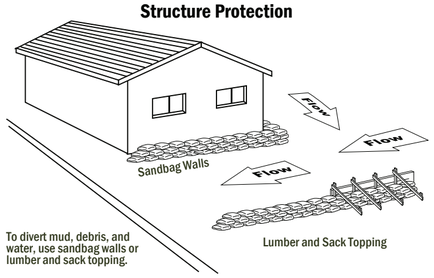
To prevent damage to the levee slope due to overtopping, an emergency spillway can be constructed. Place plastic sheeting over area to be used for spillway. Line all sides with at least a single row of sandbags. Use additional tied sandbags on plastic for weight if needed.



Emergency spillway using plastic sheeting and sandbags.

Structure Protection/Diversions

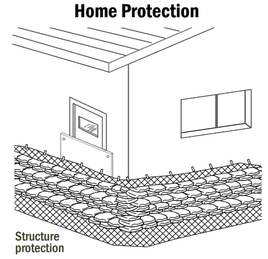
The main causes of damage to structures, homes, and property during heavy rains or flood flows are:
1. Flood water from overwhelmed storm drains and urban diversions, particularly on sloping streets.
2. Flood flows onto property through driveway openings and low spots in curbs.
3. Debris flow from hillsides that have been cleared of vegetation by fire or real estate development.
The flood fighting methods described in the following sections have proved effective in combating floodwaters and debris flows.



To divert mud, debris, and water, use sandbag walls or lumber and sack topping.

Diverting Water or Debris Flows Away from Structures

Homes and structures can be protected from floodwater or debris flows by redirecting the flow. Sandbag barriers must be long enough to divert the flows away from all structures. Barriers constructed of sandbags or lumber can also be used to channel mud and debris away from property improvements.



Structure Protection

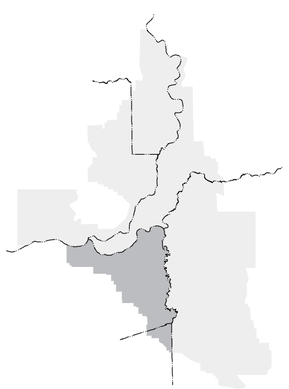
The following method is used for protection of buildings and other structures along lake shores and in similar situations where water is rising with little or no current. Lay plastic sheeting on the ground and up the building walls to a point at least 1 foot above the predicted water elevation, and far enough out on the ground to form a half pyramid of sandbags. Secure plywood over doors and vents. Overlap plastic sheeting and sandbags at corners of buildings.

Wet Flood Proofing Requirements for Structures

Located Within Special Flood Hazard Areas National Flood Insurance Program regulations require that buildings on extended wall foundations or that have encloures below the base flood elevation must have foundation or enclosure wall openings. These openings prevent the foundation or enclosure walls from weakening or collapsing under pressure from hydrostatic forces during a 100 year flood event. The openings allow flood waters to reach equal levels on both sides of the foundation or enclosure wall and minimize the potential for damage from hydrostatic pressure.
THESE OPENINGS MUST NOT BE BLOCKED IF THE BUILDING IS LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA.

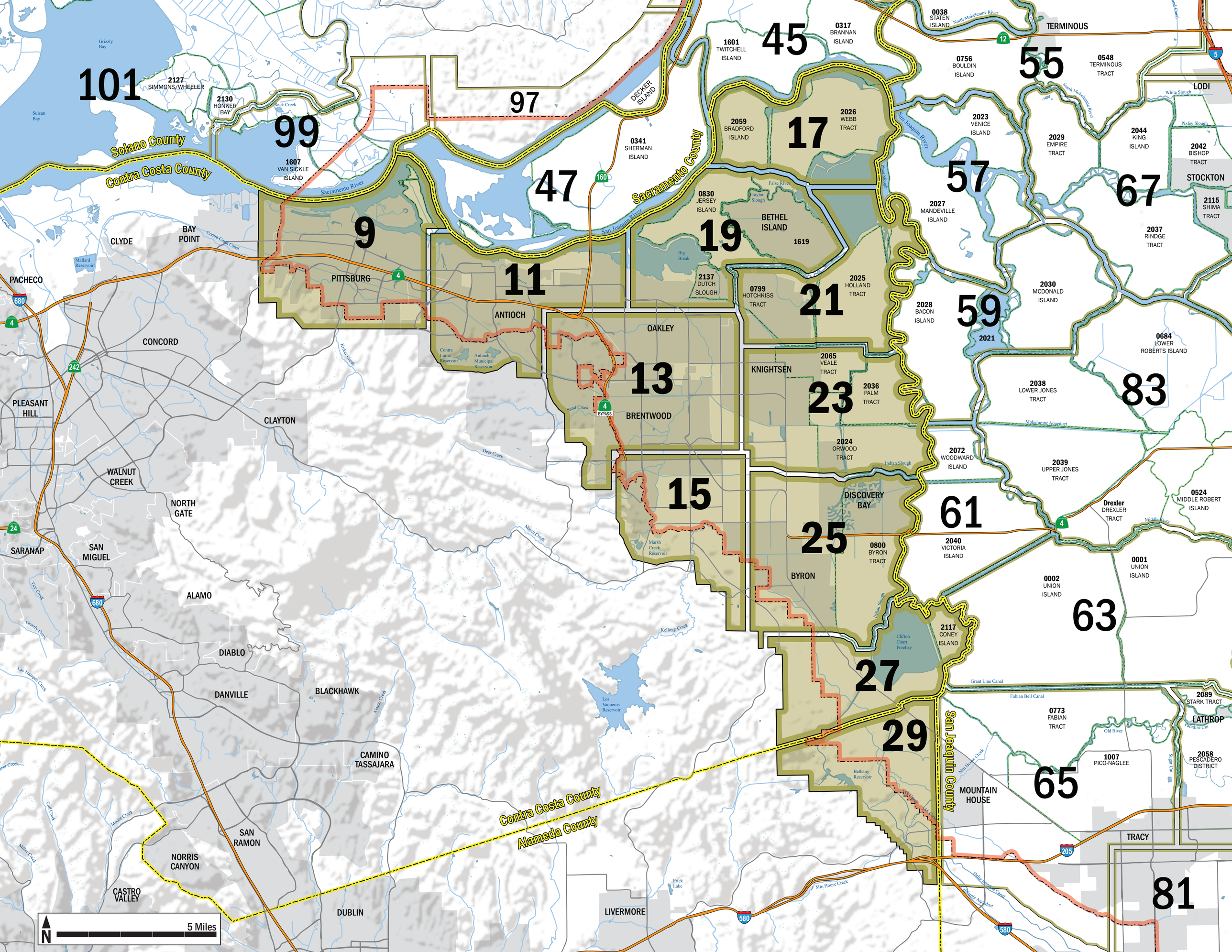
Water / Storm Drain Protection

Water or sewer systems can be protected by placing corrugated metal pipe (CMP) over the utility hole. Lay plastic sheeting up the walls of the CMP and place sandbags in the form of a half pyramid around the CMP to seal it to the pavement. This method will prevent mud and debris from entering the system and also act as a surge chamber.



Contra Costa County

Symbol	Feature	Label
	County Boundary	Sacramento County
	Legal Delta Boundary	
	Reclamation District Boundary	**2130** HONKER BAY
	Populated Place	**Concord**
	Contra Costa Map Page Focus Area	**13**
	Other Map Page Focus Area	**43**


101
2127
SIMMONS/WHEELER
2130
HONKER
BAY
99
1607
VAN SICKLE
ISLAND
97
47
0341
SHERMAN
ISLAND
45
1601
TWITCHELL
ISLAND
0317
BRANNAN
ISLAND
0038
STATEN
ISLAND
TERMINOUS
55
0756
BOULDIN
ISLAND
0548
TERMINOUS
TRACT
LODI
White Slough
Pixley Slough
2042
BISHOP
TRACT
STOCKTON
2115
SHIMA
TRACT
67
2044
KING
ISLAND
2029
EMPIRE
TRACT
2023
VENICE
ISLAND
57
2059
BRADFORD
ISLAND
17
2026
WEBB
TRACT
0830
JERSEY
ISLAND
19
BETHEL
ISLAND
1619
2027
MANDEVILLE
ISLAND
2037
RINDGE
TRACT
9
11
2137
DUTCH
SLOUGH
0799
HOTCHKISS
TRACT
21
2025
HOLLAND
TRACT
2030
MCDONALD
ISLAND
2028
BACON
ISLAND
59
2021
0684
LOWER
ROBERTS ISLAND
83
2038
LOWER JONES
TRACT
13
23
2065
VEALE
TRACT
2036
PALM
TRACT
KNIGHTSEN
2024
ORWOOD
TRACT
2072
WOODWARD
ISLAND
2039
UPPER JONES
TRACT
15
25
DISCOVERY
BAY
61
0524
MIDDLE ROBERT
ISLAND
Drexler
DREXLER
TRACT
2040
VICTORIA
ISLAND
0800
BYRON
TRACT
BYRON
0001
UNION
ISLAND
0002
UNION
ISLAND
63
2117
CONEY
ISLAND
27
29
0773
FABIAN
TRACT
2089
STARK TRACT
LATHROP
2058
PESCADERO
DISTRICT
1007
PICO-NAGLEE
65
MOUNTAIN
HOUSE
TRACY
81
Solano County
Contra Costa County
Sacramento County
Contra Costa County
Alameda County
San Joaquin County
Grizzly Bay
Suisun Bay
Rock Creek
DECKER ISLAND
Sacramento River
San Joaquin River
False River
Taylor Slough
Big Break
North Mokelumne River
South Mokelumne River
San Joaquin River
Pixley Slough
Middle River
Mokelumne Aqueduct
Indian Slough
Clifton Court Forebay
Grant Line Canal
Fabian Bell Canal
Old River
Paradise Cut
Mtn House Creek
Delta-Mendota Canal
California Aqueduct
Bethany Reservoir
Los Vaqueros Reservoir
Frick Lake
Kellogg Creek
Marsh Creek
Marsh Creek Reservoir
Deer Creek
Kirker Creek
Sand Creek
Contra Loma Reservoir
Antioch Municipal Reservoir
Mallard Reservoir
Contra Costa Canal
Walnut Creek
Grayson Creek
Las Trampas Creek
Alamo Creek
Tice Creek
Grizzly Creek
Gull Creek
Miller Creek
Moore Creek
Stanislaus Canal
Woodward Canal
Sugar Cut
CLYDE
BAY POINT
PACHECO
CONCORD
PLEASANT HILL
CLAYTON
WALNUT CREEK
NORTH GATE
SARANAP
SAN MIGUEL
ALAMO
DIABLO
DANVILLE
BLACKHAWK
CAMINO TASSAJARA
SAN RAMON
NORRIS CANYON
CASTRO VALLEY
DUBLIN
LIVERMORE
PITTSBURG
ANTIOCH
OAKLEY
BRENTWOOD
680
4
242
24
BYPASS
12
5
160
205
580
N
5 Miles

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A3 - Dow Chemical Plant
Dow Chemical's Pittsburg plant is the largest integrated chemical complex of its kind on the West Coast. The plant has both manufacturing and research facilities with many hazardous chemicals. At Dow Chemical approx. 600 employees are located onsite, and provide their own fire brigade, security team, and medical facilities. In the event of an emergency or to monitor the status of any on-site emergency, call (925) *432 5500*.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Diamond Ridge Healthcare Center; 2351 Loveridge Rd, Pittsburg, 38°00'21.835", 121°52'17.200"
Los Medanos Community Hospital; 2311 Loveridge Road, Pittsburg, 38°00'23.428", 121°52'10.444"

Adult Care Facilities
Aspira Foster Family Svc; Antioch, 37°59'57.679", 121°50'32.061"
Antioch Care Home; Antioch, 37°59'57.679", 121°49'46.688"
Stoneman Villa; Pittsburg, 38°00'09.887", 121°52'24.671"
Diamond Ridge Health Care Ctr; Pittsburg, 38°00'34.991", 121°52'12.366"
Hillsdale Residential; Pittsburg, 38°00'49.150", 121°55'54.016"
TCM Elderly Home Care; Pittsburg, 38°01'03.061", 121°55'08.258"
Pittsburg Care Ctr; Pittsburg, 38°01'12.166", 121°52'46.616"
Inspiration Care Facility; Pittsburg, 38°01'25.583", 121°52'51.231"
Willow Glen Residential Care; Bay Point, 38°01'29.675", 121°56'29.309"

Schools
Future School Site; Antioch, 37°59'20.270", 121°49'39.437"
Foothill Elementary School; 1200 Jensen Dr., Pittsburg, 37°59'42.847", 121°52'32.554"
Mission Elementary School; 1711 Mission Dr., Antioch, 37°59'48.739", 121°49'55.285"
Resilience School Of Health Special Ed; 2213 Buchanan Rd., Antioch, 37°59'53.902", 121°50'10.858"
Highlands Elementary School; 4141 Harbor St., Pittsburg, 37°59'56.635", 121°53'09.880"
Christian Center Elementary; 1210 Stoneman Ave., Pittsburg, 38°00'07.264", 121°52'34.476"
Turner Elementary School; 4207 Delta Fair Blvd., Antioch, 38°00'08.500", 121°51'02.081"
Christian Center High School; 1210 Stoneman Ave., Pittsburg, 38°00'09.970", 121°52'33.872"
Kinder Care Learning Center; 2300 Mahogany Way, Antioch, 38°00'11.975", 121°49'55.257"
East County Elementary Special Education; 4207 Delta Fair Blvd., Antioch, 38°00'13.101", 121°50'58.593"
Hillview Junior High School; 333 Yosemite Dr., Pittsburg, 38°00'14.694", 121°53'20.894"
Stoneman Elementary School; 2929 Loveridge Rd., Pittsburg, 38°00'15.847", 121°52'16.212"
Central Junior High School; 1201 Stoneman Ave., Pittsburg, 38°00'16.122", 121°52'31.208"
Zion Christian Academy; 2127 Dogwood Wy., Antioch, 38°00'15.325", 121°49'34.383"
Los Medanos College; 38°00'19.006", 121°51'38.007"
Heights Elementary School; 163 West Blvd., Pittsburg, 38°00'27.795", 121°53'56.572"
Christain High School; 1411 E. Leland Rd., Pittsburg, 38°00'31.585", 121°52'01.435"
Lerner Center Charter; 1201 W. 10Th St., Antioch, 38°00'36.337", 121°49'23.259"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Pittsburg Treatment Plant; Pittsburg, 38°00'30.020", 121°54'10.003"
West Pittsburg Treatment Plant; 38°01'30.005", 121°54'59.963"

Waste Water Facilities
Delta Diablo Sanitation District; 2500 Pittsburg-Antioch Highway, Antioch, 38°01'00.012", 121°50'30.001"
City of Pittsburg; P.O. Box 1518, Pittsburg, 38°02'59.997", 121°54'59.963"
City of Pittsburg; 2020 Railroad Ave, Pittsburg, 38°03'23.013", 121°53'12.022"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS

Required	Have / Need

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick Up Points
County East Mall; 2550 Somersville Rd., Antioch, 38°00'01.057", 121°50'32.254"
Los Medanos College; 2700 East Leland Rd., Pittsburg, 38°00'19.528", 121°51'40.341"
Fairgrounds; 1201 W. Tenth St., Antioch, 38°00'29.470", 121°49'21.227"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
Brentwood; 8900 Brentwood Blvd, Ste J, Brentwood, CA 94513 *925.634.3201*
Oakley; 305 5th St, Oakley, CA 94561 *925.625.2449*
Pittsburg; 125 E Leland Rd, Pittsburg, CA 94565 *925.432.6089*

Lowe's
Antioch; 1951 Auto Center Dr, Antioch, CA 94509 *925.756.0370*
Antioch; 5503 Lone Tree Way, Antioch, CA 94531 *925.779.4560*

Home Depot
Brentwood; 5631 Lone Tree Way, Brentwood, CA 94513 *925.513.6060*
Pittsburg; 2300 N Park Blvd, Pittsburg, CA 94565 *925.473.1900*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

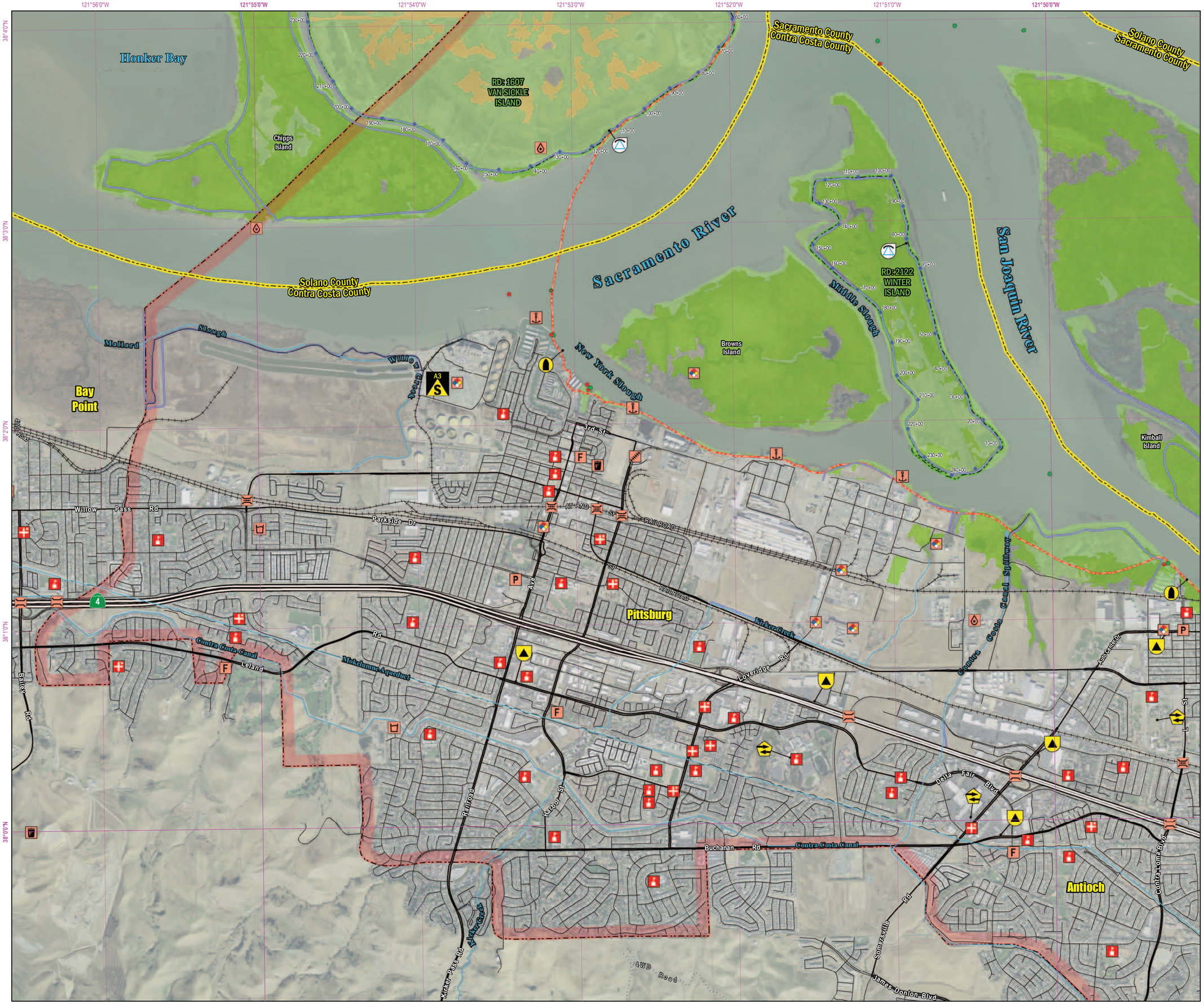
NOAA Weather Radio

All Hazards NOAA Weather Radio

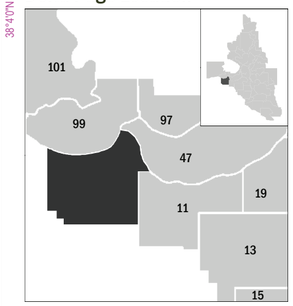
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C: Emergency Workers Camp
- Proposed Levee Relief Cut
- H: Helipad
- Proposed Temporary Barriers Waterway
- B: Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS: Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10 | Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)
Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A4 - Sand Creek
Sand Creek is prone to flooding during rainy seasons due to debris build-up. Regular inspection of the Sand Creek by Brentwood Public Works is conducted in accordance with the creek maintenance plan and schedule for the local area. The Public Works Department checks creek levels during the rainy season and during large storm events. Contact the Brentwood Public Works Department for information regarding creek maintenance and water levels. Brentwood Public Works Dept. Operations Division *(925)516-6000*, Engineering Division *(925)516-5420*

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Kaiser Permanente Medical Center; 4501 Sand Creek Road, Antioch, 37°57'02.460", 121°46'30.994"
Sutter Delta Medical Center; 3901 Lone Tree Way, Antioch, 37°58'56.073", 121°48'14.485"

Adult Care Facilities
Antioch Care Home; Antioch, 37°57'36.298", 121°47'57.731"
Tender Loving Care Home; Antioch, 37°57'39.375", 121°48'39.699"
Quail Lodge Retirement; Antioch, 37°57'59.864", 121°46'48.435"
Lone Tree Convalescent Hosp; Antioch, 37°58'51.239", 121°48'18.660"
Cypress Meadows; Antioch, 37°58'53.367", 121°48'21.022"
Windrose Care Home; Antioch, 37°58'57.103", 121°50'10.418"
Antioch Care Home; Antioch, 37°59'00.701", 121°49'48.748"
Aspira Foster Family Svc; Antioch, 37°59'57.679", 121°50'32.061"
Antioch Care Home; Antioch, 37°59'57.679", 121°49'46.688"
Friendship Manor; Antioch, 38°00'10.340", 121°47'47.486"
Lake Alhambra Retirement Ctr; Antioch, 38°00'18.127", 121°47'28.342"
Country Place Assisted Living; Antioch, 38°00'19.995", 121°47'30.512"
Antioch Rivertown Senior Hsng; Antioch, 38°00'29.525", 121°48'22.230"
Antioch Convalescent Hospital; Antioch, 38°00'34.236", 121°48'22.230"

Schools
Pioneer Elementary; 2010 Shady Willow Ln., Brentwood, 37°57'17.539", 121°44'11.193"
Heritage Baptist Academy; 5200 Heidorn Ranch Rd., Antioch, 37°57'24.557", 121°45'04.888"
Diablo Vista Elementary; 4791 Prewitt Ranch Dr., Anitoch, 37°57'28.663", 121°46'14.899"
Gateway Christian Middle School; 2401 Shady Willow Ln., Brentwood, 37°57'36.463", 121°44'15.972"
La Paloma High; 6651 Lone Tree Wy., Brentwood, 37°57'40.844", 121°43'47.792"
Lone Tree Elementary; 1931 Mokelumne Dr., Antioch, 37°57'45.019", 121°47'19.883"
Deer Valley High School; 4700 Lone Tree Wy., Antioch, 37°57'47.271", 121°46'33.850"
Dallas Ranch Middle School; 1401 Mount Hamilton Dr., Antioch, 37°58'05.934", 121°47'55.286"
Black Diamond Middle School; 4730 Sterling Hill Dr., Antioch, 37°58'11.207", 121°46'02.045"
Children's World Learning Cent; 4108 Lone Tree Way, Antioch, 37°58'14.654", 121°47'40.867"
Jack London Elementary School; 4550 Country Hills Dr., Antioch, 37°58'17.209", 121°46'35.718"
East Bay Academy; 4413 Horseshoe Circle, Antioch, 37°58'30.228", 121°45'22.824"
John Muir Elementary School; 615 Greystone Dr., Antioch, 37°58'37.025", 121°47'44.218"
Davis Christian Academy; 600 Alumrock Dr., Antioch, 37°58'41.447", 121°47'37.626"
Grant Elementary; 4325 Spaulding St., Antioch, 37°59'03.557", 121°45'57.897"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Randall-Bold Water Treatment Plant; 37°58'49.577", 121°44'09.325"
Antioch Treatment Plant; Antioch, 37°59'21.012", 121°48'30.992"

Waste Water Facilities
Delta Diablo Sanitation District; P.O. Box 929, Antioch, 38°00'42.009", 121°48'23.988"
Delta Diablo Sanitation District; 2500 Pittsburg-Antioch Highway, Antioch, 38°01'00.012", 121°50'30.001"
City of Antioch WTP; 425 Fulton Shipyard Rd, Antioch, 38°01'00.012", 121°48'00.011"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Lone Tree Plaza; 5421 Lone Tree Way, Brentwood, 37°57'42.41", 121°45'39.056"
County East Mall; 2550 Somersville Rd., Antioch, 38°00'01.057", 121°50'32.254"
Fairgrounds; 1201 W. Tenth St., Antioch, 38°00'29.470", 121°49'21.227"
Antioch/Pittsburg; 100 I St., Antioch, 38°01'03.720", 121°48'57.689"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch;
501 Sunset Dr, Antioch, CA 94509
925.757.2500
Brentwood;
8900 Brentwood Blvd, Ste J, Brentwood, CA 94513
925.634.3201
Oakley;
305 5th St, Oakley, CA 94561
925.625.2449
Pittsburg;
125 E Leland Rd, Pittsburg, CA 94565
925.432.6089

Lowe's
Antioch;
1951 Auto Center Dr, Antioch, CA 94509
925.756.0370
Antioch;
5503 Lone Tree Way, Antioch, CA 94531
925.779.4560

Home Depot
Brentwood;
5631 Lone Tree Way, Brentwood, CA 94513
925.513.6060
Pittsburg;
2300 N Park Blvd, Pittsburg, CA 94565
925.473.1900

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

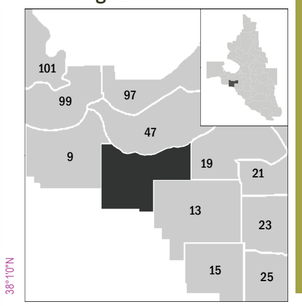
DEVELOPED FROM ICS FORM 215

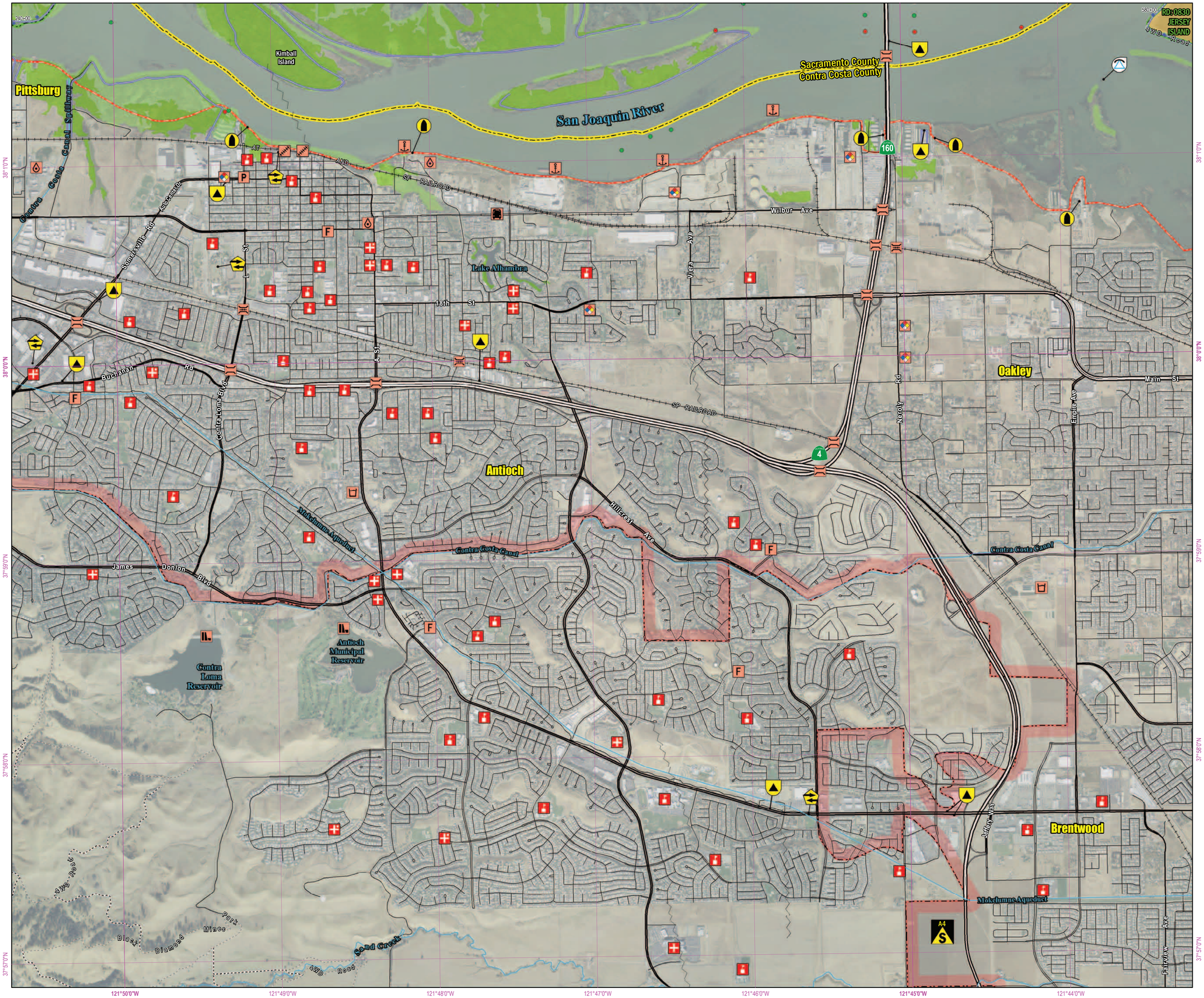
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	**RESOURCE TOTALS** Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					

Page Proximity & Delta Page Location





FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

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- Public Water Supply
- Dam
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- Oil Facility
- Waste Water Facility

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- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

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SPECIAL FLOOD CONSIDERATIONS

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Sand Creek is prone to flooding during rainy seasons due to debris build-up. Regular inspection of the Sand Creek by Brentwood Public Works is conducted in accordance with the creek maintenance plan and schedule for the local area. The Public Works Department checks creek levels during the rainy season and during large storm events. Contact the Brentwood Public Works Department for information regarding creek maintenance and water levels. Brentwood Public Works Dept. Operations Division *(925)516-6000*, Engineering Division *(925)516-5420*

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FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
John Muir Medical Center; 2400 Balfour Rd, Brentwood, 37°55'27.607", 121°44'06.194"
Kaiser Permanente Medical Center; 4501 Sand Creek Road, Antioch, 37°57'02.460", 121°46'30.994"

Adult Care Facilities
Her Residential Care Homes, Oakley; 37°59'09.366", 121°41'42.328"

Schools
J. Douglas Adams Middle School; 401 American Ave., Brentwood, 37°55'09.851", 121°45'30.075"
Paul R Krey Elementary School; 190 Crawford Dr., Brentwood, 37°55'09.452", 121°44'15.725"
Heritage High; 101 American Rd., Brentwood, 37°55'18.420", 121°45'21.231"
Garin Elementary School; 250 1St St., Brentwood, 37°55'41.340", 121°41'24.008"
Brentwood Elementary School; 200 Griffith Ln., Brentwood, 37°55'42.933", 121°42'29.377"
Gateway Christian School; 657 Mcclaren Rd., Brentwood, 37°55'46.023", 121°41'51.309"
Ron Nunn Elementary School; 1755 Central Blvd., Brentwood, 37°55'48.564", 121°43'49.632"
Edna Hill Middle School; 140 Birch St., Brentwood, 37°55'51.159", 121°41'27.387"
Faith Christian Learning Centers; 50 Birch St., Brentwood, 37°55'53.521", 121°41'24.146"
Dainty Center/ Willow Wood School; 1265 Dainty Ave., Brentwood, 37°55'59.536", 121°42'37.782"
Lighthouse Christian Academy; 870 Buckskin Terr., Brentwood, 37°56'03.793", 121°42'45.417"
Tobinworld II; 8256 Brentwood Blvd., Brentwood, 37°56'06.650", 121°41'54.056"
Liberty High School; 850 2Nd St., Brentwood, 37°56'08.325", 121°41'38.126"
Independence High; 929 Second St., Brentwood, 37°56'11.800", 121°41'45.239"
William B Bristow Middle School; 855 Minnesota Ave., Brentwood, 37°56'14.656", 121°42'55.799"
Loma Vista Elementary; 2110 San Jose Ave., Brentwood, 37°56'25.478", 121°44'03.145"
Dozier Libbey Magnet High School; 4900 Sand Creek Rd., Antioch, 37°56'41.12'", 121°46'33.685"
Marsh Creek Elementary; 601 Grant Ave., Brentwood, 37°57'09.629", 121°42'29.459"
Pioneer Elementary; 2010 Shady Willow Ln., Brentwood, 37°57'17.539", 121°44'11.193"
Heritage Baptist Academy; 5200 Heidorn Ranch Rd., Antioch, 37°57'24.557", 121°45'04.888"
Diablo Vista Elementary; 4791 Prewitt Ranch Dr., Anitoch, 37°57'28.663", 121°46'14.899"
Gateway Christian Middle School; 2401 Shady Willow Ln., Brentwood, 37°57'36.463", 121°44'15.972"
La Paloma High; 6651 Lone Tree Wy., Brentwood, 37°57'40.844", 121°43'47.792"
Deer Valley High School; 4700 Lone Tree Wy., Antioch, 37°57'47.271", 121°46'33.850"
Knightsen Elementary School; 1923 Delta Rd., County, 37°58'05.000", 121°39'37.606"
Black Diamond Middle School; 4730 Sterling Hill Dr., Antioch, 37°58'11.207", 121°46'02.045"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Randall-Bold Water Treatment Plant; 37°58'49.577", 121°44'09.325"

Waste Water Facilities
Brentwood WTP; 325 Sunset Road, Brentwood, 37°57'32.796", 121°41'03.684"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*41 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Lone Tree Plaza; 5421 Lone Tree Way, Brentwood, 37°57'42.41'", 121°45'39.056"
Transfer Pick Up Point; 37°59'31.792", 121°41'26.508"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
Brentwood; 8900 Brentwood Blvd, Ste J, Brentwood, CA 94513 *925.634.3201*
Oakley; 305 5th St, Oakley, CA 94561 *925.625.2449*
Pittsburg; 125 E Leland Rd, Pittsburg, CA 94565 *925.432.6089*

Lowe's
Antioch; 1951 Auto Center Dr, Antioch, CA 94509 *925.756.0370*
Antioch; 5503 Lone Tree Way, Antioch, CA 94531 *925.779.4560*

Home Depot
Brentwood; 5631 Lone Tree Way, Brentwood, CA 94513 *925.513.6060*
Pittsburg; 2300 N Park Blvd, Pittsburg, CA 94565 *925.473.1900*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

12 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

24 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

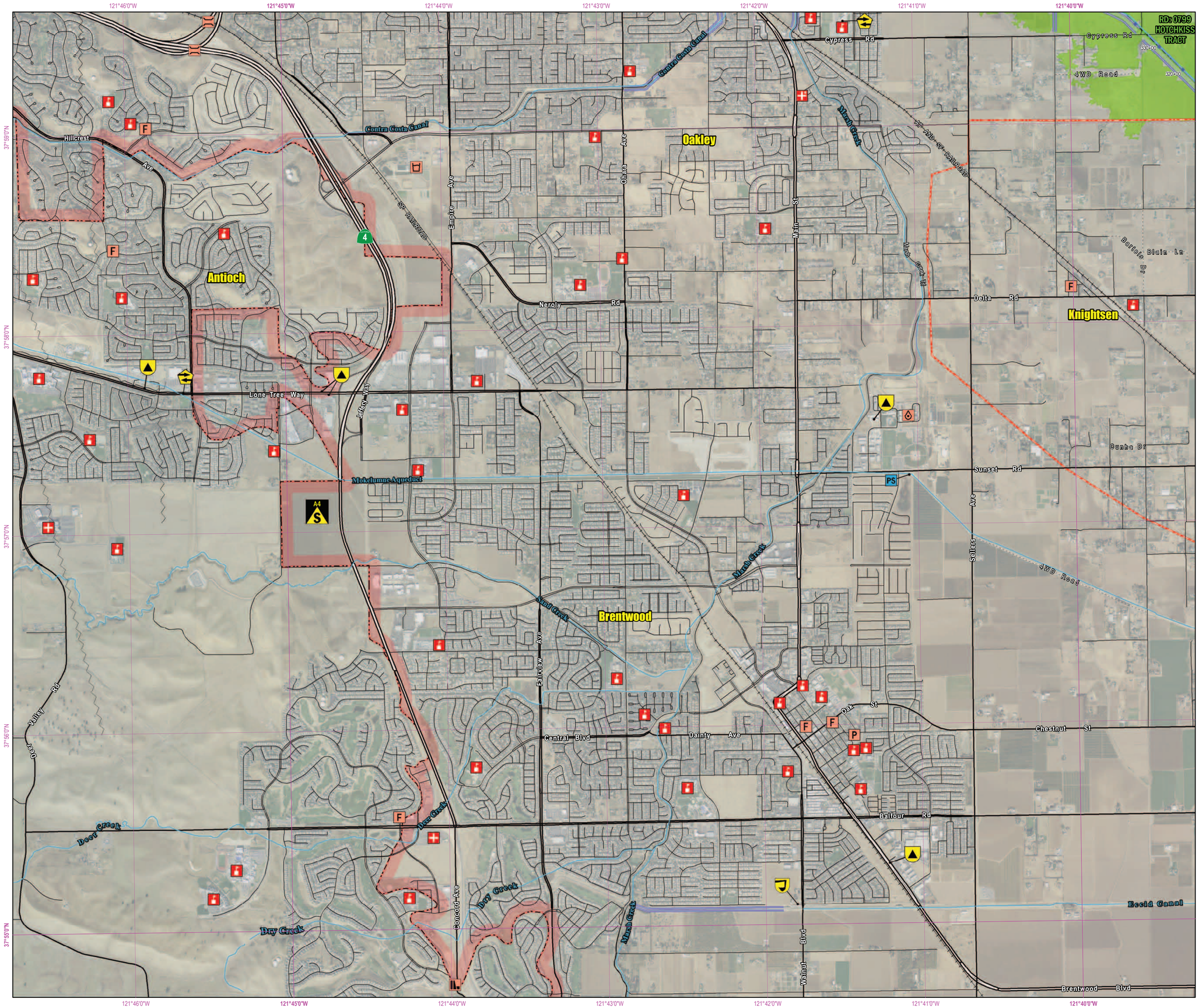
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

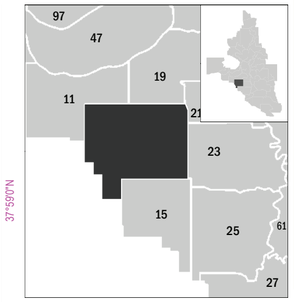
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C: Emergency Workers Camp
- Proposed Levee Relief Cut
- H: Helipad
- Proposed Temporary Barriers Waterway
- B: Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- J: Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS: Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
John Muir Medical Center; 2400 Balfour Rd, Brentwood, 37°55'27.607", 121°44'06.194"

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Excelsior Middle School; 14401 Byron Hwy, County, 37°52'33.845", 121°38'27.843"
Contra Costa County Court; 4491 Bixler Rd., Byron, 37°52'41.631", 121°37'23.270"
Timber Point Elementary; 40 Newberry Ln., Byron, 37°54'28.020", 121°37'09.263"
Paul R Krey Elementary School; 190 Crawford Dr., Brentwood, 37°55'09.452", 121°44'15.725"
Garin Elementary School; 250 1St St., Brentwood, 37°55'41.340", 121°41'24.008"
Brentwood Elementary School; 200 Griffith Ln., Brentwood, 37°55'42.933", 121°42'29.377"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Byron Sanitary District; P.O. Box 3, Byron, 37°51'59.979", 121°37'59.992"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Byron Airport; 500 Falcon Way, Byron, 37°52'01.737", 121°38'16.829"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware

Antioch;
501 Sunset Dr, Antioch, CA 94509
925.757.2500
Brentwood;
8900 Brentwood Blvd, Ste J, Brentwood, CA 94513
925.634.3201

Oakley;
305 5th St, Oakley, CA 94561
925.625.2449
Pittsburg;
125 E Leland Rd, Pittsburg, CA 94565
925.432.6089

Lowe's

Antioch;
1951 Auto Center Dr, Antioch, CA 94509
925.756.0370
Antioch;
5503 Lone Tree Way, Antioch, CA 94531
925.779.4560

Home Depot

Brentwood;
5631 Lone Tree Way, Brentwood, CA 94513
925.513.6060
Pittsburg;
2300 N Park Blvd, Pittsburg, CA 94565
925.473.1900

REPAIR & MATERIALS

Repair Contractors

Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers

Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

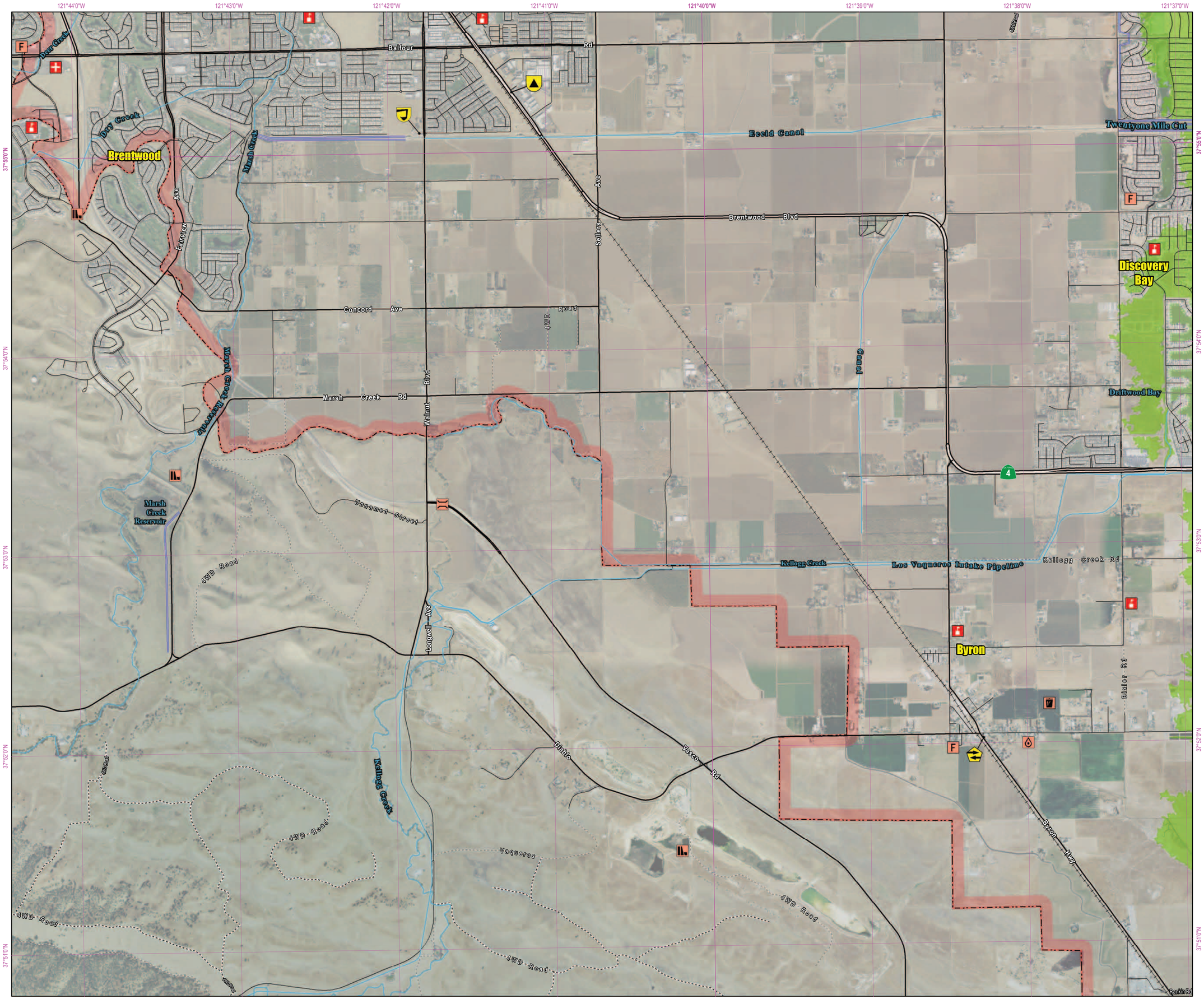
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

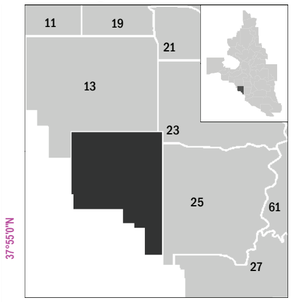
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	**RESOURCE TOTALS** Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000

miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)
Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.

B19 - Local Marinas are Recreation
Businesses and resort goers are vulnerable due to remote access in the southeastern horn of the island, near the confluences of the San Joaquin and Mokelumne River. Approximately four marinas are located in the immediate area. It may take 6-7 days to repair breaches and extended periods of time to dewater the Island. Approximately 13,000 acres of land will experience 1-2 months down time, i.e. loss of power and water. After extended outages, it may be necessary to evacuate areas effect by levee breach or flooding. The stretch of levee along Brannan Island Road at the River's Edge Marina & Resort is a low area possibly exposing vulnerability to resort area at River's Edge Marina & Resort. River's Edge Marina & Resort *(916)777-6172*

B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)*-777-7701*

B24 - Brannan-Andrus Levee Maintenance District
The Brannan-Andrus Levee Maintenance District and RD 2067, 317, & 407 drainage overview maps depicts drainage control for the entire area. The entire area drains to the southern portion of the Island

B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B12 - Brannan-Andrus, Failure of Jackson Slough Levee on RD 2067 (Brannan Island)
This scenario will lead to flooding of Brannan Island west of South Jackson Slough, which is known as stress area.

Actions
1. Coordinate with Brannan-Andrus Levee Maintenance District (BALMD) as they oversee de-watering activities on floodfight strategy. 2. Determine evacuation routes for population on eastern and western portions of the island. 3. Coordinate with Caltrans for closure of State Highway 12. 4. Determine protection plan for drainage structures and pump stations along southern levee.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch;
501 Sunset Dr, Antioch, CA 94509
925.757.2500
Brentwood;
8900 Brentwood Blvd, Ste J, Brentwood, CA 94513
925.634.3201
Oakley;
305 5th St, Oakley, CA 94561
925.625.2449
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125 E Leland Rd, Pittsburg, CA 94565
925.432.6089

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1951 Auto Center Dr, Antioch, CA 94509
925.756.0370
Antioch;
5503 Lone Tree Way, Antioch, CA 94531
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Home Depot
Brentwood;
5631 Lone Tree Way, Brentwood, CA 94513
925.513.6060
Pittsburg;
2300 N Park Blvd, Pittsburg, CA 94565
925.473.1900

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160 River Rd, Rio Vista, CA 94571
707.374.5127
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24207 County Rd 100A, Davis, CA 95616
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16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

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4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
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916.351.0123
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13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

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8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
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MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
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ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

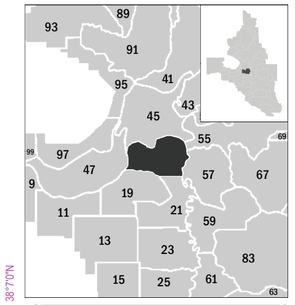
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 A — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 — 2,000
miles 0 — 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)
Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A1 - Bethel Island Bridge
Bethel Island Bridge provides the only egress on and off the island for motor vehicles. Contact Bethel Island Improvement District for evacuation and mass care operations and instructions. There are a total of 13 rally points, all with signs placed at the street entrance to the following marinas: San Joaquin Yacht Club, Mariner Cove Marina, Caliente Harbor, Anchor Marina, D'Anna Yacht Center, Emerald point Marina, Frank's Marina, Lundborg Landing, Sugar Barge Marina, Russo's Marina, Beacon Harbor, Bethel Harbor and Willowest Harbor. See the Transfer Pick-up Points located around the perimeter of Bethel Island.

A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.

A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.

A6 - Evacuation Concerns
In major levee breach and resulting large scale flood event, have all personnel and equipment evacuate to high ground, most commonly the levee crown.

A7 - Disease Control
There are 220 head of cattle on the island at all times. During a flood many head of cattle could become trapped and/or perish. Animal carcass management is a concern for disease control. Coordinate with the California Department of Food and Agriculture through the local county OES for disposal methods.

A9 - Horse Shoe Bend Failures
A January 2006 storm event caused two levee failures in the area of Horseshoe Bend. Horseshoe Bend will be undergoing levee improvements to meet CALFED Levee Stability Program requirements.

A10 - Floodfight Personnel
On site flood fight personnel are manned through the RD HQ. Personnel have knowledge of in-place standard operating procedures based on daily conditions, schedule, etc. RD HQ has capability to man 24/7 levee patrol and preventative preparation in advance of storm.

A11 - Cypress Grove Detention Basin
The Cypress Grove Detention Basin operations manual addresses all aspects of the stormwater pond's maintenance, such as desilting, weed and trash abatement, excessive vegetation growth at the outfall/low flow channel, maintenance of inlet and outlet structures, embankment maintenance, acceptable chemical use and basin access. If the operations manual is not adhered to the detention basin could overtop causing flooding in the adjacent neighborhood and nearby Contra Costa Canal. Consult the City of Oakley and or the Maintenance POC for Cypress Grove properties.

A12 - Utility Infrastructure
Two electrical transmission lines run parallel to western side of Jersey Island Road (Path 15 Connector) and cross the perimeter levee east of Jersey Island Road Bridge. Another transmission line runs to the east side of Jersey Island Road and crosses the perimeter levee at the confluences of Dutch and Taylor Slough.

A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.

A14 - Slope
General slope characteristic is toward the center of the island.

A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.

A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.

A17 - Carless Population
Mobile home park with special transportation and evacuation needs exist in this area and should be coordinated through the county OES.

B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.

See complete Special Flood Considerations list in Index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
Her Residential Care Homes; Oakley, 37°59'09.366", 121°41'42.328"

Schools
Laurel Elementary School; 1141 Laurel Rd., Oakley, 37°58'57.817", 121°43'01.320"
Ohara Park Middle School; 1100 Ohara Ave., Oakley, 37°59'17.455", 121°42'47.724"
Delta Vista Middle School; 4901 Frank Hengel Wy., Oakley, 37°59'29.760", 121°41'26.755"
Delta Vista Elementary School; 240 E Cypress Rd., Oakley, 37°59'33.179", 121°41'38.373"
Oakley Elementary School; 501 Norcross Ln., Oakley, 37°59'39.194", 121°43'00.551"
Vintage Parkway Elementary School; 1000 Vintage Pkwy, Oakley, 38°00'16.122", 121°43'08.159"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Oakley Treatment Plant; 37°59'49.988", 121°42'05.015"

Waste Water Facilities
Oakley Sanitation District; P.O. Box 1, Oakley, 37°59'44.014", 121°42'30.997"
Waste Water Facility; 37°59'47.818", 121°42'14.683"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

A3 - RD 0830, Failure of Taylor Slough Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 10 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
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CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°59'31.792", 121°41'26.508"
Transfer Pick Up Point; 38°00'44.741", 121°38'27.980"
Transfer Pick Up Point; 38°00'45.401", 121°37'02.149"
Transfer Pick Up Point; 38°00'47.502", 121°38'21.937"
Transfer Pick Up Point; 38°00'48.889", 121°39'41.369"
Transfer Pick Up Point; 38°00'48.408", 121°38'28.392"
Transfer Pick Up Point; 38°01'15.338", 121°36'33.420"
Transfer Pick Up Point; 38°01'22.630", 121°36'38.336"
Transfer Pick Up Point; 38°01'29.566", 121°39'35.408"
Transfer Pick Up Point; 38°01'36.075", 121°36'46.192"
Transfer Pick Up Point; 38°01'48.915", 121°40'01.364"
Transfer Pick Up Point; 38°02'00.739", 121°37'18.656"
Transfer Pick Up Point; 38°02'04.585", 121°40'14.904"
Transfer Pick Up Point; 38°02'12.591", 121°37'31.290"
Transfer Pick Up Point; 38°02'26.310", 121°37'58.921"
Transfer Pick Up Point; 38°02'37.159", 121°38'05.925"

Rally Points
Emerald Pointe Marina; 4230 Stone Rd., Bethel Island, 38°00'36.653", 121°37'37.003"
San Joaquin Yacht Club; 550 Riverview Place, Bethel Island, 38°00'45.112", 121°38'14.302"
D'Anne Yacht Center; 6500 Bethel Island Rd., Bethel Island, 38°00'45.332", 121°38'26.414"
Lundborg Landing; 6777 Riverview Rd., Bethel Island, 38°01'20.035", 121°36'38.062"
Anchor Marina; 1970 Taylor Rd., Bethel Island, 38°01'28.879", 121°39'30.327"

STAGING & SUPPLY

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Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
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Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

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	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

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WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

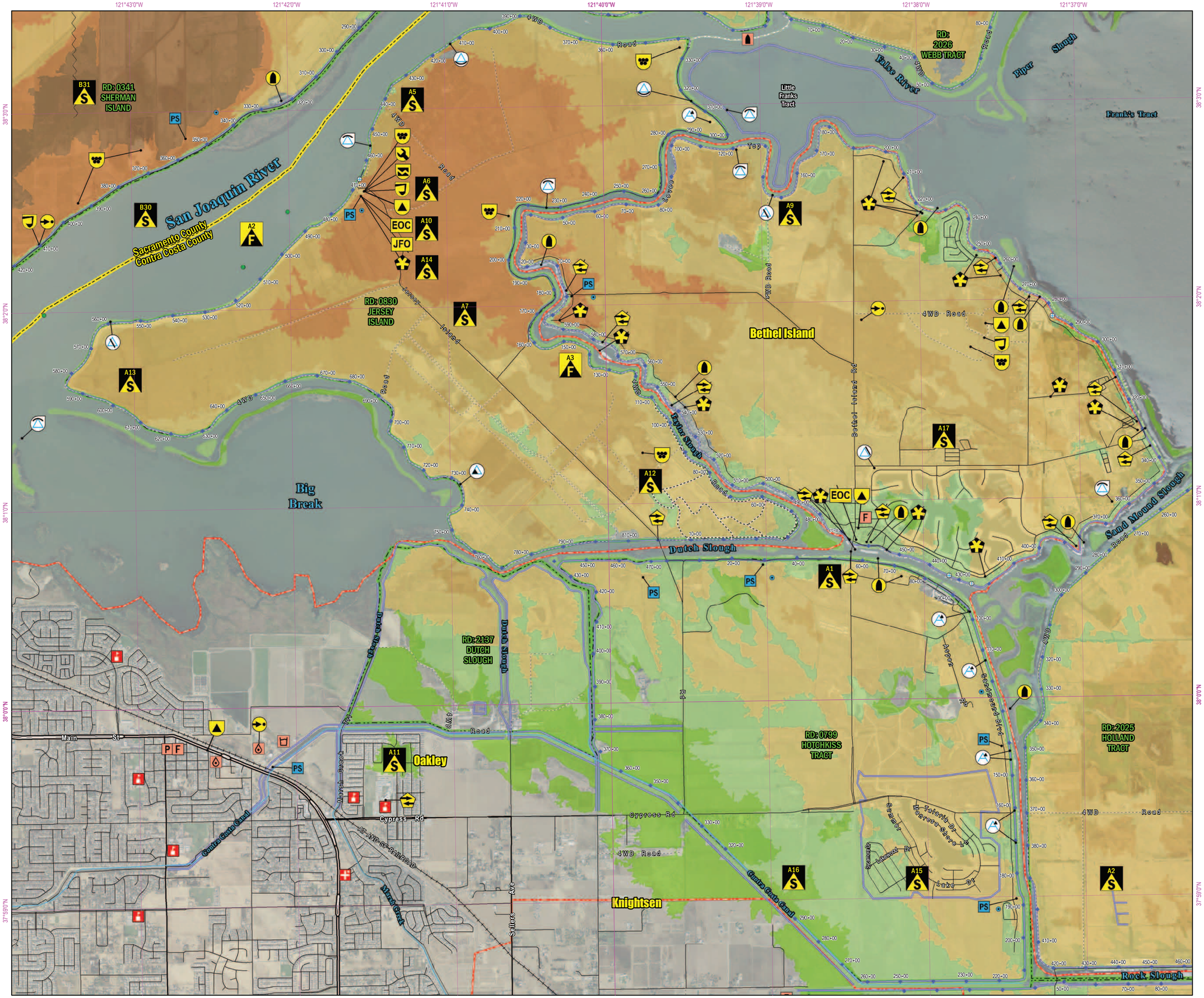
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

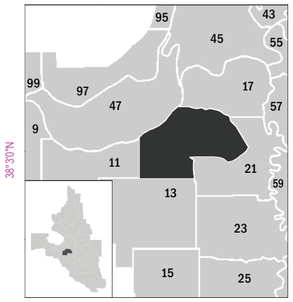
RESOURCE TOTALS
Required | Have | Need

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 — 2,000
miles 0 — 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A1 - Bethel Island Bridge
Bethel Island Bridge provides the only egress on and off the island for motor vehicles. Contact Bethel Island Improvement District for evacuation and mass care operations and instructions. There are a total of 13 rally points, all with signs placed at the street entrance to the following marinas: San Joaquin Yacht Club, Mariner Cove Marina, Caliente Harbor, Anchor Marina, D'Anna Yacht Center, Emerald point Marina, Frank's Marina, Lundborg Landing, Sugar Barge Marina, Russo's Marina, Beacon Harbor, Bethel Harbor and Willowest Harbor. See the Transfer Pick-up Points located around the perimeter of Bethel Island.

A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.

A9 - Horse Shoe Bend Failures
A January 2006 storm event caused two levee failures in the area of Horseshoe Bend. Horseshoe Bend will be undergoing levee improvements to meet CALFED Levee Stability Program requirements.

A12 - Utility Infrastructure
Two electrical transmission lines run parallel to western side of Jersey Island Road (Path 15 Connector) and cross the perimeter levee east of Jersey Island Road Bridge. Another transmission line runs to the east side of Jersey Island Road and crosses the perimeter levee at the confluences of Dutch and Taylor Slough.

A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.

A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.

A17 - Carless Population
Mobile home park with special transportation and evacuation needs exist in this area and should be coordinated through the county OES.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Knightsen Elementary School; 1923 Delta Rd., County, 37°58'05.000", 121°39'37.606"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

A3 - RD 0830, Failure of Taylor Slough Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 10 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.
Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°00'44.741", 121°38'27.980"
Transfer Pick Up Point; 38°00'45.401", 121°37'02.149"
Transfer Pick Up Point; 38°00'47.502", 121°38'21.937"
Transfer Pick Up Point; 38°00'48.889", 121°39'41.369"
Transfer Pick Up Point; 38°00'48.408", 121°38'28.392"
Transfer Pick Up Point; 38°01'15.338", 121°36'33.420"
Transfer Pick Up Point; 38°01'22.630", 121°36'38.336"
Transfer Pick Up Point; 38°01'29.566", 121°39'35.408"
Transfer Pick Up Point; 38°01'36.075", 121°36'46.192"
Transfer Pick Up Point; 38°01'48.915", 121°40'01.364"
Transfer Pick Up Point; 38°02'00.739", 121°37'18.656"
Transfer Pick Up Point; 38°02'04.585", 121°40'14.904"
Transfer Pick Up Point; 38°02'12.591", 121°37'31.290"
Transfer Pick Up Point; 38°02'26.310", 121°37'58.921"
Transfer Pick Up Point; 38°02'37.159", 121°38'05.925"

Rally Points
Emerald Pointe Marina; 4230 Stone Rd., Bethel Island, 38°00'36.653", 121°37'37.003"
San Joaquin Yacht Club; 550 Riverview Place, Bethel Island, 38°00'45.112", 121°38'14.302"
D'Anne Yacht Center; 6500 Bethel Island Rd., Bethel Island, 38°00'45.332", 121°38'26.414"
Lundborg Landing; 6777 Riverview Rd., Bethel Island, 38°01'20.035", 121°36'38.062"
Anchor Marina; 1970 Taylor Rd., Bethel Island, 38°01'28.879", 121°39'30.327"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch;
501 Sunset Dr, Antioch, CA 94509
925.757.2500
Brentwood;
8900 Brentwood Blvd, Ste J, Brentwood, CA 94513
925.634.3201

Oakley;
305 5th St, Oakley, CA 94561
925.625.2449
Pittsburg;
125 E Leland Rd, Pittsburg, CA 94565
925.432.6089

Lowe's
Antioch;
1951 Auto Center Dr, Antioch, CA 94509
925.756.0370
Antioch;
5503 Lone Tree Way, Antioch, CA 94531
925.779.4560

Home Depot
Brentwood;
5631 Lone Tree Way, Brentwood, CA 94513
925.513.6060
Pittsburg;
2300 N Park Blvd, Pittsburg, CA 94565
925.473.1900

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

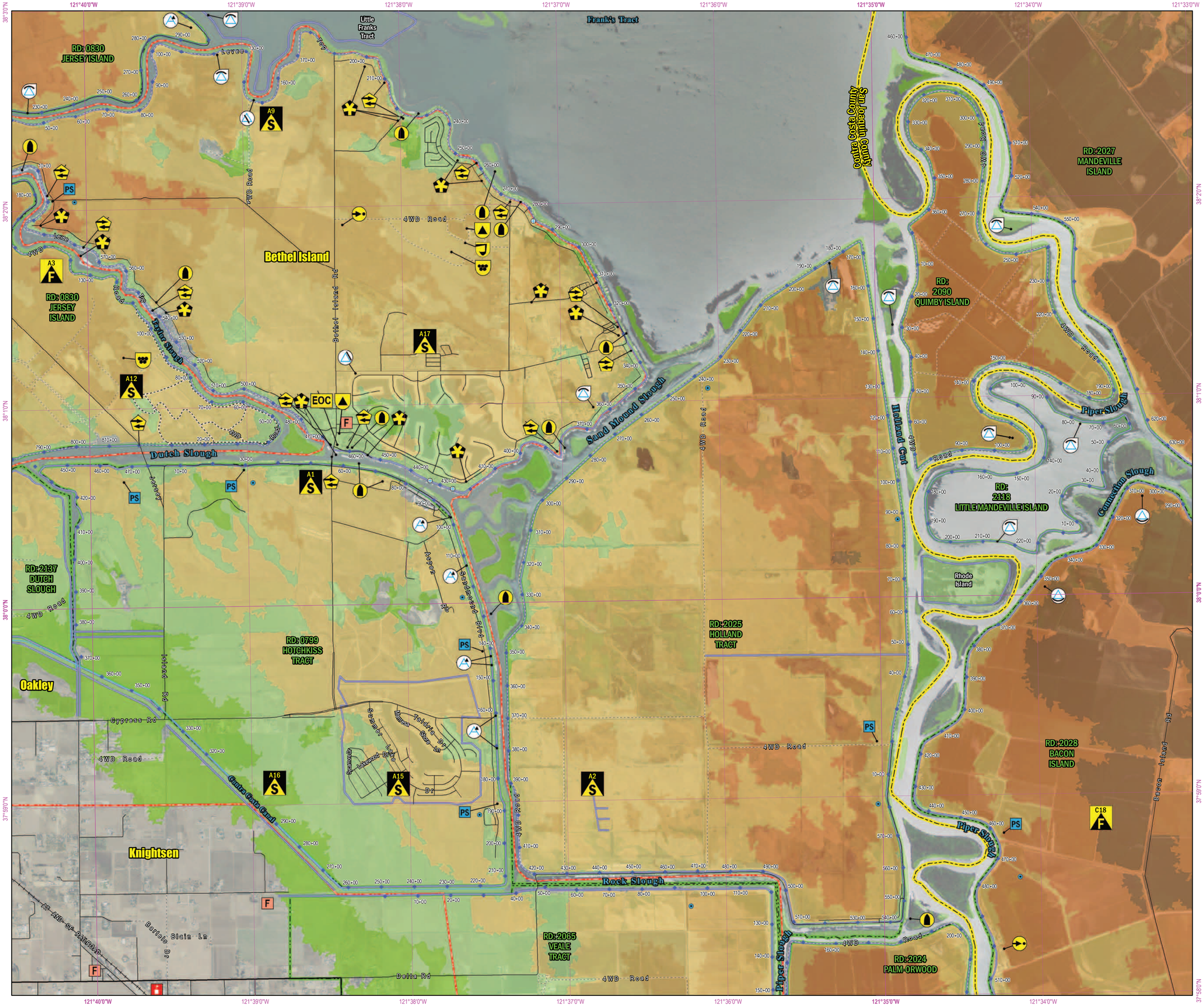
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

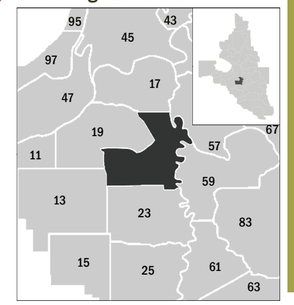
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
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- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.

A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.

A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.

A18 - Orwood Palm RD 2024
This district is a combination of RD 2024 Orwood Tract, and RD 2036 Palm Tract.

A19 - Mokelumne Aqueduct No. 3
EBMUD owns this primary water transport facility which supplies water to most of the East Bay area. The pipeline traverses Orwood Palm following the BNSF Railway Line and is 2.2 meters in diameter. EBMUD has very limited local water storage or supplemental local supply sources. If the aqueduct failed, the supply of water to the East Bay would be majorly affected.

A20 - Kinder-Morgan Fuel Line Warning
A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.

A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm. If a flooding is imminent or occurs, call the BNSF Stockton office at (209) *942 5438*.

A25 - Utility Infrastructure Warning
WAPA electrical transmission lines cross the south west horn of RD 2072, Woodward Island and north through the middle of RD 2024 Palm-Orwood.

C20 - Camp Number Reference
In 1920's and 1930's the island was sold to individual farm families by California Delta Farm Company. These families farmed a section of the island subsequently called a "camp". These separately owned or farmed sections became numbered at some point. While ownership of the island subsequently reverted to a much smaller number of individuals, the tradition of referring to parts of the island by their old camp number has been retained. Location of Camps are located on the San Joaquin County OES Flood Contingency Planning Maps.

C26 - Vehicle Egress
Woodward Island has good levee accessibility on all-weather roads located a top levee crowns. Victoria Island sparsely populated. Recommend helicopter evacuation of work crews and population if flood event is accompanied with sustained rainfall.

C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at *209-466-9625*.

C91 - Utility Infrastructure Warning
There is a Kinder Morgan fuel transmission line adjacent to the EBMUD aqueduct/pipelines across the north end of RD 2072, Woodward Island.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 37°56'19.325", 121°35'45.52"
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Timber Point Elementary; 40 Newberry Ln., Byron, 37°54'28.020", 121°37'09.263"
Knightsen Elementary School; 1923 Delta Rd., County, 37°58'05.000", 121°39'37.606"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.

Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°56'19.476", 121°36'47.620"
Rally Points
Rally Point; 37°56'21.481", 121°36'44.818"
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
Brentwood; 8900 Brentwood Blvd, Ste J, Brentwood, CA 94513 *925.634.3201*
Oakley; 305 5th St, Oakley, CA 94561 *925.625.2449*
Pittsburg; 125 E Leland Rd, Pittsburg, CA 94565 *925.432.6089*

Lowe's
Antioch; 1951 Auto Center Dr, Antioch, CA 94509 *925.756.0370*
Antioch; 5503 Lone Tree Way, Antioch, CA 94531 *925.779.4560*

Home Depot
Brentwood; 5631 Lone Tree Way, Brentwood, CA 94513 *925.513.6060*
Pittsburg; 2300 N Park Blvd, Pittsburg, CA 94565 *925.473.1900*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

12 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

24 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

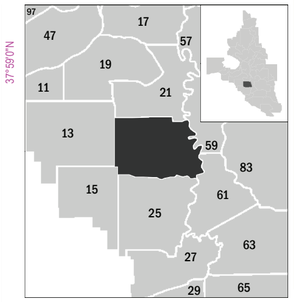
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



! FOR COMPLETE LEGEND, SEE INSIDE COVER !

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

! FOR COMPLETE LEGEND, SEE INSIDE COVER !

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.

A23 - Clifton Court Forebay Daily Operations
During actual daily project operations, data are transmitted hourly to DWR and Reclamation hydrometeorological systems in their water management control centers in Sacramento. These data consist of river flows, tides, salinity, and wind speed/direction at various Delta locations. If the data indicate a significant deviation from the planned conditions, one or more of the three following operational changes can be implemented: (1) adjust project reservoir releases (2) adjust Delta export levels and (3) close or open the Delta Cross Channel gates. Reservoir releases are most effective for meeting Sacramento River salinity criteria or Delta outflow criteria. San Joaquin River salinity criteria (most frequently at Jersey Point) are most effectively met by adjusting the amount of export pumping.

A24 - Old River Scour
Clifton Court Forebay is located directly west across Western Canal from Coney Island and pumps a large amount of water to Southern California. The pumping of enormous volumes of water has caused severe scouring of the river bottom, which possibly will cause an increase in seepage volumes and locations as well as an increase in waterside levee erosion over time. Current depths along the Western Canal from Levee STA. 130+00 to 200+00 is roughly 30-40 FT.

C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at *209-466-9625*.

C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.

C30 - Contra Costa Water District
The CCWD Primary levee is set back to provide proper protection for pumping facility operations. Flooding of island could cause limited to major damage to infrastructure. Pumping would stop until dewatering of district pump facilities. Alternate pumping station on Byron Tract could take over pumping operations if operations were halted for extended periods of time.

C93 - Water Supply
The CCWD Los Vaqueros Intake Pipeline conveys public water supply from the Old River Pump to Los Vaqueros Reservoirs and other storage areas for approx. 265,000 people.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Byron Intermediate; 14401 Byron Hwy., Byron, 37°50'55.970", 121°37'10.114"
Excelsior Middle School; 14401 Byron Hwy, County, 37°52'33.845", 121°38'27.843"
Contra Costa County Court; 4491 Bixler Rd., Byron, 37°52'41.631", 121°37'23.270"
Discovery Bay Elementary School; 1700 Willow Lake Rd., County, 37°54'07.036", 121°35'58.456"
Timber Point Elementary; 40 Newberry Ln., Byron, 37°54'28.020", 121°37'09.263"

CRITICAL INFRASTRUCTURE

Public Water Facilities
CCCWD Drinking Water Intake & Pump Plant; 37°53'14.673", 121°34'36.388"

Waste Water Facilities
Byron Sanitary District; P.O. Box 3, Byron, 37°51'59.979", 121°37'59.992"
Discovery Bay Water Treatment Plant; Stockton, 37°53'15.922", 121°35'00.750"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.

Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*41 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Byron Airport; 500 Falcon Way, Byron, 37°52'01.737", 121°38'16.829"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
Brentwood; 8900 Brentwood Blvd, Ste J, Brentwood, CA 94513 *925.634.3201*
Oakley; 305 5th St, Oakley, CA 94561 *925.625.2449*
Pittsburg; 125 E Leland Rd, Pittsburg, CA 94565 *925.432.6089*

Lowe's
Antioch; 1951 Auto Center Dr, Antioch, CA 94509 *925.756.0370*
Antioch; 5503 Lone Tree Way, Antioch, CA 94531 *925.779.4560*

Home Depot
Brentwood; 5631 Lone Tree Way, Brentwood, CA 94513 *925.513.6060*
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REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
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Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

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ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

12 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

24 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

NOAA Weather Radio

All Hazards NOAA Weather Radio

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162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

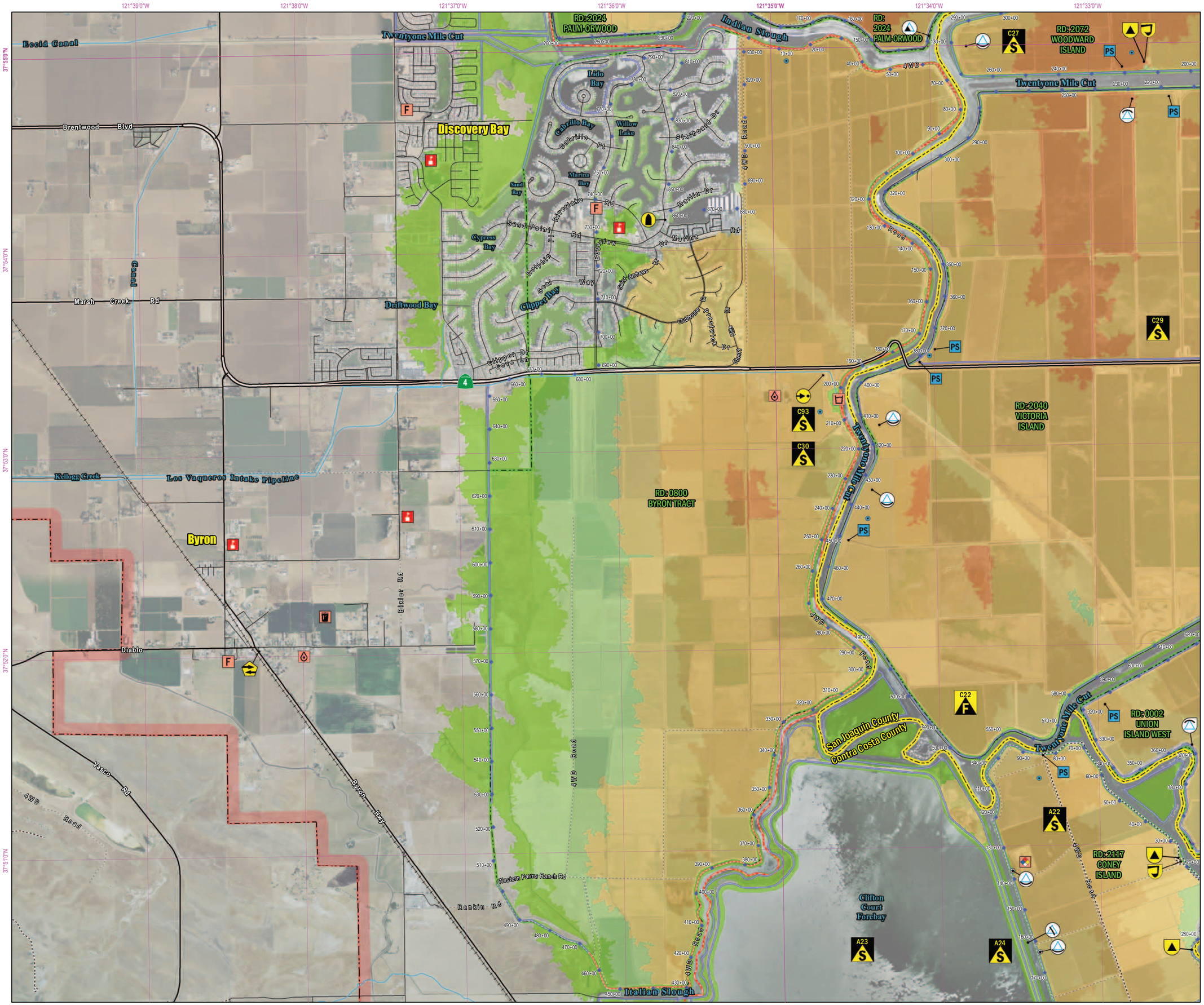
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

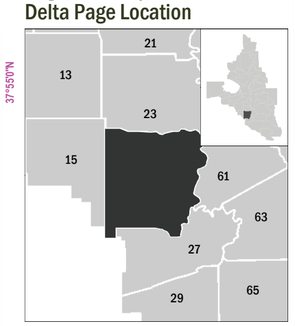
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	**RESOURCE TOTALS** Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
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- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000

miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.

A23 - Clifton Court Forebay Daily Operations
During actual daily project operations, data are transmitted hourly to DWR and Reclamation hydrometeorological systems in their water management control centers in Sacramento. These data consist of river flows, tides, salinity, and wind speed/direction at various Delta locations. If the data indicate a significant deviation from the planned conditions, one or more of the three following operational changes can be implemented: (1) adjust project reservoir releases (2) adjust Delta export levels and (3) close or open the Delta Cross Channel gates. Reservoir releases are most effective for meeting Sacramento River salinity criteria or Delta outflow criteria. San Joaquin River salinity criteria (most frequently at Jersey Point) are most effectively met by adjusting the amount of export pumping.

A24 - Old River Scour
Clifton Court Forebay is located directly west across Western Canal from Coney Island and pumps a large amount of water to Southern California. The pumping of enormous volumes of water has caused severe scouring of the river bottom, which possibly will cause an increase in seepage volumes and locations as well as an increase in waterside levee erosion over time. Current depths along the Western Canal from Levee STA. 130+00 to 200+00 is roughly 30-40 FT.

C36 - Access to Coney Island
Only ground access to Coney Island is through RD #2. In the event of flooding of RD 0002, an emergency access plan would be needed to provide Coney Island with flood fight supplies and other emergency needs.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Mountain House Elementary; 3950 Mountain House Road, Byron, 37°47'16.326", 121°34'39.080"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Byron Sanitary District; P.O. Box 3, Byron, 37°51'59.979", 121°37'59.992"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.

Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*41 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Bixler Tract (RD 2121); Tom Bloomfield, *925.550.5540*
Bradford Island (RD 2059); Dominick Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Byron Tract (RD 800); Jeff Conway, Bus *925.584.8542*
Coney Island (RD 2117); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Dutch Slough (RD 2137); Nate Hershey, *916.456.4400*
Holland Tract (RD 2025); David A. Forkel, Bus *925.932.0251* Bus Cell *925.693.9977*
Hotchkiss Tract (RD 799); Angelia Tant, Bus *925.684.2398*, Bus Cell *925.580.5566*
Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
Palm-Orwood Tract (RD 2024); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°50'36.964", 121°32'17.164"
Byron Airport; 500 Falcon Way, Byron, 37°52'01.737", 121°38'16.829"

Rally Points
Rally Point; 37°50'35.824", 121°32'15.928"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch; 501 Sunset Dr, Antioch, CA 94509 *925.757.2500*
Brentwood; 8900 Brentwood Blvd, Ste J, Brentwood, CA 94513 *925.634.3201*
Oakley; 305 5th St, Oakley, CA 94561 *925.625.2449*
Pittsburg; 125 E Leland Rd, Pittsburg, CA 94565 *925.432.6089*

Lowe's
Antioch; 1951 Auto Center Dr, Antioch, CA 94509 *925.756.0370*
Antioch; 5503 Lone Tree Way, Antioch, CA 94531 *925.779.4560*

Home Depot
Brentwood; 5631 Lone Tree Way, Brentwood, CA 94513 *925.513.6060*
Pittsburg; 2300 N Park Blvd, Pittsburg, CA 94565 *925.473.1900*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

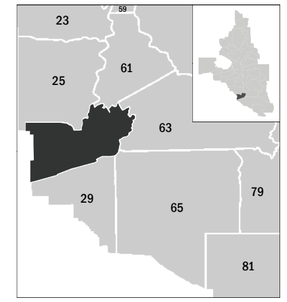
DEVELOPED FROM ICS FORM 215

BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 A: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000

miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Summit School; 37°44'41.144", 121°39'31.810"
Wicklund Elementary; 300 East Legacy Dr., Mountain House, 37°46'22.081", 121°32'25.871"
Mountain House Elementary; 3950 Mountain House Road, Byron, 37°47'16.326", 121°34'39.080"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Contra Costa County Office of the Sheriff
925.335.1500 General Information
*925.6462*441 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
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Reclamation Districts
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Jersey Island (RD 830); Dennis Nunn, Bus *925.625.2279*
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Veale Tract (RD 2065); Dante Nomellini, Sr., Bus *209.465.5883*, Bus Cell *809.969.7755*
Winter Island (RD 2122); Robert Calone, *925.432.3300*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Antioch;
501 Sunset Dr, Antioch, CA 94509
925.757.2500
Brentwood;
8900 Brentwood Blvd, Ste J, Brentwood, CA 94513
925.634.3201
Oakley;
305 5th St, Oakley, CA 94561
925.625.2449
Pittsburg;
125 E Leland Rd, Pittsburg, CA 94565
925.432.6089

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1951 Auto Center Dr, Antioch, CA 94509
925.756.0370
Antioch;
5503 Lone Tree Way, Antioch, CA 94531
925.779.4560

Home Depot
Brentwood;
5631 Lone Tree Way, Brentwood, CA 94513
925.513.6060
Pittsburg;
2300 N Park Blvd, Pittsburg, CA 94565
925.473.1900

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
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707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

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FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

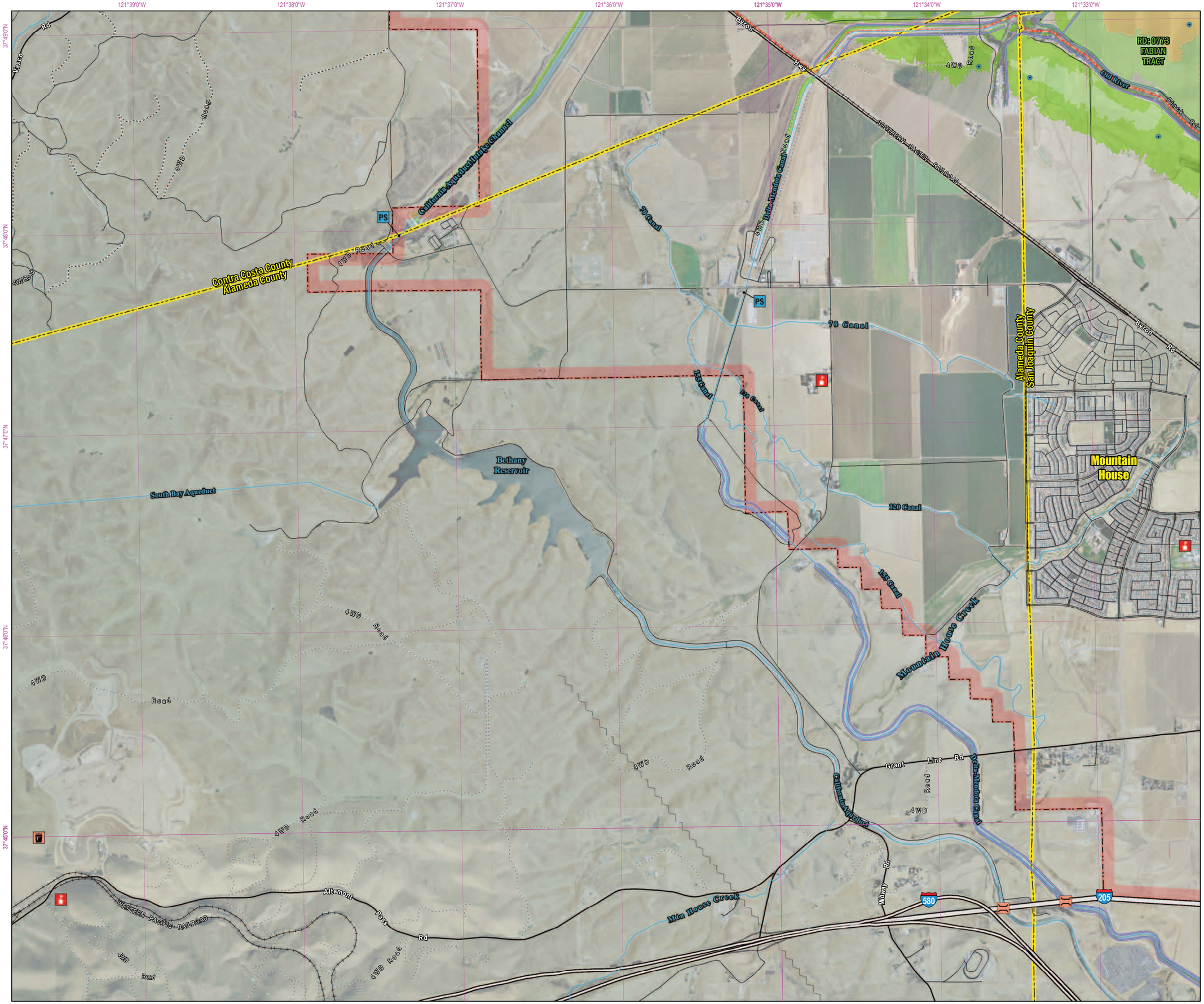
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

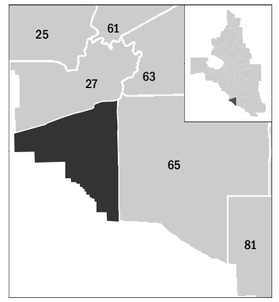
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
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- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION

Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE

1:24,000

1"=2,000 feet

N

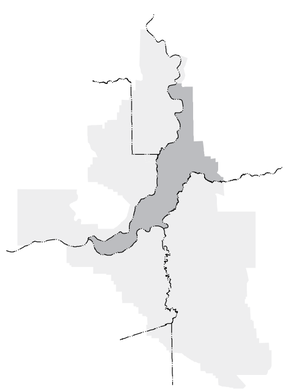
feet 0 2,000

miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988



Sacramento County

Symbol	Feature	Label
	County Boundary	Sacramento County
	Legal Delta Boundary	
	Reclamation District Boundary	**2130** HONKER BAY
	Populated Place	**Concord**
	Contra Costa Map Page Focus Area	**13**
	Other Map Page Focus Area	**43**

N
5 Miles

107
0900
W. SACRAMENTO
0673
SACRAMENTO
WEST SACRAMENTO
0765
GLIDE DISTRICT
33
FREEPORT
109
0307
LISBON DISTRICT
2022
113
0744
CLARKSBURG
0150
MERRITT ISLAND
0999
NETHERLANDS
87
2068
YOLANO
111
35
HOOD
FRANKLIN
0146
2098
CACHE HAAS AREA
89
2093
LIBERTY ISLAND
COURTLAND
0551
PIERSON DISTRICT
37
1002
GLANVILLE
2060
HASTING TRACT
93
0501
RYER ISLAND
91
0536
EGBERT TRACT
2084
EGBERT TRACT
0003
GRAND ISLAND
WALNUT GROVE
41
39
0348
NEW HOPE TRACT
51
THORNTON
2086
CANAL RANCH
43
53
0563
TYLER ISLAND
0038
STATEN ISLAND
2033
BRACK TRACT
ISLETON
45
0317
BRANNAN ISLAND
1601
TWITCHELL ISLAND
0756
BOULDIN ISLAND
TERMINOUS
55
0548
TERMINOUS TRACT
2136
GRIZZLY WEST
SUISUN MARSH
101
97
1607
VAN SICKLE ISLAND
99
2059
BRADFORD ISLAND
17
2026
WEBB TRACT
0341
SHERMAN ISLAND
2023
VENICE ISLAND
2029
EMPIRE TRACT
2044
KING ISLAND
2042
BISHOP TRACT
69
47
57
67
0830
JERSEY ISLAND
19
BETHEL ISLAND
1619
21
2027
MANDEVILLE ISLAND
2037
RINDGE TRACT
2115
SHIMA TRACT
9
2025
HOLLAND TRACT
2030
MCDONALD ISLAND
71
STOCKTON
11
0799
HOTCHKISS TRACT
2028
BACON ISLAND
2021
73

Solano County
Yolo County
Sacramento County
San Joaquin County
Contra Costa County

WINTERS
DAVIS
UC DAVIS
DIXON
ALLENDALE
HARTLEY
VACAVILLE
ELMIRA
FAIRFIELD
SUISUN CITY
RIO VISTA
BAY POINT
CONCORD
PITTSBURG
ANTIOCH
OAKLEY
ROSEMONT
MATHER
LEMON HILL
PARKWAY
FLORIN
RANCHO CORDOVA
VINEYARD
ELK GROVE
WILTON
GALT
HERALD
COLLIERVILLE
DOGTOWN
ACAMPO
WOODBRIDGE
LOCKEFORD
VICTOR
LODI
MORADA
WATERLOO
CLAY

South Fork Putah Creek
Willow Canal
Weyand Canal
Putah South Canal
Swamp Creek
Ulatis Creek
Lagoon Lake
Alamo Creek
Prospect Slough
Sac. River Deep Water Canal
Main Canal
Duck Slough
Elk Slough
Seasonal Lake
Winchester Lake
Laguna Lake
Stone Lake
Badger Creek
Deer Creek
Cosumnes River
Blodgett Reservoir
Montezuma Slough
Grizzly Bay
Suisun Bay
Sacramento River
False River
San Joaquin River
Big Break
Mallard Reservoir
Tracy Lake
Gill Creek
Hog Slough
North Mokelumne River
Union Canal
White Slough
Pixley Slough
Telephone Cut
Bear Creek
Mokelumne Aqueduct
Calaveras River
Stanislaus River
Shunk Creek

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B2 - Interstate 5
Interstate 5 is below predicted base flood elevations. It is important to note that flooding is a threat on the eastern and western sides of I-5. Backwaters from local drainage creeks and Delta levee failure are a concern in this area, major storm events should cause multi-directional flooding.

B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours, flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).

B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
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Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
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Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
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Dutra Materials;
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415.459.7740
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16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
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530.749.1230
Teichert Aggregates;
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916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
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916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

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MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
Meridian Neuro Care; 7601 Jacinto Rd, Elk Grove, 38°26'49.579", 121°24'45.653"
Methodist Hosp Of Sacramento; 7500 Hospital Drive, Sacramento, 38°27'46.502", 121°24'58.315"
BHC Sierra Vista Hospital; 8001 Bruceville Road, Sacramento, 38°28'00.578", 121°25'02.160"
Kaiser Foundation Hospital; 6600 Bruceville Road, Sacramento, 38°28'11.633", 121°25'20.507"
Asian Community Nursing Home; 7801 Rush River Dr, Sacramento, 38°29'02.459", 121°31'45.880"
Briarwood Health Care; 5901 Lemon Hill Ave, Sacramento, 38°30'57.582", 121°26'12.528"
Adult Care Facilities
Rose Court Guest Home; Elk Grove, 38°24'47.287", 121°23'11.912"
Meadows Senior Living; Elk Grove, 38°25'08.367", 121°23'28.941"
Sunrise At Laguna Creek; Elk Grove, 38°25'18.571", 121°25'30.615"
Golden Touch Residential; Elk Grove, 38°25'55.430", 121°27'08.091"
Daljeet Singh's Nursing Care; Elk Grove, 38°25'54.606", 121°25'20.617"
Westwood Care Home; Sacramento, 38°27'31.190", 121°25'19.024"
Good Shepherd Care Homes; Sacramento, 38°27'34.101", 121°26'29.117"
Regency Place Assisted Living; Sacramento, 38°27'34.719", 121°25'19.958"
Rosemary's Care Home; Sacramento, 38°27'50.526", 121°23'14.027"
Sea Drift Manor; Sacramento, 38°27'56.651", 121°27'31.849"
Camelot Care Home; Sacramento, 38°28'03.325", 121°23'15.401"
Spring Garden Residential Care; Sacramento, 38°28'04.794", 121°23'52.205"
Southbreeze Gardens Inc; Sacramento, 38°28'20.972", 121°23'50.172"
Grand River Care Ctr; Sacramento, 38°28'32.754", 121°30'25.158"
Newfield Circle Care Home; Sacramento, 38°28'34.183", 121°24'03.603"
Jbonics Group Home Inc; Sacramento, 38°28'38.481", 121°29'06.194"
S R Williams Residential; Sacramento, 38°28'48.492", 121°26'08.545"
Jasmine-Hall III; Sacramento, 38°28'51.733", 121°29'51.677"
Hellenic Seniors Ctr; Sacramento, 38°29'01.456", 121°31'41.953"
Grand Court Sacramento; Sacramento, 38°29'01.058", 121°31'04.27'"
Golfview Manor Williams Res Hm; Sacramento, 38°29'11.797", 121°29'56.649"
Woods Retreat; Sacramento, 38°29'17.785", 121°29'47.750"
Grace Care Home; Sacramento, 38°29'14.406", 121°24'45.461"
Scott's Care Facility; Sacramento, 38°29'22.097", 121°27'31.409"
Florin Health Care Ctr; Sacramento, 38°29'25.310", 121°28'49.715"
Parkway Guest Home; Sacramento, 38°29'32.547", 121°27'14.408"
Mesa Verde Guest Home; Sacramento, 38°29'33.358", 121°27'38.358"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Waste Water Facility; 38°25'27.291", 121°29'03.997"
Sacramento Regional Wastewater Treatment; 8521 Laguna Station Road, Elk Grove, 38°26'19.394", 121°27'30.860"
Sacramento R.C.S.D.; Freeport & Riverside St, Sacramento, 38°28'19.996", 121°30'16.012"
Sacramento R.C.S.D. Natomas Wt; Natomas Airport Rd, Sacramento, 38°30'59.999", 121°31'00.012"
Sacramento R.C.S.D., Combined WWTP; Sacramento, 38°31'11.987", 121°31'22.012"

OPERATIONAL PLANNING WORKSHEET

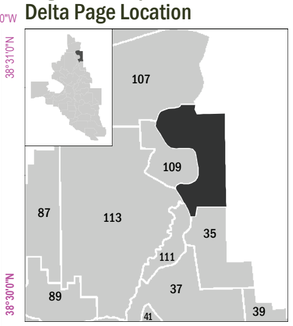
DEVELOPED FROM ICS FORM 215

												RESOURCE TOTALS	
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need
1														
2														
3														
4														
5														
6														
7														
8														
REPORTING LOCATION														
REQUESTED ARRIVAL TIME														

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10
				Sea Level	

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000
miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.

B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 38°20'21.336", 121°33'37.392"
Seasonal Agriculture Work Site; 38°20'34.396", 121°33'18.330"
Seasonal Agriculture Work Site; 38°20'44.091", 121°32'19.389"

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Bates Elementary; 180 Primasing Ave., Courtland, 38°19'51.096", 121°34'09.307"
Mokelumne High (Continuation); 151 Courtland High School Ln., Courtland, 38°19'51.604", 121°34'03.978"
Franklin Elementary; 4011 Hood-Franklin Rd., Elk Grove, 38°22'30.906", 121°27'21.851"
Toby Johnson Middle; 10099 Franklin High Rd., Elk Grove, 38°23'30.438", 121°27'09.382"
Helen Carr Castello Elementary; 9850 Fire Poppy Dr., Elk Grove, 38°23'46.684", 121°26'09.589"
Elliott Ranch Elementary; 10000 East Taron Dr., Elk Grove, 38°24'14.905", 121°28'25.957"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Waste Water Facility; 38°23'13.231", 121°30'24.719"
Waste Water Facility; 38°23'38.966", 121°28'19.612"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

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3. PLAN SUPPORT

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CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°20'29.150", 121°33'35.881"
Transfer Pick Up Point; 38°20'45.355", 121°32'18.345"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

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NO FEATURES IN MAP AREA

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Teichert Aggregates;
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CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

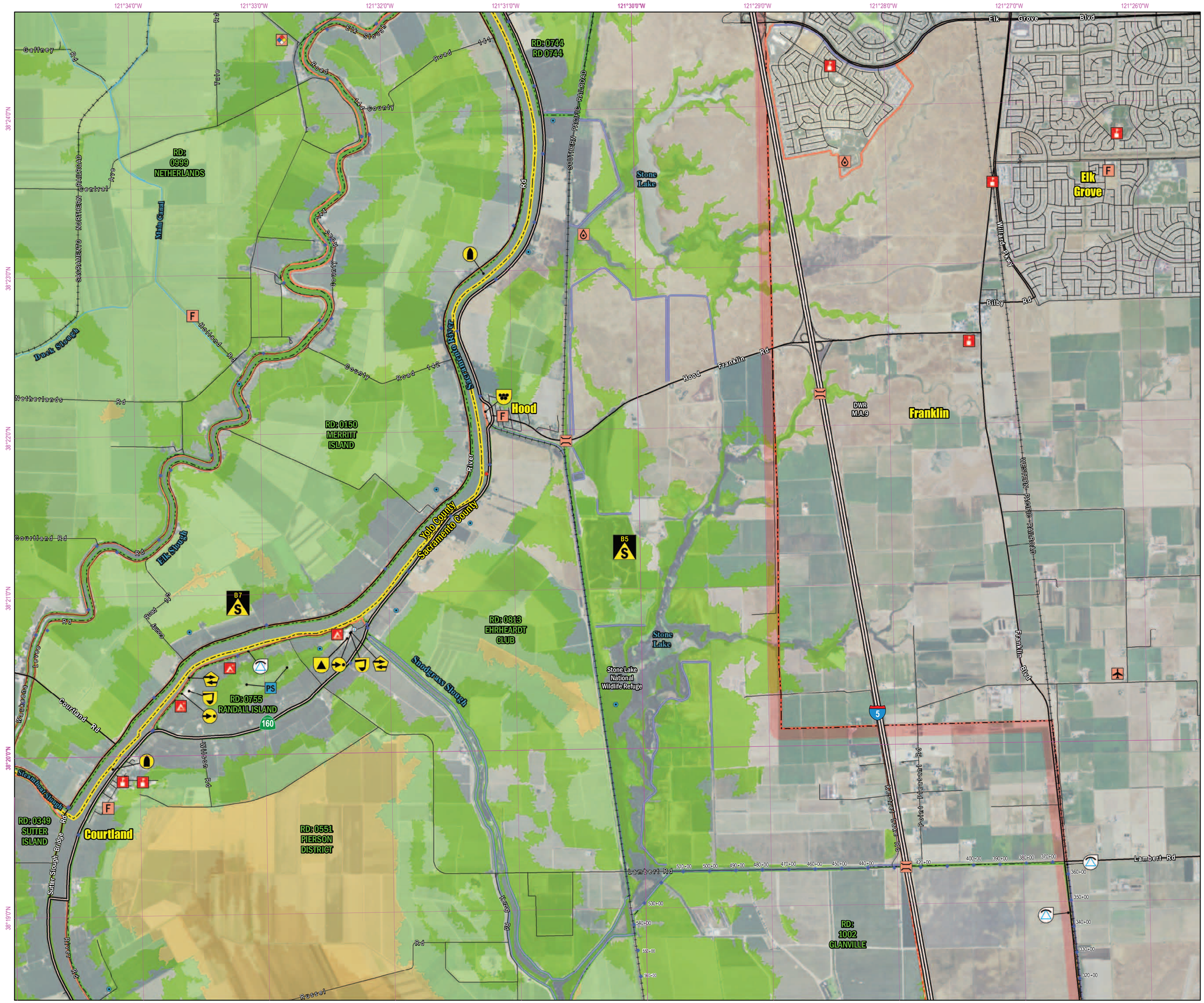
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

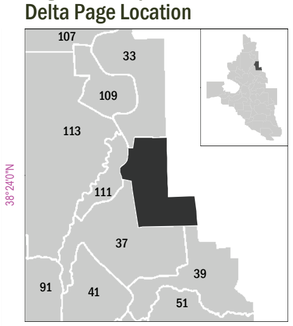
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88 — FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10 | Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet 0 — 2,500
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.

B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.

B6 - Transportation Concern
The width of Hwy 160 makes U-turns difficult for large equipment and trucks.

B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.

B10 - Project Levee River Road Hwy
Highway 160 links SR 4 in Antioch with Sacramento via the Antioch Bridge. The highway along the Sacramento River is approx 12 FT higher than the adjoining ground in many places, however, Highway 160 has sloughing and cracking in many areas along the levee crown.

C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.

C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.

C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

*Record additional Special Flood Considerations on the lines provided below. Please submit additional information to **DeltaNews@usace.army.mil**.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 38°20'21.336", 121°33'37.392"
Seasonal Agriculture Work Site; 38°20'34.396", 121°33'18.330"
Seasonal Agriculture Work Site; 38°20'44.091", 121°32'19.389"

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Bates Elementary; 180 Primasing Ave., Courtland, 38°19'51.096", 121°34'09.307"
Mokelumne High (Continuation); 151 Courtland High School Ln., Courtland, 38°19'51.604", 121°34'03.978"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

*Record additional Flood Contingency Options on the lines provided below. Please submit additional information to **DeltaNews@usace.army.mil**.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
Ehrheardt Club (RD 813); Thomas Herzog, Bus *916.871.4060*
Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'47.585", 121°30'34.085"
Transfer Pick Up Point; 38°20'29.150", 121°33'35.881"
Transfer Pick Up Point; 38°20'45.355", 121°32'18.345"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

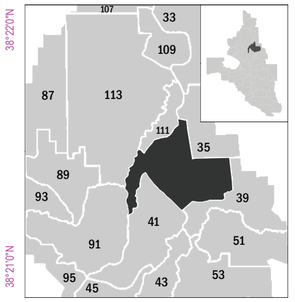
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



! FOR COMPLETE LEGEND, SEE INSIDE COVER !

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

! FOR COMPLETE LEGEND, SEE INSIDE COVER !

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000
miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.

B10 - Project Levee River Road Hwy
Highway 160 links SR 4 in Antioch with Sacramento via the Antioch Bridge. The highway along the Sacramento River is approx 12 FT higher than the adjoining ground in many places, however, Highway 160 has sloughing and cracking in many areas along the levee crown.

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.

C1 - Floodwaters
Following 1986 flood, the railroad raised track embankment by 2 FT and strengthened embankments with additional rock. In the event of a levee failure east of the railroad track, ponding floodwaters may break through embankment. There have been previous embankment failures along the railroad track in this area. The strengthened embankment will hold longer, allowing floodwaters to pond at greater depths, which may cause greater destruction if embankment fails. Possibility exists of significant flow through Thornton if embankment fails at that location or south of town.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29)

C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.

C8 - 1986 Levee Breech
Levee failed around 6:55 a.m., on February 22, 1986, less than an hour after passage of levee patrol. This area was, and historically has been, an area of heavy seepage. The levee was supersaturated from a long period of high water levels and subsequently lost its ability to hold even though water levels had receded around one and one-half feet from highs prior to break.

C9 - 1986 Levee Repair
The levee breach between STA. 750+00 and 770+00 stabilized and water moving through receded rapidly. The dredger used to repair the break had to trench a channel to gain access and move into position.

See complete Special Flood Considerations list in Index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
New Hope Elementary; 26675 North Sacramento Blvd., Thornton, 38°13'44.908", 121°25'26.934"
Walnut Grove Elementary; 14181 Grove St., Walnut Grove, 38°14'27.562", 121°30'45.895"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Waste Water Facility; 38°14'18.293", 121°30'19.720"

2. FLOOD CONTINGENCY OPTIONS

C114 A — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.
Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.
Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district. 4. Place visquine on inside of primary levees where erosion from impounded waters is possible

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
Ehrheardt Club (RD 813); Thomas Herzog, Bus *916.871.4060*
Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°13'22.935", 121°25'16.662"
Transfer Pick Up Point; 38°14'28.634", 121°30'45.648"
Transfer Pick Up Point; 38°14'47.585", 121°30'34.085"

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Rally Point; 38°13'32.081", 121°28'07.857"
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Shelters
Mass Care Shelter; 38°14'28.634", 121°30'45.648"
Mass Care Shelter; 38°14'39.936", 121°30'52.157"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

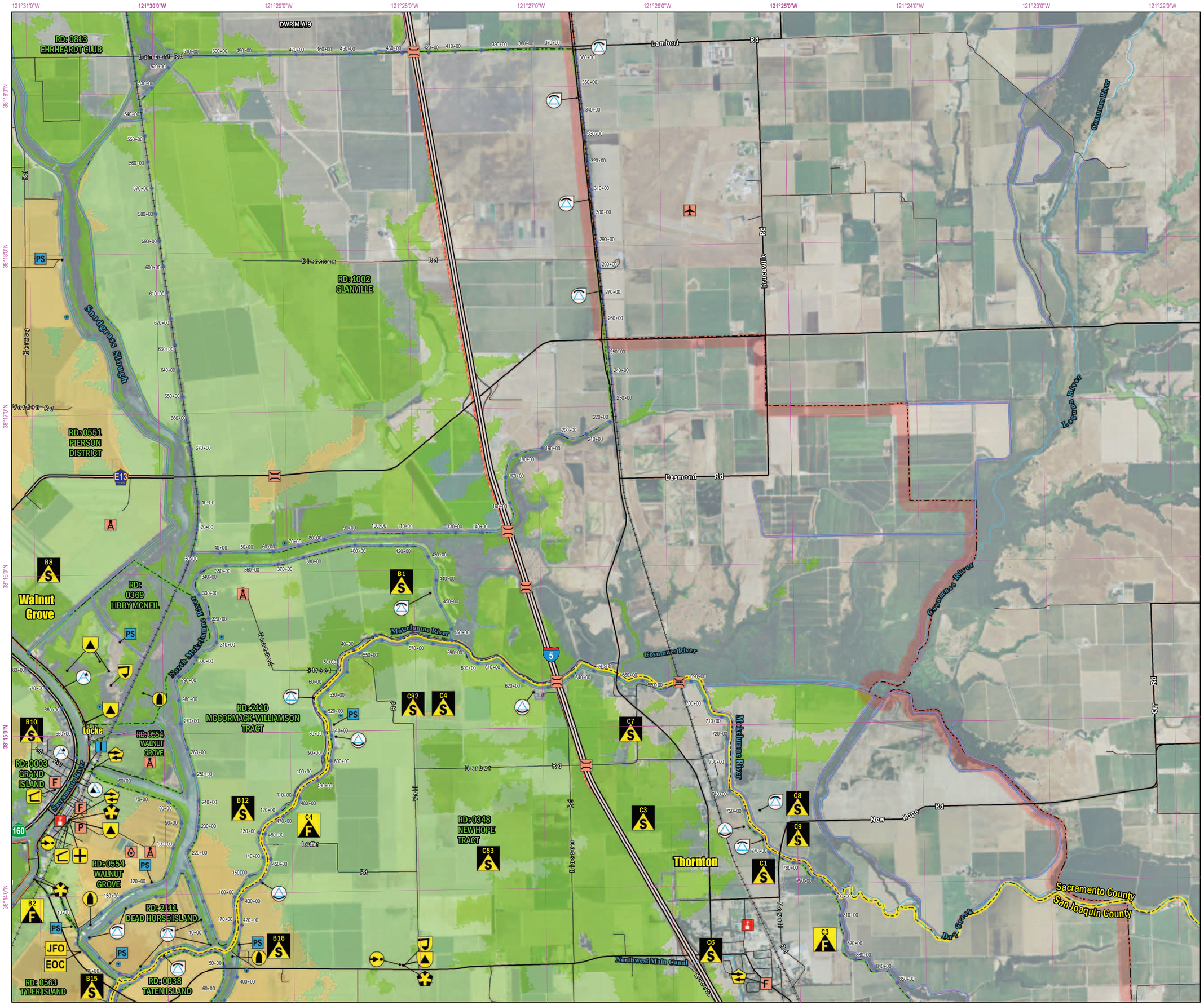
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

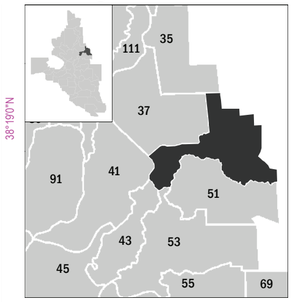
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet 0 — 2,500

miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Sacramento

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B6 - Transportation Concern
The width of Hwy 160 makes U-turns difficult for large equipment and trucks.

B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.

E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.

E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.

E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES
Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
River Delta High/Elementary; 445 Montezuma, Rio Vista, 38°09'25.960", 121°41'40.296"
Isleton Elementary; 412 Union St., Isleton, 38°09'41.506", 121°36'34.189"
D. H. White Elementary; 500 Elm Way, Rio Vista, 38°09'54.470", 121°41'36.670"
Walnut Grove Elementary; 14181 Grove St., Walnut Grove, 38°14'27.562", 121°30'45.895"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Waste Water Facility; 38°09'30.355", 121°35'29.946"
Waste Water Facility; 38°14'18.293", 121°30'19.720"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).

Actions
1. Raise and reinforce the Andrus cross levee.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
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State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
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Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE
Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'28.634", 121°30'45.648"
Transfer Pick Up Point; 38°14'51.581", 121°42'09.684"
Transfer Pick Up Point; 38°14'47.585", 121°30'34.085"

Rally Points
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Greenhaven Hardware Inc
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916.391.3038

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Sacramento, CA 95832
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	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

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WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

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NOTES: ____

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OPERATIONAL PLANNING WORKSHEET

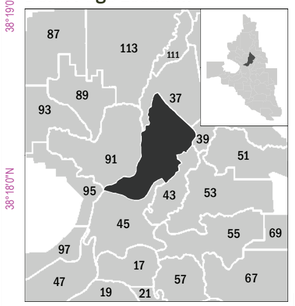
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
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- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
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- H Helipad
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- Earthen Material
- Repair Contractor Location
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- Flood Response Resource, Supply Staging

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- Levee Station
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- Historic Levee Relief Cut
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- Levee Access
- Levee Seepage
- Levee Distress Point
- PS Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10 | Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:48,000
1"=4,000 feet

N

feet 0 4,000

miles 0 0.5 1

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ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

FOR A DETAILED MAP OF THIS AREA, SEE PAGE 39

FOR A DETAILED MAP OF THIS AREA, SEE PAGE 43 & 51

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B18 - Oxbow Marina
Oxbow Marina located on the Georgiana Slough contains some permanent populations that may get isolated during or after a levee failure event.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29).

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C11 - Levee Patrol Procedures and Considerations - Canal Ranch
District President will initiate and coordinate patrols upon prediction that water elevations will reach Monitor Stage at Benson Ferry Gauge. District will conduct three patrols per day at Monitor Stage and continuous 24-hour a day patrols at Flood Stage. Patrol personnel meet at Canal Ranch Headquarters on north side of district to receive briefings, meet relief crews, and exchange communications equipment. Patrols provided with sandbags, shovels, and other supplies to respond to problems. Single 2 person patrol to cover the seven miles of primary levee starting from Canal Ranch Headquarters and exiting at east end of Hog Slough.

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

See complete Special Flood Considerations list in Index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Isleton Elementary; 412 Union St., Isleton, 38°09'41.506", 121°36'34.189"
Walnut Grove Elementary; 14181 Grove St., Walnut Grove, 38°14'27.562", 121°30'45.895"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Waste Water Facility; 38°09'30.355", 121°35'29.946"
Waste Water Facility; 38°14'18.293", 121°30'19.720"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.
Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).
Actions
1. Raise and reinforce the Andrus cross levee.

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district. 4. Place visquine on inside of primary levees where erosion from impounded waters is possible

C6 - RD 2086 - Canal Ranch, Failure of Primary Levee
The general floodfight strategy will be to close breach and install emergency pumping capacity at site of current district pumping station on south side of district to dewater district
Actions
1. Armor edges of breach to limit length of levee washed out 2. Install emergency pumping capacity pending closure of breach at site shown for district pumping station 3. Protect interior slopes of primary levee from damage from impounded water

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.
Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

C9 - RD 2033 - Brack Tract, Failure of Primary Levee
The primary floodfight strategy will be to prevent movement of floodwaters east of Interstate 5 or south into Terminous Tract from end of Sycamore Slough.
Actions
1. Repair levee breech 2. Evaluate potential extend of movement of floodwaters to East and potential depths and prepare plans for emergency berms at Interstate 5 underpass or extending East from Sycamore Slough if warranted 3. Place visquine on inside of primary levees where exposed to wave action to reduce damage to interior of levees 4. Place additional pumps at district pumping station for dewatering operations

C10 - RD 2033 - Brack Tract, Failure of private levees on south bank of Mokelumne River east of district
The primary floodfight strategy will be to prevent movement of floodwaters into district from the East
Actions
1. Extend Brack Tract Dryland Levee and hold floodwaters at this point and install pumps to move floodwaters into Hog Slough.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
Ehrheardt Club (RD 813); Thomas Herzog, Bus *916.871.4060*
Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'28.634", 121°30'45.648"

Rally Points
Rally Point; 38°09'42.852", 121°36'39.627"
Rally Point; 38°13'32.081", 121°28'07.857"
Rally Point; 38°13'47.929", 121°30'42.077"
Rally Point; 38°14'06.551", 121°31'02.594"
Rally Point; 38°14'28.634", 121°30'45.648"

Shelters
Mass Care Shelter; 38°14'28.634", 121°30'45.648"
Mass Care Shelter; 38°14'39.936", 121°30'52.157"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

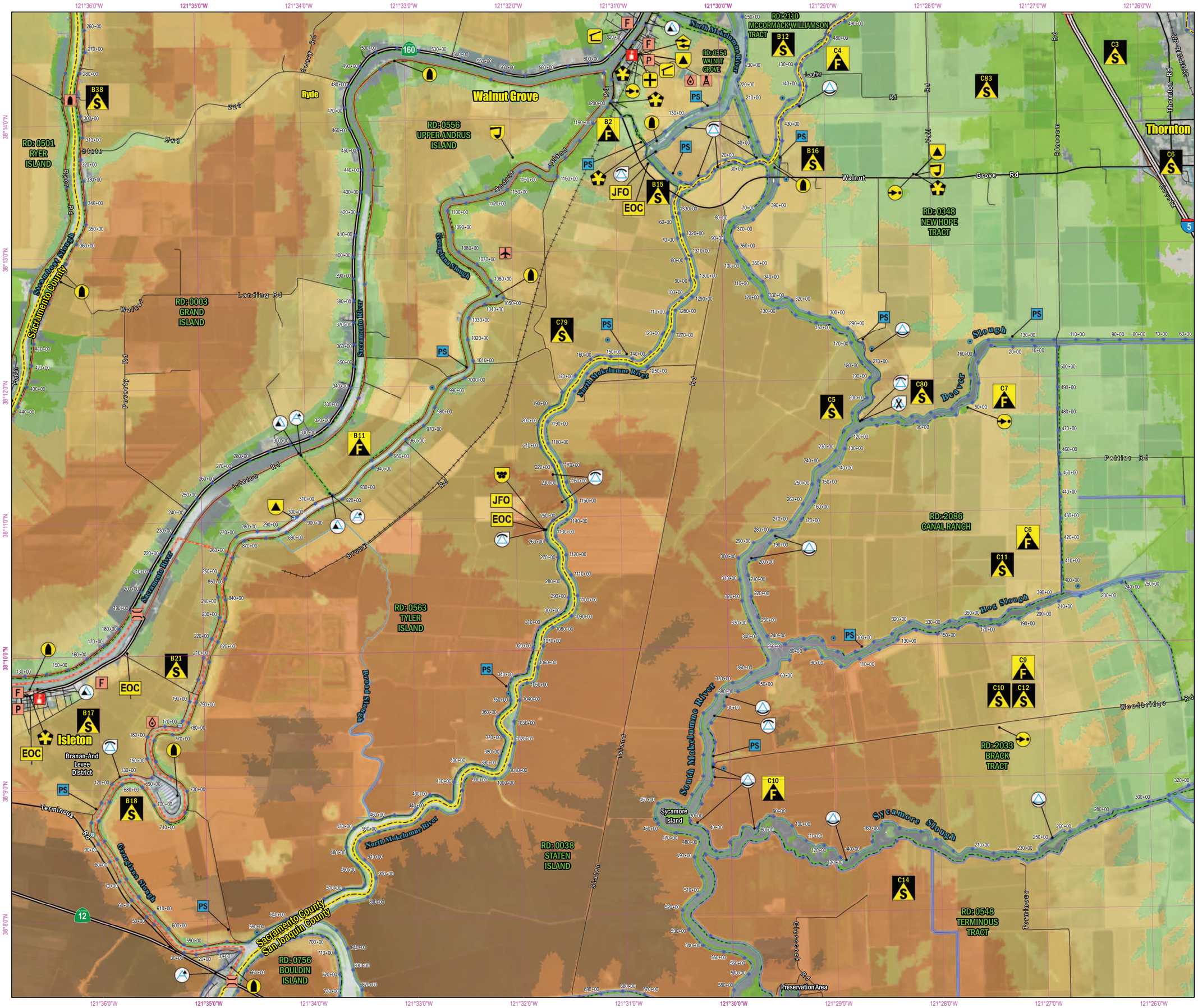
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

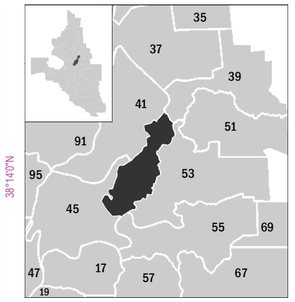
							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B18 - Oxbow Marina
Oxbow Marina located on the Georgiana Slough contains some permanent populations that may get isolated during or after a levee failure event.

B19 - Local Marinas are Recreation
Businesses and resort goers are vulnerable due to remote access in the southeastern horn of the island, near the confluences of the San Joaquin and Mokelumne River. Approximately four marinas are located in the immediate area. It may take 6-7 days to repair breaches and extended periods of time to dewater the Island. Approximately 13,000 acres of land will experience 1-2 months down time, i.e. loss of power and water. After extended outages, it may be necessary to evacuate areas effect by levee breach or flooding. The stretch of levee along Brannan Island Road at the River's Edge Marina & Resort is a low area possibly exposing vulnerability to resort area at River's Edge Marina & Resort. River's Edge Marina & Resort *(916)777-6172*.

B20 - Highway 12 Grade
California Highway 12 traversing Brannan Island RD 317 is at grade and may be effected any combination of levee failures. The highway also transects the lower elevations of the island. Some areas of Highway 12 or approx. 15 FT below sea level.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)-*777-7701*.

B24 - Brannan-Andrus Levee Maintenance District
The Brannan-Andrus Levee Maintenance District and RD 2067, 317, & 407 drainage overview maps depicts drainage control for the entire area. The entire area drains to the southern portion of the Island.

B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

C18 - Levee Patrol Procedures and Considerations
District Superintendant organizes patrols. Patrols meet and organize at District Shop. 2, patrols run North and South from shop and meet at PS #1. The District will run patrols at 30 minutes intervals.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
Delta Rose Residence RCFC; Rio Vista, 38°09'12.310", 121°41'38.098"

Schools
Riverview Middle; 525 South Second St., Rio Vista, 38°09'08.643", 121°41'40.460"
Rio Vista High; 410 South Fourth St., Rio Vista, 38°09'14.795", 121°41'48.480"
River Delta High/Elementary; 445 Montezuma, Rio Vista, 38°09'25.960", 121°41'40.296"
Isleton Elementary; 412 Union St., Isleton, 38°09'41.506", 121°36'34.189"
D. H. White Elementary; 500 Elm Way, Rio Vista, 38°09'54.470", 121°41'36.670"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
City of Rio Vista; 1000 Beach Drive, Rio Vista, 38°08'57.945", 121°41'40.021"
Waste Water Facility; 38°09'30.355", 121°35'29.946"
Rio Vista & Blackhawk Venture; 6001 Airport Road, Rio Vista, 38°11'39.444", 121°42'48.246"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).
Actions
1. Raise and reinforce the Andrus cross levee.

B12 - Brannan-Andrus, Failure of Jackson Slough Levee on RD 2067 (Brannan Island)
This scenario will lead to flooding of Brannan Island west of South Jackson Slough, which is known as stress area.
Actions
1. Coordinate with Brannan-Andrus Levee Maintenance District (BALMD) as they oversee de-watering activities on floodfight strategy. 2. Determine evacuation routes for population on eastern and western portions of the island. 3. Coordinate with Caltrans for closure of State Highway 12. 4. Determine protection plan for drainage structures and pump stations along southern levee.

C16 - RD 756 - Bouldin Island, Failure of Primary Levees
The general floodfight strategy will be to seal the breach when able and install emergency pumps at the location for the emergency pumping station to dewater the district
Actions
1. As soon as able, armor ends of break to stabilize growth of breach 2. Seal break once waters have stabilized 3. Place emergency pumps at emergency pumping station and begin dewatering upon repair of breach

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil***.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
Ehrheardt Club (RD 813); Thomas Herzog, Bus *916.871.4060*
Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
Rally Point; 38°05'20.498", 121°42'21.220"
Rally Point; 38°09'42.852", 121°36'39.627"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio — NOAA's National Weather Service

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

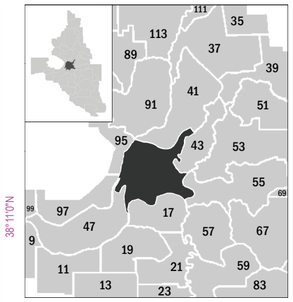
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS Required / Have / Need

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 — 3,000
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

Sacramento

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.

A6 - Evacuation Concerns
In major levee breach and resulting large scale flood event, have all personnel and equipment evacuate to high ground, most commonly the levee crown.

A7 - Disease Control
There are 220 head of cattle on the island at all times. During a flood many head of cattle could become trapped and/or perish. Animal carcass management is a concern for disease control. Coordinate with the California Department of Food and Agriculture through the local county OES for disposal methods.

A10 - Floodfight Personnel
On site flood fight personnel are manned through the RD HQ. Personnel have knowledge of in-place standard operating procedures based on daily conditions, schedule, etc. RD HQ has capability to man 24/7 levee patrol and preventative preparation in advance of storm.

A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.

A14 - Slope
General slope characteristic is toward the center of the island.

B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)-*777-7701*

B25 - RD 341
The southern levee on the San Joaquin River side failed and flooded the island on January 20, 1969. Upon finding the break, a large quantity of rock was placed on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tidal movement. Without placement of the rock, the break, which was approximately 275 feet wide and about 45 feet below mean sea level, would have been greatly enlarged. After the break, the water inside the island equalized with San Joaquin River heights. The floodwaters incised a deep channel on the waterside/landside toe of the levee at the site of the break. USACE repaired, re-sloped, and re-graded the levee break area after the 1969 break.

B26 - RD 341
Serious levee breach and major flooding of RD 341 occurred during 1904 when a crevasse opened on Mayberry Slough. Floodwaters again inundated the Island in *1906, 1909* and most recently on January 20, 1969, when a Sherman Island levee failed during storm.

B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

B28 - Sherman Island
Sherman Island is located at the confluences of the Sacramento and San Joaquin River. The 14,000-acre island has numerous lifelines that pass across, under and over the island. Natural gas pipelines, regional electricity transmission lines, two deepwater shipping channels run alongside it, and Highway 160 (a link between major expressways Hwy 80 and 4, and a "short-cut" to Sacramento) all transect the island.

B29 - RD 341
Along West Sherman Island Road, on the east side of Sherman Lake the weakest point of the levee exists and is susceptible to breaching.

B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.

B31 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on Sherman Island near East Levee Road along the San Joaquin River.

B32 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on West Sherman Island Road along the Sacramento River between Station 700+00 and 720+00.

B33 - RD 341
Entrance to Mayberry Slough is not accessible by a rock barge as the water level is too shallow.

B34 - RD 341
In 1990 a drainage system was installed on the landside levee berm to control seepage from station 410+00 to 480+00. Occasional boils and/or sinkholes have developed and been repaired in the area between 410+00 and 440+00.

B35 - RD 341
A sand boil occurs repetitively on West Sherman Island Road between Station 700+00 and 730+00.

See complete Special Flood Considerations list in Index.

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

B14 - RD 341, Failure of the Southern Levee on RD 341
The general floodfight strategy is to place a large quantity of rock on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tide.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil***.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below. (Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter)

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Sacramento County Office of the Sheriff
916.874.5111, Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Andrus Island (RD 407); Gil Labrie, Bus *916.776.2277*
Brannan Island (RD 317); Gil Labrie, Bus *916.776.2277*
Deadhorse Island (RD 2111); Daniel M. Wilson, Bus *916.776.1701*, Bus Cell *916.417.0909*
Ehrheardt Club (RD 813); Thomas Herzog, Bus *916.871.4060*
Glanville (RD 1002); Eric Loretz, Bus *916.684.2115*
Grand Island (RD 3); Ken Pucci, Bus *916.777.6894*, Bus Cell *916.825.7039*
Libby McNeil (RD 369); Clarence Chu, *916.776.1661*
Pierson District (RD 551); Topper Van Loben Sels, Bus *916.775.1941*, Bus Cell *916.439.3291*
Randall Island (RD 755); Douglas Hemly, Bus *916.775.1379*, Bus Cell *916.416.4885*
Sherman Island (RD 341); Juan Mercado, Jr., Bus *916.653.5620*
Sutter Island (RD 349); Frederick C. Wheeler, Bus *916.775.1516*, Bus Cell *916.416.0666*
Twitchell Island (RD 1601); Juan Mercado Jr., Bus *916.653.5620*, Bus Cell *916.826.8406*
Tyler Island (RD 563); Steve Mello, Bus *916.776.1801*, Bus Cell *916.825.1698*
Walnut Grove (RD 554); G.C. Wilson, *916.776.1142*

CARE & PLACE

Transfer Pick Up Points
Los Medanos College; 2700 East Leland Rd., Pittsburg, 38°00'19.528", 121°51'40.341"
Fairgrounds; 1201 W. Tenth St., Antioch, 38°00'29.470", 121°49'21.227"
Antioch/Pittsburg, 100 I St., Antioch; 38°01'03.720", 121°48'57.689"

Rally Points
Rally Point; 38°02'33.918", 121°41'32.688"
Rally Point; 38°05'20.498", 121°42'21.220"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Sacramento;
Greenhaven Hardware Inc
388 Florin Rd,
Sacramento, CA 95831
916.391.3038

Lowe's
NO FEATURES IN MAP AREA

Home Depot
Sacramento;
1461 Meadowview Rd,
Sacramento, CA 95832
916.399.9905

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Repair Contractors
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160 River Rd, Rio Vista, CA 94571
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Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
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916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

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Dutra Materials;
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Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
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Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
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Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
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916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
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	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data
NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather
Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below. (Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School)

FUNCTIONAL CARE FACILITIES

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
Friendship Manor; Antioch, 38°00'10.340", 121°47'47.486"
Lake Alhambra Retirement Ctr; Antioch, 38°00'18.127", 121°47'28.342"
Country Place Assisted Living; Antioch, 38°00'19.995", 121°47'30.512"
Antioch Rivertown Senior Hsng; Antioch, 38°00'29.525", 121°48'22.230"
Antioch Convalescent Hospital; Antioch, 38°00'34.236", 121°48'22.230"
Schools
Kinder Care Learning Center; 2300 Mahogany Way, Antioch, 38°00'11.975", 121°49'55.257"
East County Elementary Special Education; 4207 Delta Fair Blvd., Antioch, 38°00'13.101", 121°50'58.593"
Zion Christian Academy; 2127 Dogwood Wy., Antioch, 38°00'15.325", 121°49'34.383"
Project Second Chance; 501 W 18Th St., Antioch, 38°00'17.001", 121°48'45.302"
Los Medanos College; 38°00'19.006", 121°51'38.007"
Live Oak High; 1708 F. St., Antioch, 38°00'18.924", 121°48'38.627"
Antioch Middle School; 1500 D St., Antioch, 38°00'19.500", 121°48'47.114"
Vintage Parkway Elementary School; 1000 Vintage Pkwy., Oakley, 38°00'16.122", 121°43'08.159"
Antioch High School; 700 18Th St., Antioch, 38°00'21.972", 121°49'01.671"
Calvary Chapel; 1771 Vineyard Dr., Antioch, 38°00'24.018", 121°45'58.804"
Shining Star Christian Academy; 1548 Sandy Wy., Antioch, 38°00'26.12'", 121°47'00.932"
Kimball Elementary School; 1310 August Wy., Antioch, 38°00'28.550", 121°48'06.904"
Fremont Elementary School; 1413 F St., Antioch, 38°00'29.003", 121°48'42.555"
Holy Rosary Elementary; 25 E. 15Th St., Antioch, 38°00'29.567", 121°48'18.495"
Lerner Center Charter; 1201 W. 10Th St., Antioch, 38°00'36.337", 121°49'23.259"
Antioch Christian Tutorial Elem/High; 405 W 6Th St., Antioch, 38°00'49.781", 121°48'43.764"
Delta Christian High School; 625 W 4Th St., Antioch, 38°00'54.917", 121°48'52.800"
Bridges; 1023 West Second St., Antioch, 38°01'01.303", 121°49'08.181"
Prospects High School; 820 2nd St., Antioch, 38°01'02.210", 121°49'00.106"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Treatment Plant, Pittsburg; 38°01'59.998", 121°48'00.011"
Waste Water Facilities
Delta Diablo Sanitation District; P.O. Box 929, Antioch, 38°00'42.009", 121°48'23.988"
Delta Diablo Sanitation District; 2500 Pittsburg-Antioch Highway, Antioch, 38°01'00.012", 121°50'30.001"
City of Antioch WTP; 425 Fulton Shipyard Rd, Antioch, 38°01'00.012", 121°48'00.011"

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

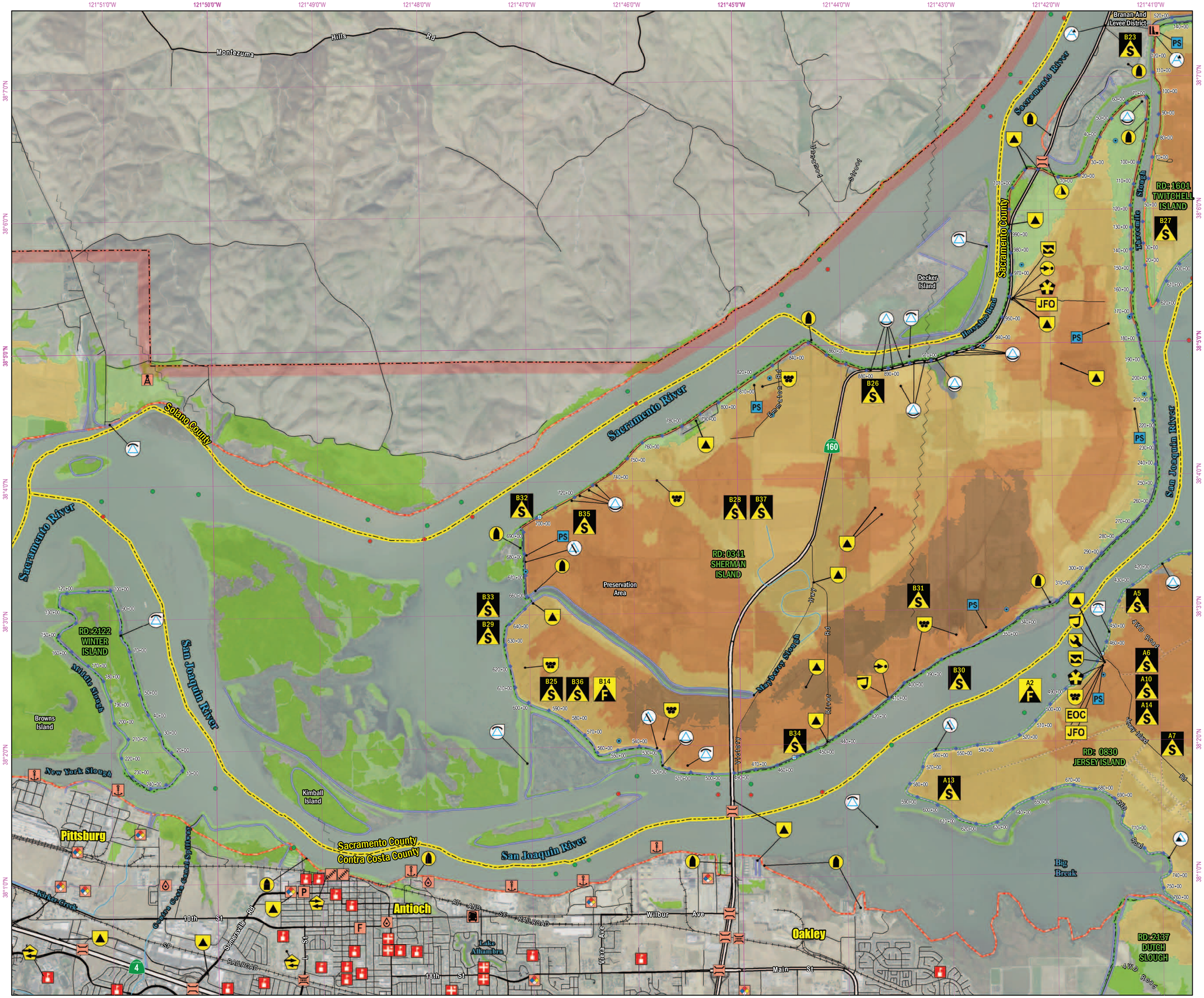
BRANCH												
DIVISION, GROUP, OTHER												
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS												
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need
1												
2												
3												
4												
5												
6												
7												
8												
REPORTING LOCATION												
REQUESTED ARRIVAL TIME												

RESOURCE TOTALS

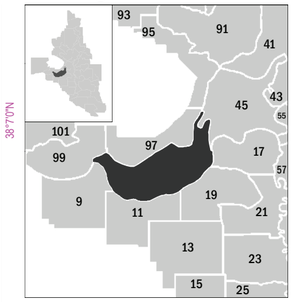
Required	Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

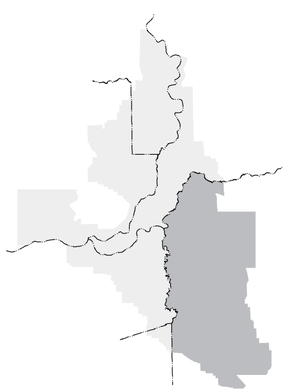
Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

feet 0 3,000

miles 0 0.5 1

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988



San Joaquin County

Symbol	Feature	Label
	County Boundary	Sacramento County
	Legal Delta Boundary	
	Reclamation District Boundary	**2130** HONKER BAY
	Populated Place	**Concord**
	Contra Costa Map Page Focus Area	**13**
	Other Map Page Focus Area	**43**

93
91
95
41
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81
2060 HASTING TRACT
2093 LIBERTY ISLAND
0501 RYER ISLAND
0536 EGBERT TRACT
0003 GRAND ISLAND
0348 NEW HOPE TRACT
0563 TYLER ISLAND
2086 CANAL RANCH
0038 STATEN ISLAND
2033 BRACK TRACT
0548 TERMINOUS TRACT
0317 BRANNAN ISLAND
1601 TWITCHELL ISLAND
0756 BOULDIN ISLAND
1607 VAN SICKLE ISLAND
0341 SHERMAN ISLAND
2026 WEBB TRACT
2023 VENICE ISLAND
2029 EMPIRE TRACT
2044 KING ISLAND
2042 BISHOP TRACT
2027 MANDEVILLE ISLAND
2037 RINDGE TRACT
2115 SHIMA TRACT
1619 BETHEL ISLAND
2030 MCDONALD ISLAND
2025 HOLLAND TRACT
0799 HOTCHKISS TRACT
2028 BACON ISLAND
2021
0684 LOWER ROBERTS ISLAND
1614 SMITH TRACT
2065 VEALE TRACT
2036 PALM TRACT
2038 LOWER JONES TRACT
0404 BOGGS TRACT
2024 ORWOOD TRACT
2039 UPPER JONES TRACT
Drexler DREXLER TRACT
0524 MIDDLE ROBERT ISLAND
0800 BYRON TRACT
2040 VICTORIA ISLAND
0001 UNION ISLAND
0002 UNION ISLAND
0544 UPPER ROBERTS ISLAND
0773 FABIAN TRACT
2062 STEWART TRACT
0017 MOSSDALE
1007 PICO-NAGLEE
2058 PESCADERO DISTRICT
2094 WALTHALL
2095 PARADISE JUNCTION
2075 MCMULLIN RANCH
2064 RIVER JUNCTION
2031 ELLIOTT
FAIRFIELD
RIO VISTA
ISLETON
WALNUT GROVE
THORNTON
GALT
COLLIERVILLE
DOGTOWN
WOODBRIDGE
ACAMPO
LOCKEFORD
LODI
VICTOR
MORADA
WATERLOO
LINDEN
STOCKTON
AUGUST
COUNTRY CLUB
GARDEN ACRES
PETERS
FARMINGTON
KENNEDY
TAFT MOSSWOOD
FRENCH CAMP
MANTECA
ESCALON
LATHROP
TRACY
MOUNTAIN HOUSE
RIPON
SALIDA
DEL RIO
RIVERBANK
OAKDALE
MODESTO
EMPIRE
WEST MODESTO
RIVERDALE PARK
CERES
HUGHSON
VALLEY HOME
WALLACE
VALLEY SPRINGS
RANCHO CALAVERAS
CAMANCHE VILLAGE
CAMANCHE NORTH SHORE
ANTIOCH
PITTSBURG
OAKLEY
BRENTWOOD
KNIGHTSEN
DISCOVERY BAY
CLAYTON
BYRON
ALAMO
BLACKHAWK
CAMINO TASSAJARA
SAN RAMON
DUBLIN
LIVERMORE
PLEASANTON
Solano County
Sacramento County
Sacramento County
Amador County
San Joaquin County
Calaveras County
Contra Costa County
Alameda County
San Joaquin County
Alameda County
Stanislaus County
San Joaquin County
Sacramento River
San Joaquin River
Mokelumne River
North Mokelumne River
Middle River
Old River
Grant Line Canal
Fabian Bell Canal
Clifton Court Forebay
Contra Costa Canal
Delta-Mendota Canal
California Aqueduct
Hetch-Hetchy Aqueduct
Modesto Main Canal
Ceres Main Canal
Lower White Lake
Kennedy Lake
Tracy Lake
Lodi Lake
Mallard Lake
Camanche Reservoir
Pardee Reservoir
Farmington Flood Control Basin
Woodward Reservoir
Los Vaqueros Reservoir
Contra Loma Reservoir
Marsh Creek Reservoir
Lake Del Valle
Bethany Reservoir
Elk Horn Slough
Suisun Bay
Kirker Creek
Deer Creek
Marsh Creek
Kellogg Creek
Sand Creek
Dry Creek
Goose Creek
Coyote Creek
Gill Creek
Bear Creek
Mormon Slough
North Paddy Creek
South Paddy Creek
Calaveras River
Duck Creek
Little Johns Creek
Dutch Slough
Pixley Slough
Paradise Cut
Stockton Deep Water Channel
Stanislaus River
Tuolumne River
Lone Tree Creek
Indian Creek
Woodward Creek
Pardee Tunnel
Upland Canal
Pescadero Cut
Pentagon Mile Cut
Old River
Middle River
Kasson Lake
Los Banos Creek
Hetch-Hetchy Aqueduct
Delta-Mendota Canal
Contra Costa Canal
Sand Creek
Deer Creek
Marsh Creek
Kellogg Creek
Dry Creek
Kirker Creek

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

C1 - Floodwaters
Following 1986 flood, the railroad raised track embankment by 2 FT and strengthened embankments with additional rock. In the event of a levee failure east of the railroad track, ponding floodwaters may break through embankment. There have been previous embankment failures along the railroad track in this area. The strengthened embankment will hold longer, allowing floodwaters to pond at greater depths, which may cause greater destruction if embankment fails. Possibility exists of significant flow through Thornton if embankment fails at that location or south of town.

C2 - River Flows
A maximum permissible flow on Mokelumne River below Camanche Dam is 5,000 CFS. Most reasonable spill scenarios would peak at around 10,000 cubic feet per second. District officials feel that flows much above 5,000 CFS combined with probable significant flows on Cosumnes River would overtop southeast sections of primary district levees.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29)

C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.

C8 - 1986 Levee Breech
Levee failed around 6:55 a.m., on February 22, 1986, less than an hour after passage of levee patrol. This area was, and historically has been, an area of heavy seepage. The levee was supersaturated from a long period of high water levels and subsequently lost its ability to hold even though water levels had receded around one and one-half feet from highs prior to break.

C9 - 1986 Levee Repair
The levee breach between STA. 750+00 and 770+00 stabilized and water moving through receded rapidly. The dredger used to repair the break had to trench a channel to gain access and move into position.

See complete Special Flood Considerations list in index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
New Hope Elementary; 26675 North Sacramento Blvd., Thornton, 38°13'44.908", 121°25'26.934"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C2 - RD 348, Upstream Break on Mokelumne River
The general floodfight strategy will be to hold Hartog Dryland Levee to prevent flooding of district and facilitate movement of floodwaters through railroad trestle into Beaver Slough.
Actions
1. Raise Hartog Dryland Levee, sandbag Kyle Road underpass at west end of levee, and place wave and seepage protection plastic on front face of levee. 2. Clear brush and debris from Union Pacific railroad trestle at west end of Hartog Dryland Levee to facilitate flow of floodwaters through trestle and into Beaver Slough.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.
Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district. 4. Place visquine on inside of primary levees where erosion from impounded waters is possible

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.
Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°13'22.935", 121°25'16.662"

Rally Points
Rally Point; 38°13'32.081", 121°28'07.857"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

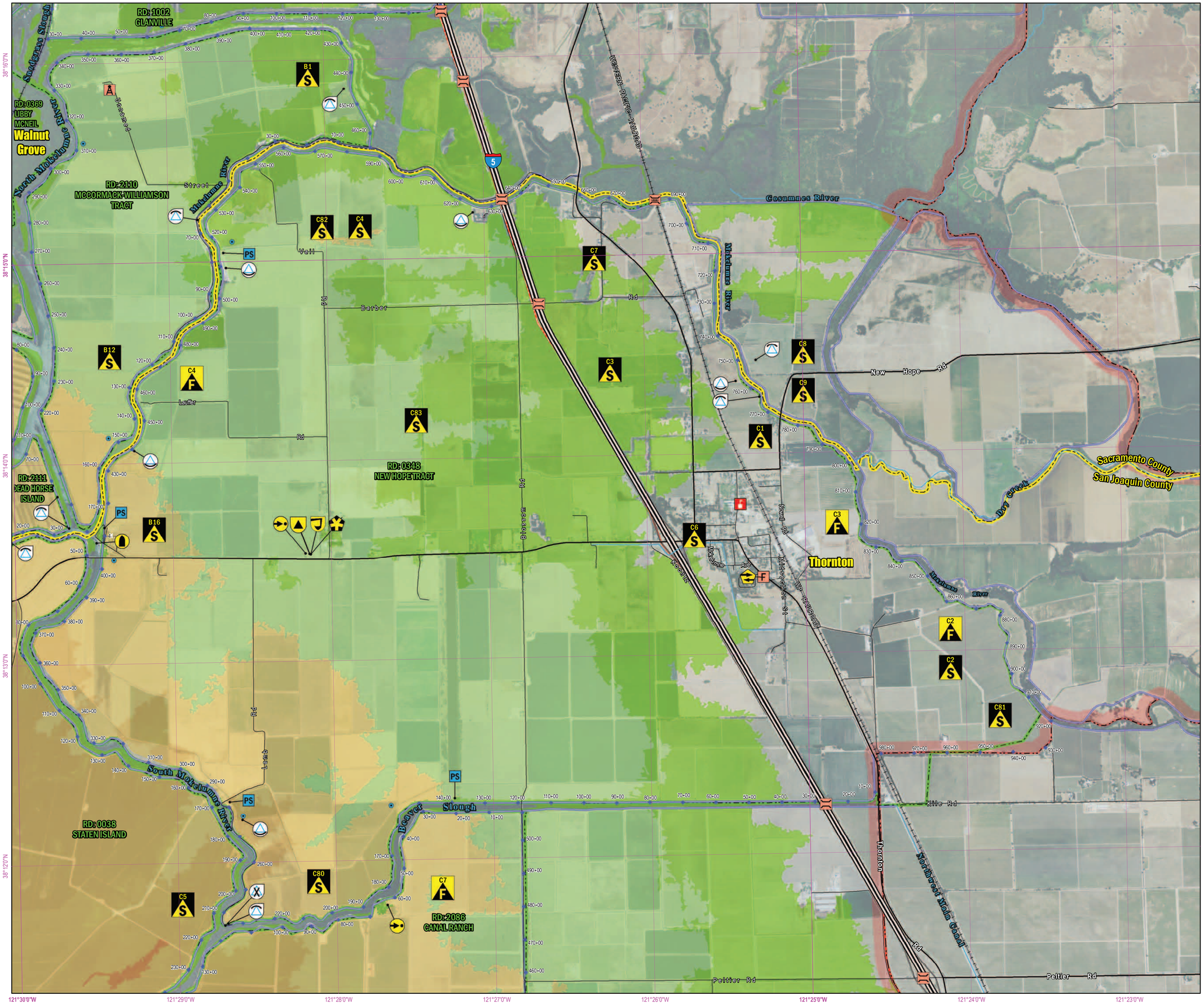
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS

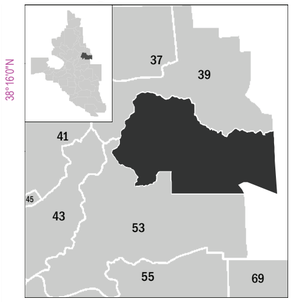
Required	Have	Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option (C114 F)
- Special Flood Consideration (C114 S)
- Emergency Operations Center (EOC)
- Joint Field Office (JFO)
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10
				Sea Level	

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

C2 - River Flows
A maximum permissible flow on Mokelumne River below Camanche Dam is 5,000 CFS. Most reasonable spill scenarios would peak at around 10,000 cubic feet per second. District officials feel that flows much above 5,000 CFS combined with probable significant flows on Cosumnes River would overtop southeast sections of primary district levees.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29).

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C11 - Levee Patrol Procedures and Considerations - Canal Ranch
District President will initiate and coordinate patrols upon prediction that water elevations will reach Monitor Stage at Benson Ferry Gauge. District will conduct three patrols per day at Monitor Stage and continuous 24-hour a day patrols at Flood Stage. Patrol personnel meet at Canal Ranch Headquarters on north side of district to receive briefings, meet relief crews, and exchange communications equipment. Patrols provided with sandbags, shovels, and other supplies to respond to problems. Single 2 person patrol to cover the seven miles of primary levee starting from Canal Ranch Headquarters and exiting at east end of Hog Slough

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C15 - Caltrans Drain Pipe at Highway 12 Bridge
Department of Transportation (Caltrans) has electrical system and conduits located near eastern end of bridge over Little Potato Slough to serve bridge systems. Drainpipe installed to prevent flooding of electrical conduits during high tide stages.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C81 - Levee Improvements
In 1997 the levee along the western bank of the Mokelumne River was improved with internal drainage features stabilizing levee embankments.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Jim Elliot Christian High; 2695 W Vine Street, Lodi, 38°08'30.012", 121°25'17.981"
New Hope Elementary; 26675 North Sacramento Blvd., Thornton, 38°13'44.908", 121°25'26.934"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.
Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).
Actions
1. Raise and reinforce the Andrus cross levee.

C2 - RD 348, Upstream Break on Mokelumne River
The general floodfight strategy will be to hold Hartog Dryland Levee to prevent flooding of district and facilitate movement of floodwaters through railroad trestle into Beaver Slough.
Actions
1. Raise Hartog Dryland Levee, sandbag Kyle Road underpass at west end of levee, and place wave and seepage protection plastic on front face of levee. 2. Clear brush and debris from Union Pacific railroad trestle at west end of Hartog Dryland Levee to facilitate flow of floodwaters through trestle and into Beaver Slough.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.
Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible.

C6 - RD 2086 - Canal Ranch, Failure of Primary Levee
The general floodfight strategy will be to close breach and install emergency pumping capacity at site of current district pumping station on south side of district to dewater district.
Actions
1. Armor edges of breach to limit length of levee washed out 2. Install emergency pumping capacity pending closure of breach at site shown for district pumping station 3. Protect interior slopes of primary levee from damage from impounded water.

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.
Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°13'22.935", 121°25'16.662"

Rally Points
Rally Point; 38°13'32.081", 121°28'07.857"
Rally Point; 38°13'47.929", 121°30'42.077"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

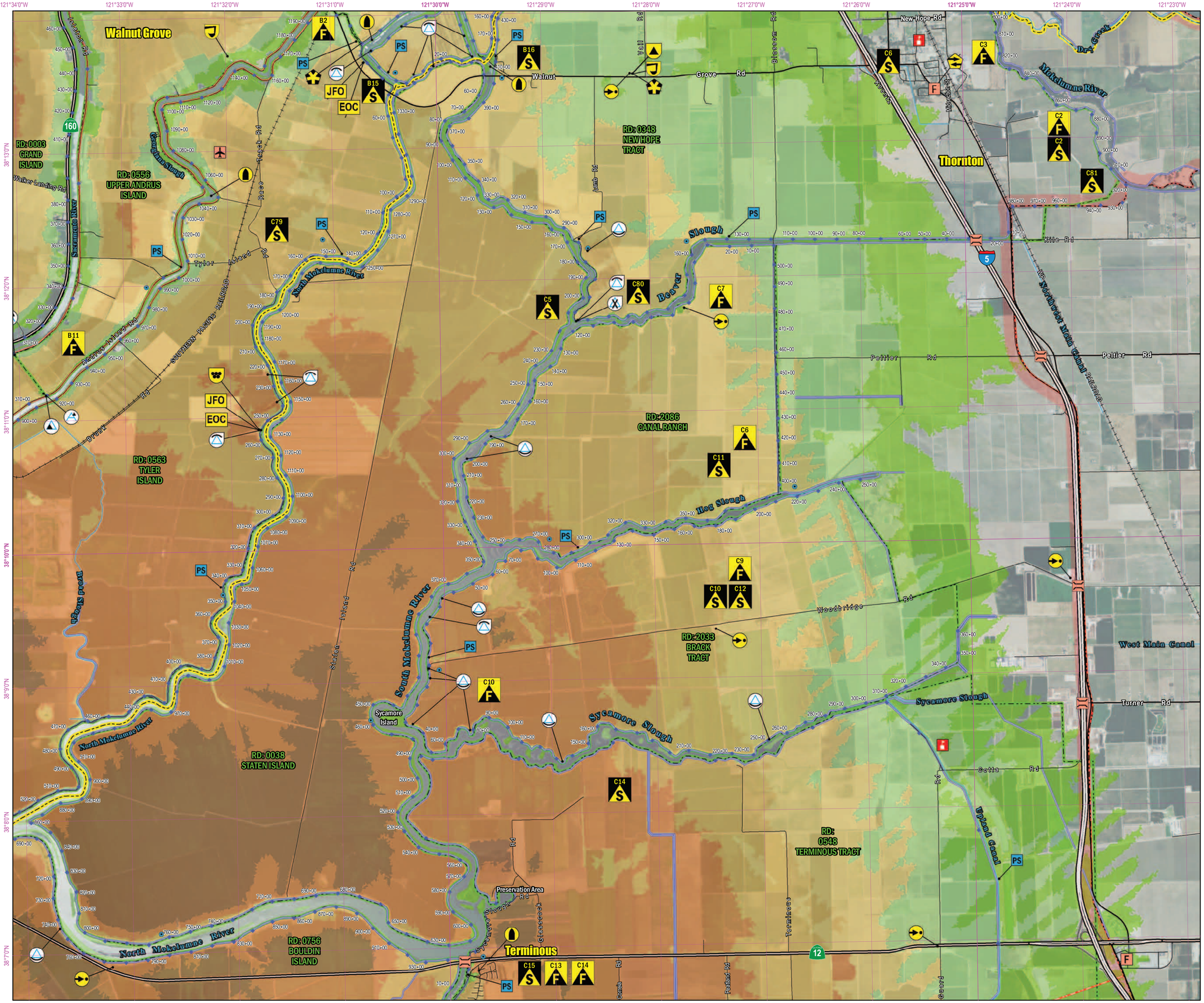
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

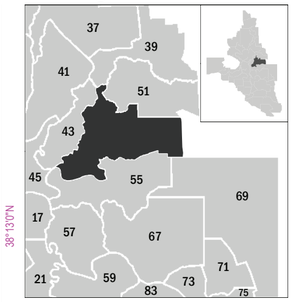
RESOURCE TOTALS Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
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- Boat Launch
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- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C13 - Upland Dry Levee
The dryland levee (Guard Road) which runs along the west side of the Upland Canal south of Highway 12 has an extended low spot in its crest elevation along the section that separates Shin Kee Tract from Terminous Tract. The low point is about 318 feet north of the intersection of White Slough levee and Guard Road. One of the major past concerns of RD 548 has been that the Shin Kee tract levee will fail and then overtop and break the levee under Guard Road and flood Terminous Tract from the east. The District Engineer feels that this is a valid concern, not only from the possibility of overtopping, but also from rodent burrows penetrating the levee from one side to the other. At some time in the future, the Upland Dryland Levee will have to be raised and widened through the low section described above. Dryland levee was raised in 1953 from White Slough to point where Guard Road leaves levee top. The area has settled again since then.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C15 - Caltrans Drain Pipe at Highway 12 Bridge
Department of Transportation (Caltrans) has electrical system and conduits located near eastern end of bridge over Little Potato Slough to serve bridge systems. Drainpipe installed to prevent flooding of electrical conduits during high tide stages.

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.

C17 - Levee Patrol Procedures And Considerations
The District Superintendent is responsible for initiating and organizing patrols. Patrol responsibilities are divided into four segments, 1. Intersection of upland Canal and Sycamore Slough to mouth of Sycamore Slough, 2. Mouth of Sycamore Slough to Highway I2 Bridge, 3. Highway 12 Bridge to Correia Road, 4.Correio Road to intersection of Guard Road and White Slough. Patrol members meet at Pumping Station #1 for assignments and briefings/debriefings.

C18 - Levee Patrol Procedures and Considerations
District Superintendant organizes patrols. Patrols meet and organize at District Shop. 2, patrols run North and South from shop and meet at PS #1. The District will run patrols at 30 minutes intervals.

C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.

C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.

C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C42 - RD 2044 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol members meet at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C84 - Ferry Access
This ferry is the only access point to RD 2023 (Venice Island). The ferry is shut down in high wind.

C85 - Evacuation Concern
Tower Park Marina has multiple residents with evacuation needs before and during a flood event. There are over 400 RV Sites and a large seasonal retirement population. Contact Tower Park Marina, General Manager for Emergencies (209) *365-4669*.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Venice King School; 38°03'30.525", 121°27'20.918"
Jim Elliot Christian High; 2695 W Vine Street, Lodi, 38°08'30.012", 121°25'17.981"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C9 - RD 2033 - Brack Tract, Failure of Primary Levee
The primary floodfight strategy will be to prevent movement of floodwaters east of Interstate 5 or south into Terminous Tract from end of Sycamore Slough.
Actions
1. Repair levee breech 2. Evaluate potential extend of movement of floodwaters to East and potential depths and prepare plans for emergency berms at Interstate 5 underpass or extending East from Sycamore Slough if warranted 3. Place visquine on inside of primary levees where exposed to wave action to reduce damage to interior of levees 4. Place additional pumps at district pumping station for dewatering operations

C10 - RD 2033 - Brack Tract, Failure of private levees on south bank of Mokelumne River east of district
The primary floodfight strategy will be to prevent movement of floodwaters into district from the East
Actions
1. Extend Brack Tract Dryland Levee and hold floodwaters at this point and install pumps to move floodwaters into Hog Slough.

C12 - RD 548 - Terminous Tract, Failure of Shin Kee Tract Levees
The general floodfight strategy will be to raise and hold Upland Dryland Levee on east side of district facing Shin Kee tract to prevent flooding of district.
Actions
1. Raise Upland Dryland Levee from White Slough to South end of Upland Canal 2. Establish patrol and response plan for dryland levee.

C13 - RD 548 - Terminous Tract, Failure of Primary Levees
The general floodfight strategy will be to prevent movement of floodwaters east of Upland Dryland Levee, repair break, preserves primary levees, and position additional pumping capacity to dewater district.
Actions
1. Repair break and lay visquine to protect interior slopes of primary levees. 2. Perform analysis of probable eastern extension of floodwaters toward Interstate 5 and, if warranted, prepare to flood fight upland Dryland Levee to prevent further eastward movement of floodwaters toward Interstate 5. 3. Move generator to Pumping Station #1 for use with existing pumps and install additional pumping capacity to dewater district. Movement of personnel and equipment to dewatering site will have to be by water or air. If failure is on North levee from East end of Sycamore Slough to Pumping Station #1 on the Mokelumne River.

C14 - RD 548 - Terminous Tract, Flood Flows Arriving From East From Mokelumne River Flood
The general floodfight strategy will be to flood fight the Upland Dryland Levee to prevent movement of water into district and to attempt to maintain egress and safety of Highway 12.
Actions
1. Patrol Upland Dryland Levee and monitor for potential for overtopping or failure due to erosion or seepage. 2. Position resources to respond to potential problems at pre-planned delivery point. 3. Open gates at end of Upland Canal and Highland Canal.

C16 - RD 756 - Bouldin Island, Failure of Primary Levees
The general floodfight strategy will be to seal the breach when able and install emergency pumps at the location for the emergency pumping station to dewater the district
Actions
1. As soon as able, armor ends of break to stabilize growth of breach 2. Seal break once waters have stabilized 3. Place emergency pumps at emergency pumping station and begin dewatering upon repair of breach

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

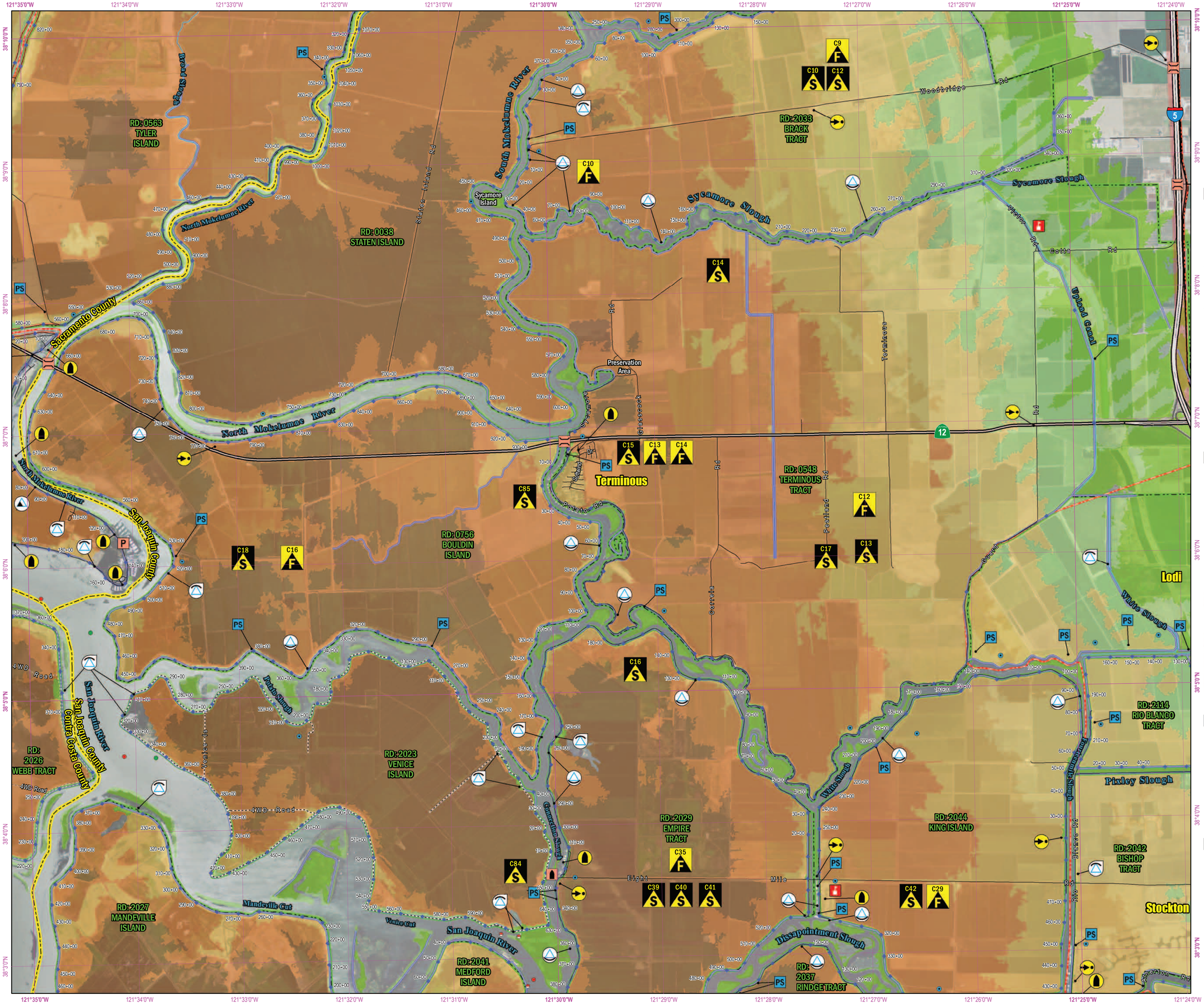
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

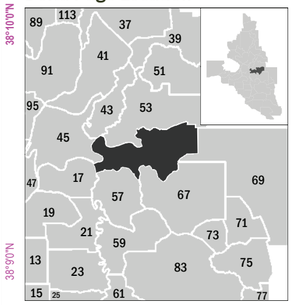
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



! FOR COMPLETE LEGEND, SEE INSIDE COVER !

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F Flood Contingency Option
- C114 S Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C Emergency Workers Camp
- Proposed Levee Relief Cut
- H Helipad
- Proposed Temporary Barriers Waterway
- B Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

! FOR COMPLETE LEGEND, SEE INSIDE COVER !

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.

C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.

C22 - Trees at structures
During a flood event the trees around the Duck Club (STA 350+00) might restrict large equipment access along the crown of the levee.

C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.

C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.

C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.

C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C46 - Ridge Tract Power
Two separate PG&E lines run into Ridge Tract from the north and the south. Switch mounted on telephone poll on northern end of island allows power to island to be switch from one source to the other.

C48 - Ship Traffic and Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levee. This ongoing erosion presents a constant threat to levee stability along channel.

C49 - Tidal Erosion
Erosion exists at Station 125+00 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.

C50 - Pumping Stations
Pumps and Motors are above 100 Year Flood Elevation

C84 - Ferry Access
This ferry is the only access point to RD 2023 (Venice Island). The ferry is shut down in high wind.

C86 - Levee Conditions
Prior to 1982 flood, all levees were HMP level. After 1982 flood trusties reconstructed levee to federal standards or better totaling more than $14 million in upgrades.

C87 - PG&E Presence
The main stakeholder in McDonald Island levee maintenance program is PG&E, and the levees are overbuilt for protection the major gas infrastructure. In addition to levee maintenance, PG&E contributes funding to, pump stations, roads and other flood control infrastructure in and around the island. McDonald Island is the PG&E largest gas storage facility in the California, and includes numerous injection wells and exactors designed to operate in flood conditions. Warning, many of the pipes may have minimal (less than 36 INCH) ground cover.

C88 - Blue Sand
This area is considered the "Deep Delta." Blue sand subsurface movement exists, tapping or surface disturbance can cause volcanic-like flows of sand resulting in inundation of infrastructure on the island.

C89 - Flood Fight Resources
Full-time managers, equipment (including tractors), and day laborers exist on the Island. To coordinate resource and labor support coordinate with the District Superintendent.

C90 - Evacuation
There are only a few locations on McDonald Island that provide safety from a flood. The best location for temporary safety is atop intact levee crowns surrounding the island.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.

Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

C35 - RD 2029, Failure of RD 2029 Primary Levee
This scenario will lead to flooding of Empire Tract up to Honker Cut. The general floodfight strategy will be to protect interior slopes of primary levees while repairing break and installing emergency pumping station to dewater district.

Actions
1. Repair Levee Breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees 4. Monitor increased seepage behind levees of adjacent districts.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°01'15.338", 121°36'33.420"
Transfer Pick Up Point; 38°01'22.630", 121°36'38.336"
Transfer Pick Up Point; 38°01'36.075", 121°36'46.192"

Rally Points
Lundborg Landing; 6777 Riverview Rd., Bethel Island, 38°01'20.035", 121°36'38.062"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
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FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
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NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

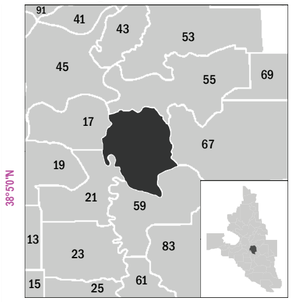
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
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EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet
0 — 2,500

miles
0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A18 - Orwood Palm RD 2024
This district is a combination of RD 2024 Orwood Tract, and RD 2036 Palm Tract.

A19 - Mokelumne Aqueduct No. 3
EBMUD owns this primary water transport facility which supplies water to most of the East Bay area; The pipeline traverses Orwood Palm following the BNSF Railway Line and is 2.2 meters in diameter. EBMUD has very limited local water storage or supplemental local supply sources. If the aqueduct failed, the supply of water to the East Bay would be majorly affected.

A20 - Kinder-Morgan Fuel Line Warning
A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.

A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm. If a flooding is imminent or occurs, call the BNSF Stockton office at (209) *942 5438*.

C19 - Access to Island
Ground access to island is normally provided by Bacon Island Road which runs from Highway 4 though Lower Jones Tract then up on top of the Jones Tract levee to the Bacon Island Bridge. In the event that Jones Tract is flooded, access to Bacon Island at the bridge would have to be by the Jones Tract levee top either from Whiskey Slough or Union Point depending on the location of the Jones Tract break. In 2004, flooding of Jones Tract led to degradation of the interior of its levees endangering the use of the levee crown for access to Bacon Island. In the event of flooding of Jones Tract, District officials will coordinate with Central Delta Flood Fight Unified Command and San Joaquin OES to establish an access plan using Jones Tract levee crowns. The access plan will include criteria for use and any frequency/timing limitations. District officials will also develop a plan with Central Delta Flood Fight Unified Command for water access to island in the event that all land access is lost. This plan will include identification and immediate action to make at least one waterborne loading/unloading point functional on the island levees, identification of whether movement needs to include only provision of supplies/personnel to island or also movement of crops from island. These plans will be signed off by Sheriff\| Department and agencies from Unified Command that agree to provide support for implementation.

C20 - Camp Number Reference
In 1920's and 1930's the island was sold to individual farm families by California Delta Farm Company. These families farmed a section of the island subsequently called a "camp". These separately owned or farmed sections became numbered at some point. While ownership of the island subsequently reverted to a much smaller number of individuals, the tradition of referring to parts of the island by their old camp number has been retained. Location of Camps are located on the San Joaquin County OES Flood Contingency Planning Maps.

C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.

C22 - Trees at structures
During a flood event the trees around the Duck Club (STA 350+00) might restrict large equipment access along the crown of the levee.

C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.

C24 - Mildred Seepage (STA 500+00 to 610+00)
Mildred Island flooded in 1983 and McDonald Island has experienced seepage along Latham Slough area since then. The seepage has affected the farming operation on McDonald Island.

C25 - PG&E Pipeline (STA 558+00)
PG&E pipeline crossing, lack of all weather facilities over location of pipeline at the top of levee.

C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.

C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.

See complete Special Flood Considerations list in Index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
Seasonal Agriculture Work Site;
37°56'19.325", 121°35'45.52"
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Rindge School; 37°56'35.777", 121°31'52.417"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.
Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.

C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

C37 - RD 2037, 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
1. Assist with evacuation of island 2. Stabilize and repair breach 3. Install emergency pumping capacity at emergency pumping station location. 4. Lay visquine on interior slope of primary levee system to protect from wave wash from impounded water.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

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CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

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NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

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PRECIPITATION rainfall ____ in. chance ____ % — TEMP hi ____ lo ____ — WIND ____ mph

NOTES: _____

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24 HOUR

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All Hazards NOAA Weather Radio

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OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
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2				
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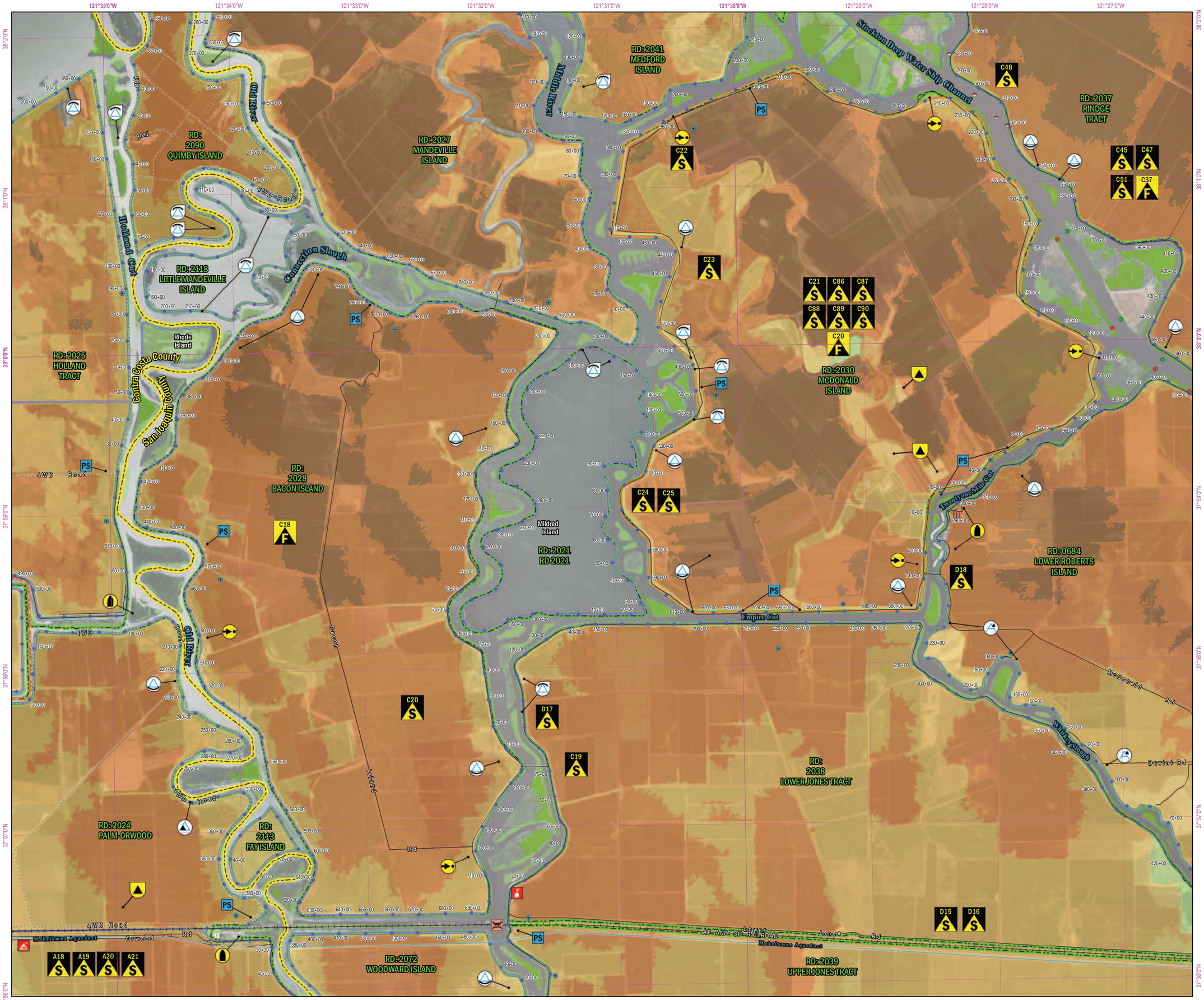

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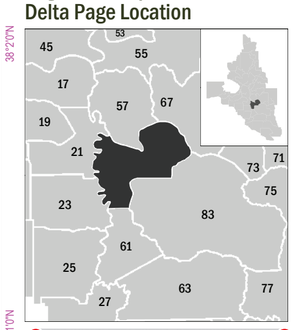

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1"=2,500 feet

N

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miles 0 0.5 1

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Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

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A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.

A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm; If a flooding is imminent or occurs, call the BNSF Stockton office at (209) *942 5438*.

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.

A25 - Utility Infrastructure Warning
WAPA electrical transmission lines cross the south west horn of RD 2072, Woodward Island and north through the middle of RD 2024 Palm-Orwood.

C26 - Vehicle Egress
Woodward Island has good levee accessibility on all-weather roads located a top levee crowns. Victoria Island sparsely populated. Recommend helicopter evacuation of work crews and population if flood event is accompanied with sustained rainfall.

C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at *209-466-9625*.

C28 - Victoria Island Access
In the event of flooding, access to Victoria Island levees from East will involve delay of minimum of 6 hours for removal of guardrail on Highway 4 ramp from bridge over Middle River and construction of a ramp to levee. Access from West side from Highway 4 bridge over Old River would be less delay for removal of guardrail and construction of ramp. Currently no turn-arounds are located on Victoria Island perimeter levees.

C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.

C30 - Contra Costa Water District
The CCWD Primary levee is set back to provide proper protection for pumping facility operations. Flooding of island could cause limited to major damage to infrastructure. Pumping would stop until dewatering of district pump facilities. Alternate pumping station on Byron Tract could take over pumping operations if operations were halted for extended periods of time.

C35 - Union Island Pumping Stations
All existing pumping stations shown are privately owned and not flood proofed. Districts do not own any pumping stations. Location for placement of emergency pumping capacity may require diesel pumps due to lack of power lines into area.

C37 - Regional High Voltage Power Lines
Western Area Power Administration (WAPA) high voltage power lines feed Tracey Pumping Plant for the Delta Mendota Canal. Loss of these lines in a flood of Union Island could threaten Tracy Pumping Plant power. In addition, regional PG&E high voltage power lines run through the district. Loss of this transmission route in a flood of Union Island would have regional impact on electrical power supply and fresh water deliveries.

C91 - Utility Infrastructure Warning
There is a Kinder Morgan fuel transmission line adjacent to the EBMUD aqueduct/pipelines across the north end of RD 2072, Woodward Island.

C92 - Ferry Access
Ferry is the only vehicular access to island.

C93 - Water Supply
The CCWD Los Vaqueros Intake Pipeline conveys public water supply from the Old River Pump to Los Vaqueros Reservoirs and other storage areas for approx. 265,000 people.

D15 - Rail Activity
Open trestle tracks have been declared invincible in the past. Currently, the whole railroad embankment is seeping. It has been advised not to run trains on the track by local RD personnel. In 1980, the vibration from train operations caused the embankment to fail, resulting in a locomotive derailing off the railroad embankment. This could happen again, passenger trains could be compromised in the future if bank stabilization is not completed.

See complete Special Flood Considerations list in Index.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 37°56'19.325", 121°35'45.52"

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Contra Costa County Court; 4491 Bixler Rd,Byron, 37°52'41.632", 121°37'23.271"
Discovery Bay Elementary School; 1700 Willow Lake Rd., County, 37°54'07.036", 121°35'58.456"
Timber Point Elementary; 40 Newberry Ln., Byron, 37°54'28.020", 121°37'09.263"
Rindge School; 37°56'35.777", 121°31'52.417"

CRITICAL INFRASTRUCTURE

Public Water Facilities
CCCWD Drinking Water Intake & Pump Plant; 37°53'14.673", 121°34'36.388"

Waste Water Facilities
Discovery Bay Water Treatment Plant; Stockton, 37°53'15.922", 121°35'00.750"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.

Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.

C23 - RD 2040 & 2072, Failure of Primary Levees on RD 2072 (Woodward Island)
This scenario regardless of break location will lead to flooding of district and elevated portions of EBMUD aqueduct and hurried high-pressure fuel pipelines running through island between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.

Actions
1. Notify EBMUD and Kinder Morgan authorities of threat of failure to their pipelines running through district. 2. Evacuate work crews and other persons on island. 3. Remove Pump Motors. 4. Place visquine on levee interiors to protect from wave wash. Prioritize work based on current wind direction and velocity forecasts. 5. Place emergency pumps at emergency pump location indicated on map. Armor ends of break to stabilize levee and seal when flow equalizes. Pump impounded floodwaters out once break is sealed.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil***.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°53'28.433", 121°29'24.239"
Transfer Pick Up Point; 37°56'19.476", 121°36'47.620"

Rally Points
Rally Point; 37°56'21.481", 121°36'44.818"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH													RESOURCE TOTALS
DIVISION, GROUP, OTHER													Required / Have / Need
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data
NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

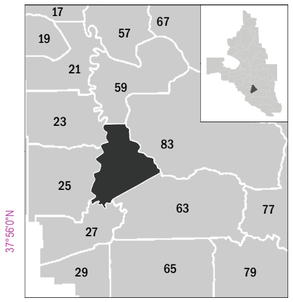
12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

NOAA Weather Radio
All Hazards NOAA Weather Radio
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425 162.450 162.475 162.500 162.525 162.550

NOAA Mobile Weather
Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW ←

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet 0 — 2,500
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.

C28 - Victoria Island Access
In the event of flooding, access to Victoria Island levees from East will involve delay of minimum of 6 hours for removal of guardrail on Highway 4 ramp from bridge over Middle River and construction of a ramp to levee. Access from West side from Highway 4 bridge over Old River would be less delay for removal of guardrail and construction of ramp. Currently no turn-arounds are located on Victoria Island perimeter levees.

C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.

C31 - Stark Dryland Cross Levee
The cross levee follows old slough from eastern end of Grant Line Canal to Old River. Extended ponds still parallel levee, however, this is the only substantial dryland structure for holding floodwaters following the failure of primary levees on Stark Tract.

C32 - Wing Levee Dryland Cross Levee
Narrow, sandy, considerable rodent burrows and other rodent activity on and in levee. However, the levee has been surveyed for elevation, and potentially, and at least temporarily, will hold floodwaters from areas to the southeast of Undine Road. District considering low cost maintenance actions to improve potential performance of this levee.

C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.

C34 - Tracy Boulevard Dryland Cross Levee
Stretch south of Howard Road is substantial and well compacted due to vehicles running on levee crown. The stretch north of Howard Road is higher however, has more rodent burrows and less compaction. A gap resides in levee at Howard Road and Tracy Boulevard junction. Gap should be rapidly filled if floodwaters are imminent. Approximately 500cubic yards of material will be needed to fill the "Howard Road Gap" in the Tracy Boulevard dryland cross levee (based upon a field survey in December 2007). Please note: Portions of the Tracy Boulevard dryland levee are lower than the approximate 100-year floodplain water surface elevation at the Burns Relief Cut. The Tracy Boulevard dryland levee will have to be raised up to 2.5FT in some areas to at least the approximate 100-year floodplain water surface elevation of 8.8FT.

C35 - Union Island Pumping Stations
All existing pumping stations shown are privately owned and not flood proofed. Districts do not own any pumping stations. Location for placement of emergency pumping capacity may require diesel pumps due to lack of power lines into area.

C36 - Access to Coney Island
Only ground access to Coney Island is through RD #2. In the event of flooding of RD 0002, an emergency access plan would be needed to provide Coney Island with flood fight supplies and other emergency needs.

C37 - Regional High Voltage Power Lines
Western Area Power Administration (WAPA) high voltage power lines feed Tracey Pumping Plant for the Delta Mendota Canal. Loss of these lines in a flood of Union Island could threaten Tracy Pumping Plant power. In addition, regional PG&E high voltage power lines run through the district. Loss of this transmission route in a flood of Union Island would have regional impact on electrical power supply and fresh water deliveries.

C38 - Tracy Boulevard and Grant Canal Bridge
During high flows Tracy Boulevard bridge at the southern end of Union Island acts as a debris dam due to placement of a berm separating Grant Line Canal and Fabian and Bell Canal which begins at this point. The bridge and berm break and divert the water flow in this area, allowing the buildup of debris, which can cause floodwaters to back up east of bridge.

C73 - RD 2058 Access
Access problems have been encountered on levee road on Sugar Cut due to inadequate all weather preparation.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Delta Island Elementary; 11022 West Howard Rd., Stockton, 37°51'03.386", 121°26'48.343"
Kingston School; 37°54'16.732", 121°25'29.983"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C25 - RD 1 and 2 (Union Island), Failure of Stark Dryland Cross Levee following flooding of RD 2089 or Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of RD #1 up to southern portion of Wing Levee Road Dryland Cross Levee. That levee is high enough along southern portion to hold floodwaters. General floodfight strategy will be to floodfight Wing Levee Road Dryland Cross Levee and protect interior of primary levees where needed while Stark Tract implements their appropriate actions.
Actions
1. Patrol and floodfight Wing Levee Road Dryland Cross Levee. 2. Protect interior of primary levees where water is impounded. 3. Prepare to floodfight Tracy Dryland Cross Levee by filling Howard Road gap and make decision whether to begin raising levee to 8.8'. 4. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 5. Coordinate with Drexler Tract to place rock on levee opposite to cut location if not already done.

C26 - RD 1 and 2 (Union Island), Failure of RD 1 Primary Levee outside of stretch between Undine Road bridge and Stark Dryland Cross Levee or Failure of Wing Levee Road Dryland Cross Levee
This scenario will lead to flooding of RD 1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to protect RD 2. A minimum of 24-36 hours would be required to bring the Tracy Dryland Levee crown to a minimum elevation of 8.8' (National Vertical Datum of 1929). Prevent floodwaters from backing into Stark Tract (RD 2089) if that district is not flooded by flood fighting the Stark Dryland Cross Levee.
Actions
1. Patrol and floodfight Tracy Dryland Cross Levee. Fill Howard Road gap in levee and begin to raise Tracy Dryland Cross Levee to 8.8'. 2. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 3. Protect interior of primary levees of RD #1. 4. Repair Break and establish dewatering plan. 5. Develop movement plan for accessing RD 0002 and Coney Island from Tracy Boulevard through levee crown on north end of island.

C27 - RD 1 and 2 (Union Island), Failure of Primary Levee in RD 2
This scenario will lead to flooding of RD 0002 with floodwaters attempting to back up into RD #1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to prevent flooding of RD #1, and install emergency pumping station to dewater flooded areas.
Actions
1. Protect interior of primary levees. 2. Install emergency pumping station. 3. Patrol and floodfight Tracy Dryland Cross Levee to prevent movement of floodwaters into RD #1. Fill Howard Road gap. Include ramp to allow continued access into RD 0001. 4. Develop plan for access to Coney Island to move floodfight and other emergency supplies to that district.

C98 - RD 2089 , Failure of Primary Levee on RD 2089 (Stark Tract)
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee with the need to floodfight Stark Dryland Cross Levee prevent flood waters moving north into RD s #1 and 0002 (Union Island).
Actions
1. Patrol and Floodfight Stark Dryland Cross Levee. 2. Prepare to floodfight southern portion of Wing Levee Dryland Cross Levee in the event of failure of Stark Dryland Cross Levee. 3. Identify equipment to make Burns Relief Cut (not shown in this mapbook) if that contingency becomes necessary.

D1 - RD 2089, Failure of RD 2089 Primary Levee
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee. The general floodfight strategy will be to reduce levels of impounded floodwaters, repair break, and dewater by natural flow as flood elevations fall.
Actions
1. Make Gekas Relief Cut (not shown in this mapbook). 2. Repair Levee Breach. 3. Plan for and install emergency pumps for removing residual impounded waters. 4. Protect interior of district levees.

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°50'36.964", 121°32'17.164"
Transfer Pick Up Point; 37°53'00.445", 121°27'25.422"
Transfer Pick Up Point; 37°53'28.433", 121°29'24.239"

Rally Points
Rally Point; 37°50'35.824", 121°32'15.928"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

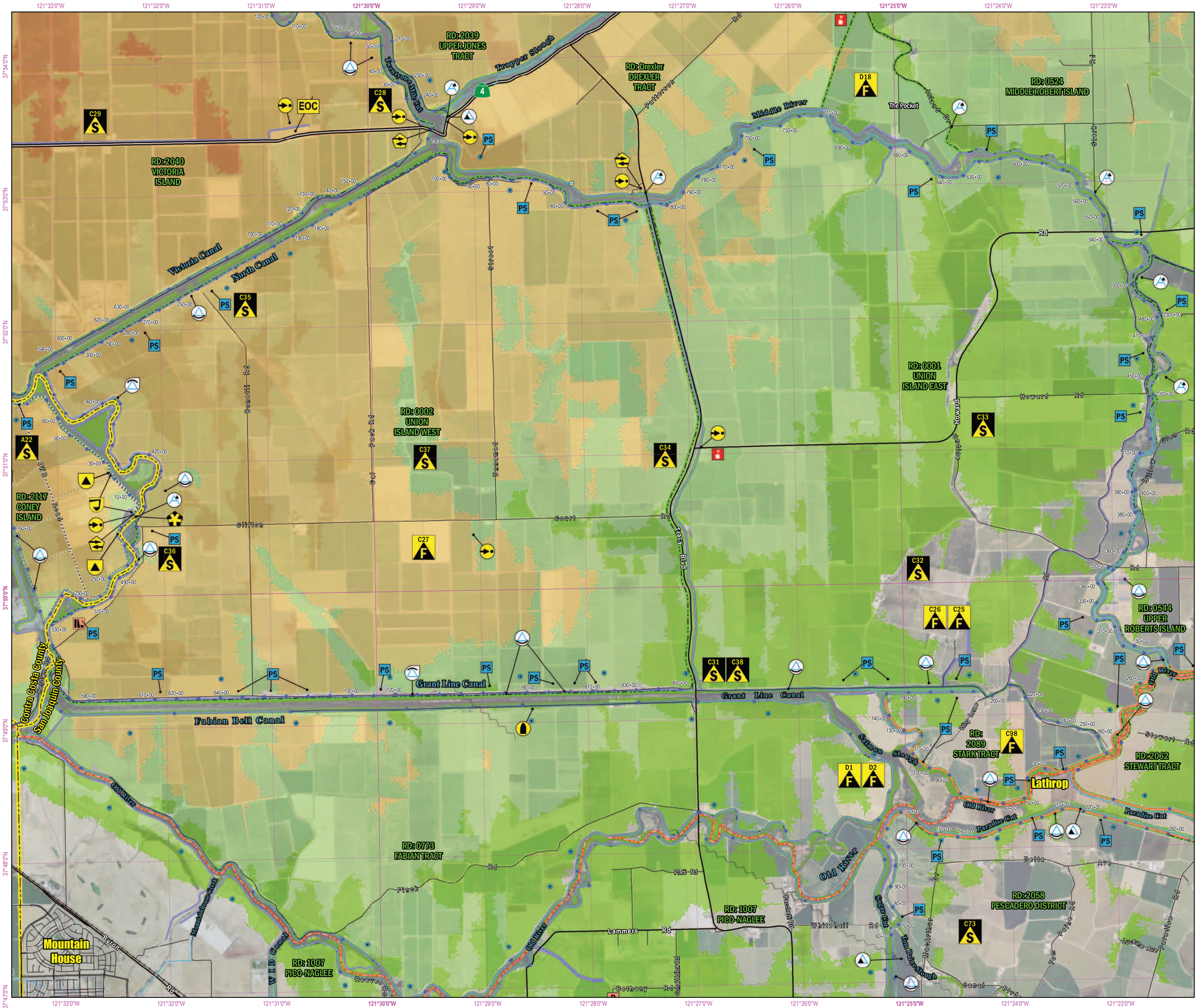
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

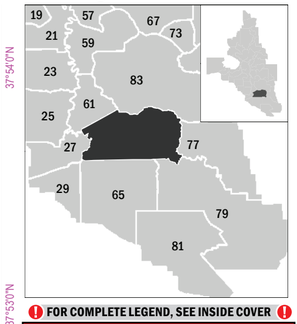
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 — 3,000
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C31 - Stark Dryland Cross Levee
The cross levee follows old slough from eastern end of Grant Line Canal to Old River. Extended ponds still parallel levee, however, this is the only substantial dryland structure for holding floodwaters following the failure of primary levees on Stark Tract.

C38 - Tracy Boulevard and Grant Canal Bridge
During high flows Tracy Boulevard bridge at the southern end of Union Island acts as a debris dam due to placement of a berm separating Grant Line Canal and Fabian and Bell Canal which begins at this point. The bridge and berm break and divert the water flow in this area, allowing the buildup of debris, which can cause floodwaters to back up east of bridge.

C73 - RD 2058 Access
Access problems have been encountered on levee road on Sugar Cut due to inadequate all weather preparation.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Sutter Tracy Community Hospital; 1420 North Tracy Boulevard, Tracy, 37°44'37.848", 121°26'02.118"

Adult Care Facilities
VBR Foster Family Agency Inc; Tracy, 37°44'22.426", 121°25'35.394"
Tracy Convalescent Hospital; Tracy, 37°44'42.490", 121°26'02.146"
Heritage Place; Tracy, 37°45'15.614", 121°25'50.939"
New Hope Care Ctr; Tracy, 37°45'18.223", 121°25'55.664"
Laguna Home; Tracy, 37°45'35.870", 121°25'18.392"

Schools
Wanda Hirsch Elementary; 1280 Dove Dr., Tracy, 37°42'57.996", 121°26'27.194"
Gladys Poet-Christian Elementary; 1701 South Central Ave., Tracy, 37°43'10.562", 121°25'41.656"
George Kelly Elementary; 535 Mabel Josephine Dr., Tracy, 37°43'26.396", 121°27'46.790"
South/West Park Elementary; 500 West Mt. Diablo Rd., Tracy, 37°43'43.974", 121°25'59.976"
Louis A. Bohn Elementary; 350 East Mt. Diablo, Tracy, 37°43'44.441", 121°25'13.751"
Montessori School Of Tracy; 100 S Tracy Blvd, Tracy, 37°43'45.856", 121°26'04.617"
Earle E. Williams Middle; 1600 Tennis Ln., Tracy, 37°43'51.884", 121°26'45.899"
Kindercare Learning Centers; 265 West Grantline Road, Tracy, 37°43'52.722", 121°25'49.072"
Louis J. Villalovoz Elementary; 1550 Cypress Dr., Tracy, 37°44'01.539", 121°26'41.751"
West Valley Christian Academy; 1790 Sequoia Blvd, Tracy, 37°44'19.323", 121°26'54.303"
West Park Elementary; 750 W. Tenth St., Tracy, 37°44'18.856", 121°26'08.902"
Excel High; 315 East 11Th St., Tracy, 37°44'23.346", 121°25'15.536"
Central Elementary; 1370 Parker Ave., Tracy, 37°44'33.111", 121°25'40.475"
St Bernard S School; 165 W Eaton Ave, Tracy, 37°44'36.599", 121°25'40.750"
Discovery Charter; 51 East Beverly Pl., Tracy, 37°44'43.438", 121°25'30.011"
Mckinley Elementary; 800 West Carlton Ave., Tracy, 37°44'47.187", 121°26'10.715"
Art Freiler; 2421 West Lowell Ave., Tracy, 37°44'49.92", 121°27'39.704"
Bella Vista Christian Academy; 1635 Chester Dr, Tracy, 37°44'49.205", 121°26'23.953"
Success High; 1775 West Lowell Ave., Tracy, 37°44'49.92", 121°26'52.793"
Monte Vista Middle; 751 West Lowell Ave., Tracy, 37°44'53.380", 121°26'11.374"
Success High (Cont.); 1975 W. Lowell Ave., Tracy, 37°45'01.002", 121°28'17.799"
Lammersville Elementary; 16555 West Von Sosten Rd., Tracy, 37°45'03.309", 121°30'49.438"
Lammersville Charter; 16555 West Von Sosten Rd., Tracy, 37°45'03.309", 121°30'49.438"
Tracy SDA School; 126 W 21St Street, Tracy, 37°45'05.191", 121°25'37.262"
Duncan-Russell Continuation; 164 West Grantline Rd., Tracy, 37°45'15.257", 121°25'36.410"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
City of Tracy Wastewater Treatment Plant; 3900 Holly Drive, Tracy, 37°45'54.863", 121°25'34.185"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C25 - RD 1 and 2 (Union Island), Failure of Stark Dryland Cross Levee following flooding of RD 2089 or Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of RD #1 up to southern portion of Wing Levee Road Dryland Cross Levee. That levee is high enough along southern portion to hold floodwaters. General floodfight strategy will be to floodfight Wing Levee Road Dryland Cross Levee and protect interior of primary levees where needed while Stark Tract implements their appropriate actions.
Actions
1. Patrol and floodfight Wing Levee Road Dryland Cross Levee. 2. Protect interior of primary levees where water is impounded. 3. Prepare to floodfight Tracy Dryland Cross Levee by filling Howard Road gap and make decision whether to begin raising levee to 8.8'. 4. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 5. Coordinate with Drexler Tract to place rock on levee opposite to cut location if not already done.

C26 - RD 1 and 2 (Union Island), Failure of RD 1 Primary Levee outside of stretch between Undine Road bridge and Stark Dryland Cross Levee or Failure of Wing Levee Road Dryland Cross Levee
This scenario will lead to flooding of RD 1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to protect RD 2. A minimum of 24-36 hours would be required to bring the Tracy Dryland Levee crown to a minimum elevation of 8.8' (National Vertical Datum of 1929). Prevent floodwaters from backing into Stark Tract (RD 2089) if that district is not flooded by flood fighting the Stark Dryland Cross Levee.
Actions
1. Patrol and floodfight Tracy Dryland Cross Levee. Fill Howard Road gap in levee and begin to raise Tracy Dryland Cross Levee to 8.8'. 2. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 3. Protect interior of primary levees of RD #1. 4. Repair Break and establish dewatering plan. 5. Develop movement plan for accessing RD 0002 and Coney Island from Tracy Boulevard through levee crown on north end of island.

C98 - RD 2089 , Failure of Primary Levee on RD 2089 (Stark Tract)
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee with the need to floodfight Stark Dryland Cross Levee prevent flood waters moving north into RD s #1 and 0002 (Union Island).
Actions
1. Patrol and Floodfight Stark Dryland Cross Levee. 2. Prepare to floodfight southern portion of Wing Levee Dryland Cross Levee in the event of failure of Stark Dryland Cross Levee. 3. Identify equipment to make Burns Relief Cut (not shown in this mapbook) if that contingency becomes necessary.

D1 - RD 2089, Failure of RD 2089 Primary Levee
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee. The general floodfight strategy will be to reduce levels of impounded floodwaters, repair break, and dewater by natural flow as flood elevations fall.
Actions
1. Make Gekas Relief Cut (not shown in this mapbook). 2. Repair Levee Breach. 3. Plan for and install emergency pumps for removing residual impounded waters. 4. Protect interior of district levees.

D2 - RD 2089, Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of Union Island RD 1 up to Wing Levee Dryland Levee and up to Stark Dryland Cross Levee. The general floodfight strategy will be to flood fight the Stark Dryland Cross Levee to prevent entry of floodwaters into district and reduce levels of impounded floodwaters.
Actions
1. Flood fight and patrol Stark Dryland Cross Levee. 2. Identify equipment and prepare to make Gikas Relief Cut (not shown in this mapbook). 3. Plan for and identify location for emergency pumps in case of need.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

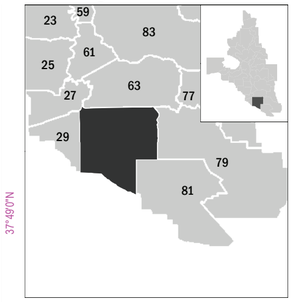
RESOURCE TOTALS

Required	Have	Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



! FOR COMPLETE LEGEND, SEE INSIDE COVER !

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 A: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C: Emergency Workers Camp
- Proposed Levee Relief Cut
- H: Helipad
- Proposed Temporary Barriers Waterway
- B: Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS: Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

! FOR COMPLETE LEGEND, SEE INSIDE COVER !

MAP SCALE
1:36,000
1"=3,000 feet

N

feet: 0 — 3,000
miles: 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.

C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.

C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.

C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.

C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.

C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C42 - RD 2044 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol members meet at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C43 - RD 2042 Patrol Plans
District Superintendent coordinates patrol schedule and sectors. District relies on engineering firm on contract to supply patrol members. Patrol would meet at 10100 Trinity Parkway. District anticipates needing help from City of Stockton or other agency for patrols during extended high water or flood conditions.

C44 - Bishop Tract Pumping Stations
District maintains three pumping stations as shown on map. No station is above 100-year flood levels.

C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.

C46 - Ridge Tract Power
Two separate PG&E lines run into Ridge Tract from the north and the south. Switch mounted on telephone poll on northern end of island allows power to island to be switch from one source to the other.

C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.

C48 - Ship Traffic and Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levee. This ongoing erosion presents a constant threat to levee stability along channel.

C49 - Tidal Erosion
Erosion exists at Station 125+00 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.

C50 - Pumping Stations
Pumps and Motors are above 100 Year Flood Elevation

C51 - RD 2037 Patrol Schedule
Superintendent coordinates patrol schedule and sector upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch and 2 experienced staff to patrol entire levee, communicate with cell phone.

See complete Special Flood Considerations list in index.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
St. Joseph's Community Home Care; 7400 Shoreline Dr, Stockton, 38°01'01.427", 121°21'29.025"

Adult Care Facilities
Crestwood Behavioral Health; Stockton, 38°01'05.753", 121°21'31.552"
Garden Oaks; Stockton, 38°01'53.269", 121°21'32.266"
O'Connor Woods; Stockton, 38°01'53.433", 121°21'33.667"
United Collection Group Homes; Stockton, 38°02'06.823", 121°22'12.257"

Schools
Christa Mcauliffe Middle; 3830 Iron Canyon Cir., Stockton, 38°02'46.319", 121°21'57.590"
Julia Morgan Elementary; 3777 A. G. Spanos Blvd., Stockton, 38°03'00.972", 121°21'29.904"
Manlio Silva Elementary; 6250 Scott Creek Dr., Stockton, 38°03'12.961", 121°23'16.801"
Venice King School; 38°03'30.525", 121°27'20.918"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
San Joaquin County Lincoln Village; Stockton, 37°59'49.988", 121°20'59.994"
Waste Water Facility; 38°00'45.346", 121°22'18.739"
White Slough Water Pollution Control Facility; 12751 N. Thornton Road, Lodi, 38°05'19.894", 121°23'12.791"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

C29 - RD 2044, Failure of Primary Levee on RD 2644 (King Island)
This scenario will lead to flooding of King Island up to Bishop Cut. The general floodfight strategy will be to protect interior slopes of primary levees while repairing break and installing emergency pumping station to dewater district.
Actions
1. Protect interior slopes of primary levees 2. Repair break 3. Identify and install additional emergency pumps to dewater district 4. Establish and maintain access to RD 2029 (Empire Tract) by southern levee of King Island 5. Monitor for increased seepage behind levees of adjacent districts

C31 - RD 2042, Failure of Levee on North Side of Bear Creek upstream from Bishop Tract
This scenario will lead to flood waters moving west toward Bishop Tract east of Interstate 5. The general floodfight strategy will be to place emergency berms at underpasses on Interstate 5 to prevent flooding of district. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place and patrol emergency berms as shown at I-5 underpasses 2. Make pre-planned Bear Creek Relief Cut (not shown in this mapbook) once impounded water equalize with creek water elevations. 3. Identify additional emergency pumps to dewater district in case berms fail to prevent floodwaters from entering district and/or backing up easterly 4. Prepare to make Bishop Relief Cut (not shown in this mapbook) incase emergency berms fail to prevent floodwaters from entering district.

C32 - RD 2042, Failure of Primary Levee on North Side of Bear Creek upstream from Bishop Tract (No Interstate 5 Emergency Berms or failure of Interstate 5 Emergency Berms)
This scenario will lead to flood waters moving west into Bishop Tract from the east side of Interstate 5. The general floodfight strategy will be to install emergency pumping station to dewater district while protecting interior of primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Protect interior of primary levees 2. Identify and place additional emergency pumps to dewater district 3. Establish emergency access plan to King Island and Empire Tract using primary levee crown on south side of district.

C33 - RD 2042, Failure of Levee on RD 2041(Bishop Tract)
This scenario will lead to flooding of Bishop Tract up to, and possibly east of, Interstate 5 on east side of district. The general floodfight strategy will be to prevent movement of floodwaters east of Interstate 5, and install emergency pumps to dewater district. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place and patrol emergency berms at Interstate 5 underpasses. 2. Repair break. 3. Protect interior slopes of primary levees. 4. Identify and install additional emergency pumps to dewater district. 5. Establish and maintain access to RD 2029 (Empire Tract) and RD 2044 (King Island) by primary levee crown on south side of district. 6. Monitor for increased seepage behind levees of adjacent districts

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

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FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

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MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data
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24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: ____

NOAA Weather Radio
All Hazards NOAA Weather Radio
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425 162.450 162.475 162.500 162.525 162.550

NOAA Mobile Weather
Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

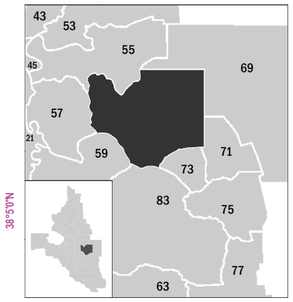
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

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- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
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- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

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- Communication Facility
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- Special Flood Consideration (C114 S)
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- Joint Field Office (JFO)
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station (PS)
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet 0 2,500

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities

Elmhaven Care Center; 6940 Pacific Ave, Stockton, 38°00'46.334", 121°19'16.146"
Lodi Memorial Hospital; 975 South Fairmont Avenue, Lodi, 38°07'16.143", 121°17'12.962"
Arbor Convalescent Hospital; 900 N Church St, Lodi, 38°07'21.293", 121°16'32.340"
Lodi Memorial Hospital West; 800 S Lower Sacramento Road, Lodi, 38°07'25.674", 121°18'20.445"
Lodi Health Care Center; 1120 Sylvia Dr, Lodi, 38°07'28.695", 121°17'10.737"
Vienna Convalescent Hospital; 800 S Ham Ln, Lodi, 38°07'28.887", 121°17'16.944"
Crescent Court Nursing Home; 610 S Fairmont Ave, Lodi, 38°07'37.855", 121°17'08.677"

Adult Care Facilities

Beverly Manor; Stockton, 37°58'40.280", 121°17'30.347"
Bayside Landing; Stockton, 37°58'54.549", 121°21'18.588"
Fulton Villa; Stockton, 37°59'04.697", 121°17'41.581"
La Salette Rehabilitation; Stockton, 37°59'04.958", 121°17'40.702"
Families First Inc; Stockton, 37°59'07.238", 121°20'14.318"
Somerford Place; Stockton, 37°59'10.451", 121°21'07.794"
Chateau Convalescent Hospital; Stockton, 37°59'12.442", 121°19'13.811"
Villa Marche Guest Home; Stockton, 37°59'13.761", 121°19'08.428"
Crestwood Manor; Stockton, 37°59'17.455", 121°19'12.658"
Harrison Homes Inc; Stockton, 37°59'30.350", 121°18'57.689"
Quail Lakes Manor; Stockton, 37°59'36.242", 121°20'38.461"
Beverly Health Ctr; Stockton, 37°59'35.720", 121°18'13.551"
Cherokee Retirement Homes; Stockton, 37°59'45.113", 121°14'57.912"
Pleasant Care Of Northern Ca; Stockton, 37°59'59.079", 121°19'15.514"
Rio Las Palmas; Stockton, 38°00'03.433", 121°17'46.278"
Shepherd Homes; Stockton, 38°00'08.514", 121°19'27.352"
Camlu Retirement Apartments; Stockton, 38°00'10.505", 121°19'39.052"
Los Feliz Care Home; Stockton, 38°00'10.739", 121°19'30.071"
Ambassador Garden Villa; Stockton, 38°00'10.739", 121°19'30.071"
Sunny Place; Stockton, 38°00'15.023", 121°19'13.015"
Whispering Hope Care Ctr; Stockton, 38°00'18.621", 121°17'37.461"
Merrill Gardens At Carson Oaks; Stockton, 38°00'36.131", 121°18'59.584"
Aspira Foster Family Svc; Stockton, 38°00'43.327", 121°19'00.683"
Sun Bridge Elmhaven Care Ctr; Stockton, 38°00'46.376", 121°19'15.816"
Sidewick Manor; Stockton, 38°01'01.880", 121°18'16.820"
Crestwood Behavioral Health; Stockton, 38°01'05.753", 121°21'31.552"
Casa Del Sol Habilitation Svc; Stockton, 38°01'08.238", 121°13'45.485"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities

San Joaquin County Lincoln Village; Stockton, 37°59'49.988", 121°20'59.994"
Waste Water Facility; 38°00'45.346", 121°22'18.739"
White Slough Water Pollution Control Facility; 12751 N. Thornton Road, Lodi, 38°05'19.894", 121°23'12.791"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°58'45.430", 121°21'09.717"

Rally Points
NO FEATURES ON THE MAP

Shelters
Mass Care Shelter; 37°58'44.015", 121°21'09.223"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

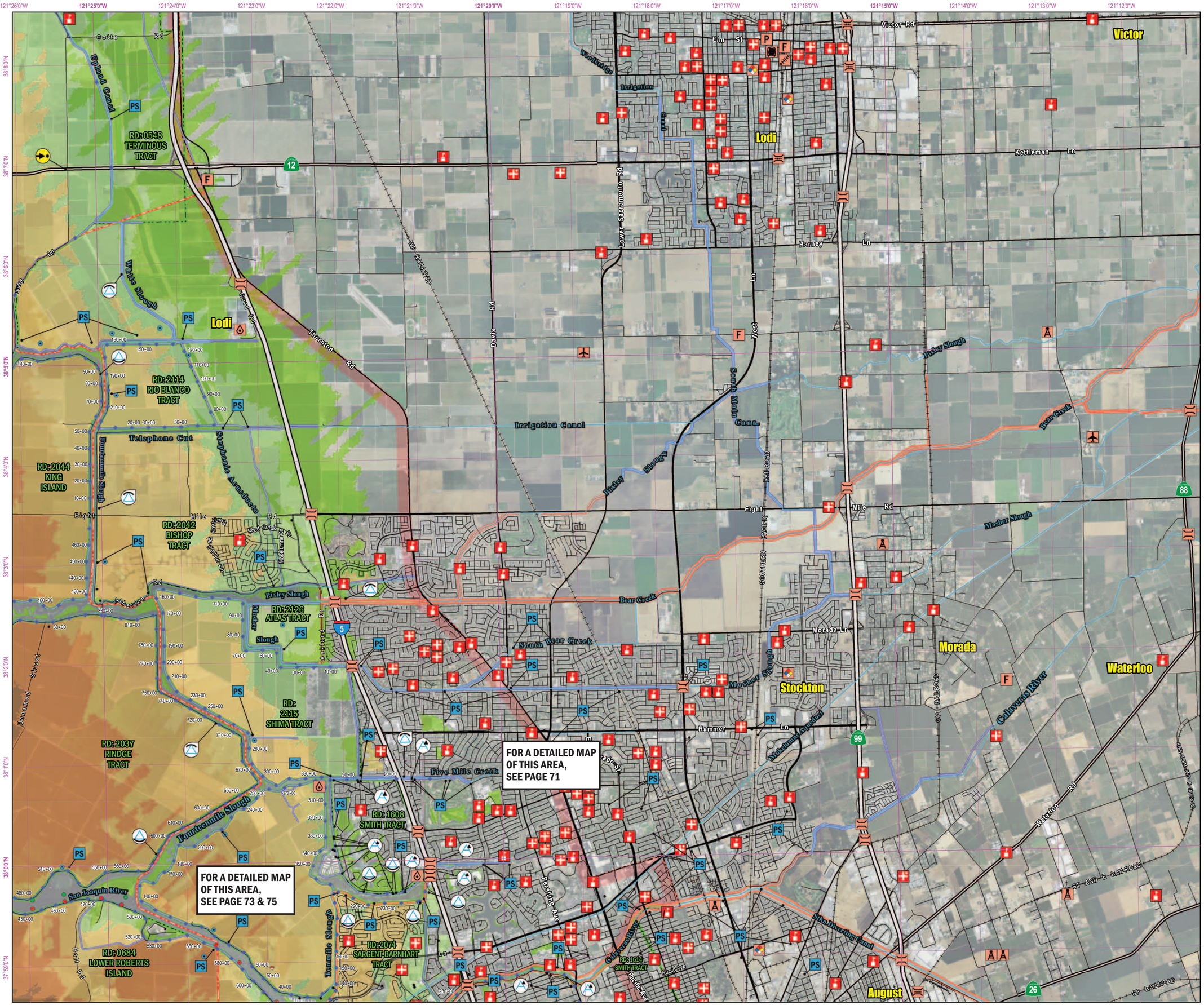
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

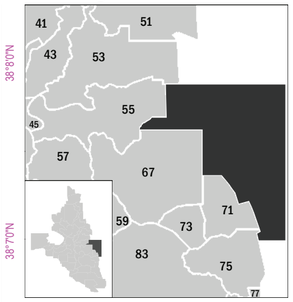
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:48,000
1"=4,000 feet

N

feet 0 4,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C52 - District 9 Patrol Plan
District 9 initiates patrols of Calaveras River, Diverting Canal, and Mormon Slough levees when flows reach warning stage. SJC Channel Maintenance staffs and schedules patrols and draws on San Joaquin County Public Works staff for assistance if necessary. Patrol of both banks of the Calaveras River is the responsibility of the San Joaquin County Flood Control District. Patrol Coordinator and patrols have cell phones and County radio systems for communications. Patrols are organized into teams of two for each bank (designated "Left Bank" and "Right Bank" as you face the mouth of the river) for each designated sector of the river. The patrol sector covering the area of concern extends from the northern end of the Diverting Canal to the deep-water channel. Patrols are organized into 8-hour shifts, which attempt to maintain 30-minute patrol intervals. Patrol speed in this sector is hindered by lack of crossings at the two railroad bridges and at the Pershing and Pacific Street bridges. Patrols will identify problem locations by reference to 1) a GPS reference, and/or 2) location in relation to one of the bridges that cross the river in this sector. Problem locations will be identified as "downstream" or "upstream" from the closest bridge. San Joaquin County Channel Maintenance Supervisor Patrol Contact Phone: *209-468-9698* or *209-468-3000*

C53 - Pumping Stations
California Water maintains water supply system for large areas along north bank of Calaveras River. In the event of a breach of north bank levee of Calaveras River, it would be critical to maintain pressure in water lines to prevent contamination. California Water has identified several pumps critical to maintaining water pressure in particular districts. Placement of emergency berms and backup power at those sites would need to take place as soon as a plausible threat of flooding is identified.

C54 - Storm Water Pumping Stations
Stockton Municipal Utility Department storm water pumping stations shown on north bank of Calaveras River are located below 100-year flood elevations and would be flooded in the event of a breach on north bank of the Calaveras River. Actions would need to be taken to demount pump motors upon identification of a plausible threat of flooding.

C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.

C56 - East Bay Municipal Utility District (EBMUD) Aqueduct
The Mokelumne Aqueduct conveys drinking water for EBMUD from Pardee Reservoir to service districts in the San Francisco East Bay area. EBMUD must be warned as soon as plausible threat of flooding is identified so proper emergency actions can be taken to protect aqueduct. Several blow-off valves and other access to the aqueduct are located at standard intervals. To report a water emergency (e.g. open hydrant, main break, or other EBMUD water-related emergency) call 1-866-40-EBMUD.

C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13" below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NGVD 29). During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.

C64 - R.D. 1614 Smith Tract Canal Watch
Smith tract superintendents will rely on citizen reports for levee information along Smith Canal due to the lack of levee access because of fences and other impediments. Therefore there is no Patrol Plan for Smith Canal

C95 - Levee Concerns
Smith Levee may not withstand high water events. Due to construction methods, levees in this area, as built, do not meet federal standards for levee construction, and are not considered to protecting levees. Smith Levee has been breached in too many areas to be considered a reliable flood control feature in an emergency.

C97 - RD 1608 Barge Accessibility
Shallow channel depths due to siltation of the channel impede waterway access for levee inspections, routine maintenance activities, repair work, and barge access from Lincoln Village West Marina to Feather River Dr Bridge. Lack of accessibility by barge to the waterside of the levee will require earthen repair material to be brought from landside.

See complete Special Flood Considerations list in index.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
St Joseph's Medical Center; 1800 North California Street, Stockton, 37°58'12.938", 121°17'17.164"
Hampton Care Center; 442 E Hampton St, Stockton, 37°58'30.736", 121°17'31.721"
Elmhaven Care Center; 6940 Pacific Ave, Stockton, 38°00'46.334", 121°19'16.146"

Adult Care Facilities
Plymouth Place; Stockton, 37°57'53.973", 121°17'54.215"
Plymouth Square Retirement Ctr; Stockton, 37°57'54.549", 121°17'50.727"
Good Samaritan Rehab Ctr; Stockton, 37°57'59.919", 121°18'15.474"
Peebles Family Care Home; Stockton, 37°57'59.068", 121°14'43.190"
Triple E Board & Care; Stockton, 37°58'22.894", 121°20'40.356"
Sun Bridge Hampton Care Ctr; Stockton, 37°58'30.681", 121°17'31.474"
Beverly Manor; Stockton, 37°58'40.280", 121°17'30.347"
Bayside Landing; Stockton, 37°58'54.549", 121°21'18.588"
Fulton Villa; Stockton, 37°59'04.697", 121°17'41.581"
La Salette Rehabilitation; Stockton, 37°59'04.958", 121°17'40.702"
Families First Inc; Stockton, 37°59'07.238", 121°20'14.318"
Somerford Place; Stockton, 37°59'10.451", 121°21'07.794"
Chateau Convalescent Hospital; Stockton, 37°59'12.442", 121°19'13.811"
Villa Marche Guest Home; Stockton, 37°59'13.761", 121°19'08.428"
Crestwood Manor; Stockton, 37°59'17.455", 121°19'12.658"
Harrison Homes Inc; Stockton, 37°59'30.350", 121°18'57.689"
Quail Lakes Manor; Stockton, 37°59'36.242", 121°20'38.461"
Beverly Health Ctr; Stockton, 37°59'35.720", 121°18'13.551"
Cherokee Retirement Homes; Stockton, 37°59'45.113", 121°14'57.912"
Pleasant Care Of Northern Ca; Stockton, 37°59'59.079", 121°19'15.514"
Rio Las Palmas; Stockton, 38°00'03.433", 121°17'46.278"
Shepherd Homes; Stockton, 38°00'08.514", 121°19'27.352"
Camlu Retirement Apartments; Stockton, 38°00'10.505", 121°19'39.052"
Los Feliz Care Home; Stockton, 38°00'10.739", 121°19'30.071"
Ambassador Garden Villa; Stockton, 38°00'10.739", 121°19'30.071"
Sunny Place; Stockton, 38°00'15.023", 121°19'13.015"
Whispering Hope Care Ctr; Stockton, 38°00'18.621", 121°17'37.461"
Merrill Gardens At Carson Oaks; Stockton, 38°00'36.131", 121°18'59.584"
Aspira Foster Family Svc; Stockton, 38°00'43.327", 121°19'00.683"
Sun Bridge Elmhaven Care Ctr; Stockton, 38°00'46.376", 121°19'15.816"
Sidewick Manor; Stockton, 38°01'01.880", 121°18'16.820"
Crestwood Behavioral Health; Stockton, 38°01'05.753", 121°21'31.552"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
San Joaquin County Lincoln Village, Stockton; 37°59'49.988", 121°20'59.994"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C38 - Central City of Stockton, Flooding on North/East side of Diverting Canal, and north of Mormon Slough, East of Head of Diverting Canal
Sheet flow ponds on north and east side of Diverting Canal and drains toward the Calaveras River. Failure of Mormon Slough on North Bank (not shown on map) East of Diverting Canal causes flows down to Diverting Canal then along East side of Diverting canal to Calaveras River.

Actions
1. Request assistance from local OES Office to flood fight Diverting Canal South Levee and Calaveras River to prevent flooding of Stockton. 2. Implement ring dike plan around SEWD Water Treatment Plant at Main Street and implement emergency power plant in event of loss of normal power supplies 3. Implement plan to expedite water flow or hold water at railroad embankment on north side of plant depending on direction of water build up 4. Establish District 9 Supply Staging Area to support flood fight efforts.

C40 - Central City of Stockton, Failure of Calaveras River North Bank Levee East of Interstate 5
The floodfight strategy will be to determine practicality of emergency berms plans to protect areas west of Interstate 5 and implement if feasible. Implement plans to protect drinking water system and facilitate dewatering of area. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Demount SMUD storm water pumping station motors. 2. Place constrictions in storm water lines leading under I-5 to Brookside storm water pumping station on west side of Interstate to preventing damage to pumps. 3. Protect and maintain operation at California Water Pumping Stations #59, 60, and 61 to maintain pressure in water system in flooded area. 4. Coordinate placement of emergency pumping stations to assist with dewatering area.

C41 - Central City of Stockton, Failure of Calaveras River North Bank Levee West of Interstate 5
The floodfight strategy will be to determine practicality of I-5 emergency berm plan to protect areas east of I-5, and implement if feasible. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Monitor and flood fight I-5 west embankments. 2. Monitor Fourteen Mile Slough for movement of water east of I-5.

C42 - RD 2074, Upstream Failure on Calaveras River
Interstate I-5 floodfight strategy in the event of a failure of levees upstream of RD 2074. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Barricade the I-5 underpasses at March Lane, EBMUD (Green Path), and Brookside Road. 3. Place emergency pumps near the existing Stockton pumping station west of I-5 along the Calaveras River at Feather River Drive. 4. Supplemental pumps may be placed at additional City of Stockton pump stations upstream to prevent waters from reaching I-5.

C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 37°58'45.430", 121°21'09.717"

Rally Points
NO FEATURES ON THE MAP

Shelters
Mass Care Shelter; 37°58'44.015", 121°21'09.223"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

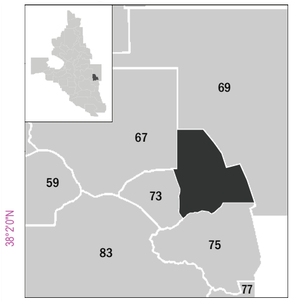
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option (C114 F)
- Special Flood Consideration (C114 S)
- Emergency Operations Center (EOC)
- Joint Field Office (JFO)
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

feet 0 2,000

miles 0 0.5

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.

C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.

C51 - RD 2037 Patrol Schedule
Superintendent coordinates patrol schedule and sector upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch and 2 experienced staff to patrol entire levee, communicate with cell phone.

C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.

C57 - RD 1608, Drainage
Two inter-connected lakes within RD 1608, Lake Lincoln and North, are storm detention basins. The locks are routinely lowered each year prior to the flood season to provide additional storage capacity. The hydraulic pressure of the lakes has stabilized groundwater levels. Any seepage in the area will likely appear first around the lakes. Lake Lincoln's capacity is 183 million gallons (560 ac. ft.) at a depth of approximately 10 feet. North Lake's capacity is approximately 44 million gallons (120 ac. ft.) at a depth of approximately 8 feet.

C58 - RD 1608, Primary Pump Station (North Lake)
Topography west of 1-5 slopes naturally to Lake Lincoln and North, however land surrounding the lakes is essentially flat. Both lakes drain by gravity to the City of Stockton Pump Station at Fort Donelson Dr. and 14-Mile Slough. Two (2) 50-HP main duty pumps and one (1) 20-HP low flow pump operate to drain the lakes. The main duty pumps can obtain 7000 GPM each and the low-flow pump 2350 GPM. This pump station is located at ground level. Precautions must be taken to protect the pump station from floodwaters. Sandbag berms should be constructed if flooding is imminent.

C59 - Flood Control Weir
San Joaquin County Flood Control operates the pumping station and weir at the confluence of 5-mile and 14-mile sloughs. Levels in 5-mile Slough are maintained below normal high-tide levels. The weir should be opened or closed, depending on sources of flood waters, to protect residences upstream of the weir.

C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13" below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NGVD 29).

During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.

C94 - Levee Concerns
The eastern horn of Wright-Elwood Levees may not withstand high water events. Be advised there may be vulnerable areas in the levee system at the confluence of the San Joaquin River and Five Mile Slough. Levees in this area are considered non-protecting and do not meet PL84-99 standards.

C96 - Ten Mile Slough Levee
The Ten Mile Slough Levee is a dryland levee built to protect against a flood in neighboring Wright-Elwood Tract (RD 2119). Though the Ten Mile Slough Levee is over built, the levee has never been tested. Seepage may occur if floodwaters enter from RD 2119. It was constructed to withstand wave-run-up from the fetch created by a breach on the San Joaquin River that floods Wright-Elmwood Tract. In the event of a breach, the west face of Ten Mile Levee should be immediately protected from erosion with visquine. For long-term erosion protection, stone should be placed on waterside slope. All levees within RD 2074 are Non-Project Levees with the exception of the Calaveras River Levee, from STA 1 0+00 to STA 87+00.

See complete Special Flood Considerations list in index.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
Tender Loving Care Guest Home; Stockton, 37°57'30.997", 121°20'10.940"
Bayside Landing; Stockton, 37°58'54.549", 121°21'18.588"
Families First Inc; Stockton, 37°59'07.238", 121°20'14.318"
Somerford Place; Stockton, 37°59'10.451", 121°21'07.794"
Crestwood Behavioral Health; Stockton, 38°01'05.753", 121°21'31.552"

Schools
Holt Elementary; 1545 South Holt Rd., Stockton, 37°57'17.141", 121°25'19.848"
United States Naval Reserve Tr; 37°57'17.059", 121°20'31.485"
Montessori Children's House; 2448 Country Club Blvd, Stockton, 37°57'53.602", 121°19'59.295"
Hoover Elementary; 2900 Kirk Ave., Stockton, 37°57'57.461", 121°20'32.446"
Webster Middle; 2725 Michigan Ave., Stockton, 37°57'59.177", 121°20'25.909"
New Vista Education Ctr; 2220 West Alpine Ave Suite B, Stockton, 37°58'18.225", 121°19'56.383"
Brookside; 2962 Brookside Rd., Stockton, 37°58'31.903", 121°20'59.060"
Don Riggio; 3110 Brookside Rd., Stockton, 37°58'34.567", 121°21'08.206"
Tyler Skills Elementary; 3830 Webster Ave., Stockton, 37°58'35.693", 121°20'12.204"
Claudia Landeen; 4128 Feather River Dr., Stockton, 37°58'47.888", 121°20'39.312"
Stagg Senior High; 1621 Brookside Road, Stockton, 37°58'49.948", 121°20'19.976"
Merryhill Schools At Brookside; 4811 Riverbrook Dr, Stockton, 37°59'12.456", 121°21'58.606"
United Christian Schools; 2111 Quail Lakes Drive, Stockton, 37°59'44.220", 121°20'07.754"
Village Oaks Elementary; 1900 West Swain Rd., Stockton, 38°00'01.757", 121°19'59.734"
Tully C. Knoles; 6511 Clarksburg Pl., Stockton, 38°00'10.876", 121°20'39.889"
Sierra Middle; 6768 Alexandria Pl., Stockton, 38°00'26.532", 121°20'19.152"
Presentation Elementary School; 1635 W Benjamin Holt Dr, Stockton, 38°00'28.743", 121°19'54.268"
Larsson (Sture) High (Continuation); 1813 Mcclellan Way, Stockton, 38°00'29.017", 121°20'04.348"
Barron (Mable) Elementary; 6835 Cumberland Pl., Stockton, 38°00'30.775", 121°21'47.675"
Lincoln High; 6844 Alexandria Pl., Stockton, 38°00'31.640", 121°20'19.894"
John R. Williams; 2450 Meadow Ave., Stockton, 38°01'05.588", 121°20'41.290"
Colonial Heights; 8135 Balboa Ave., Stockton, 38°01'21.395", 121°20'12.341"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
San Joaquin County Lincoln Village; Stockton, 37°59'49.988", 121°20'59.994"
Waste Water Facility; 38°00'45.346", 121°22'18.739"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C37 - RD 2037, 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
1. Assist with evacuation of island 2. Stabilize and repair breach 3. Install emergency pumping capacity at emergency pumping station location. 4. Lay visquine on interior slope of primary levee system to protect from wave wash from impounded water.

C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.

C45 - RD 1608, Failure of Primary Levees
Prevent floodwaters from moving east of I-5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Immediately visquine the interior levee slopes near levee breach. 2. Block the I-5 underpasses at the Green Belt, Benjamin Holt Drive, and Swain Road (blocking method and material provider should be identified for future contingency planning). Floodwaters will drain naturally toward the Lakes where they can be pumped out with the existing pump system. North Lake is at a higher elevation than Lake Lincoln. RD 1608 drains naturally toward the southwest from the area of Five Mile Slough at Swenson golf course. 3. Sandbag and protect City of Stockton primary pump station along Fourteen Mile Slough.

C46 - RD 1608, Failure of North Bank Levee of Five Mile Slough (Shima Tract RD 2115)
Wave run-up from Shima Tract levee failure.
Actions
1. Activate the pumps and weir at terminus of Fourteen and Five Mile Slough, (depending on the head pressures, the weir pumping plant should be activated if conditions permit). 2. Immediately prepare to visquine slopes above riprap on waterside of Five Mile levee to prevent wave wash erosion. 3. Monitor floodwaters and prepare to visquine the interior levee slopes if floodwater continue up Five Mile Slough. 4. Block culverts at 1-5 to prevent flooding through Swenson Golf Course (blocking method and material provider should be identified for future contingency planning).

C47 - RD 1608, Floodwaters Arriving From the East
floodfight strategy in the event of floodwaters emanating from the east. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Block the underpasses at I-5, the Green Belt, Benjamin Holt Drive, and Swain Road (blocking method and material provider should be identified for future contingency planning). 2. If necessary, visquine the interior slopes of the levees on the east side of I-5. 3. Establish emergency pumping stations to move floodwaters to Five Mile Slough west of I-5. 4. Open the weir if sufficient head exists to drain the floodwaters into the Delta. 5. Construct a temporary berm in Swenson Golf Course from Benjamin Holt Drive north to Five Mile Slough to route waters into the slough. 6. Consider making a Relief Cut (not shown in this mapbook) in Five Mile Slough on the east side of I-5. 7. If floodwaters reach Cumberland Place, immediate action to sandbag City of Stockton primary pump station along Fourteen Mile Slough.

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
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San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
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Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
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Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
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Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 37°58'45.430", 121°21'09.717"

Rally Points
NO FEATURES ON THE MAP

Shelters
Mass Care Shelter; 37°58'44.015", 121°21'09.223"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

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Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph
NOTES: ___

12 HOUR
PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph
NOTES: ___

24 HOUR
PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph
NOTES: ___

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

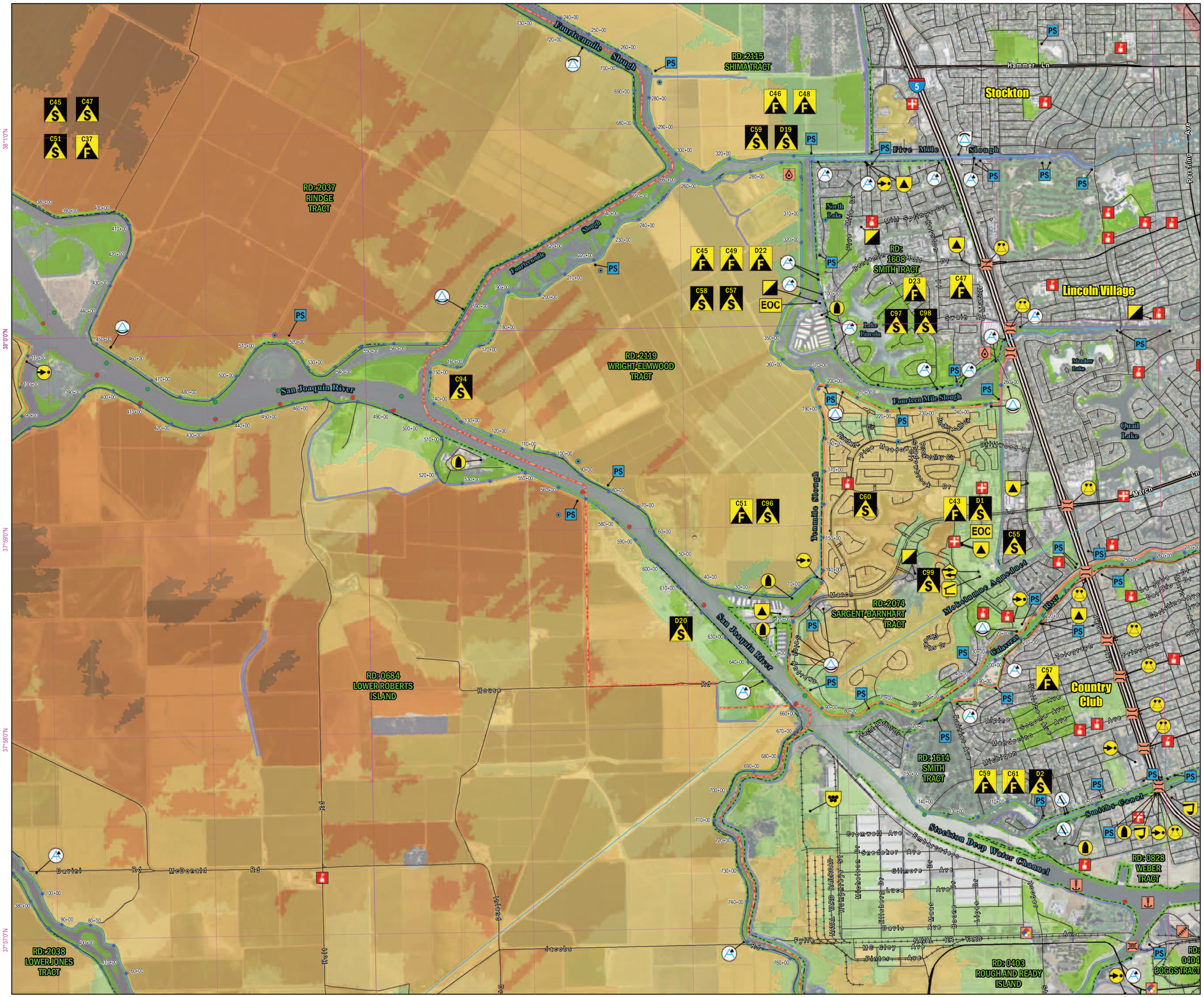
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

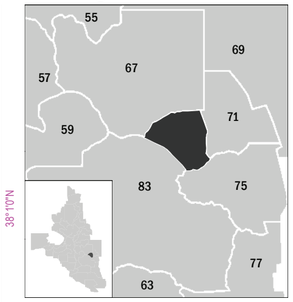
RESOURCE TOTALS
Required | Have | Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88 — FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 — 2,000
miles 0 — 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.

C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13" below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NAVD 29). During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.

C61 - RD 404 and Port of Stockton Flood Patrol
Port of Stockton will coordinate and schedule all district patrols during high water events. Six Port of Stockton personnel and one vehicle will conduct 24-hour patrol of levee segment from Stockton Deep Water Channel to BNSF railroad tracks. City of Stockton Municipal Utilities District will assign 6 personnel and one vehicle to conduct 24-hour patrol of levee segment from BNSF railroad tracks to Charter Way. City of Stockton will assign 6 personnel and one vehicle to conduct 24-hour patrol of levee segment from Charter Way to Interstate 5. All patrols under direction of Port of Stockton. Lath Protocol for Patrol Crews, Red Flagged - Boil/Seepage Site, Blue Flagged - Rock Slippage, White Flagged - Slope/Levee Distress

C63 - Stockton Municipal Utilities District (SMUD) Waste Water Treatment Plant
Utility District staff cannot currently prevent internal flooding of treatment plant by floodwaters entering effluent lines terminating at plant. Staff will attempt to save plant by pumping effluent as quickly as possible into Tertiary Ponds across river. Flood flow in lines will probably exceed that pumping capacity. Failure of RD 404 levees, or failure of levees east of District at Mormon Slough, could flood primary plant to significant depths with loss of service to over 300,000 customers. Priority infrastructure protection actions to install flood wall at primary plant and system to bypass flood flows in effluent lines away from plant needed. At least two and levee failure scenarios flood primary regional waste water plant to significant depths unless flood wall protection is installed around regional waste water plan

C64 - R.D. 1614 Smith Tract Canal Watch
Smith tract superintendents will rely on citizen reports for levee information along Smith Canal due to the lack of levee access because of fences and other impediments. Therefore there is no Patrol Plan for Smith Canal

C67 - Northern RD 17
During the 1997 flood event, it was determined that it would be impractical to build a reliable emergency levee to protect the northern undeveloped portion of RD 17 once flooding had begun. Even if an emergency levee was constructed, it would have increased the floodplain depth to the south, creating significant liability to the protecting levee structures in place.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

C95 - Levee Concerns
Smith Levee may not withstand high water events. Due to construction methods, levees in this area, as built, do not meet federal standards for levee construction, and are not considered to protecting levees. Smith Levee has been breached in too many areas to be considered a reliable flood control feature in an emergency.

C96 - Ten Mile Slough Levee
The Ten Mile Slough Levee is a dryland levee built to protect against a flood in neighboring Wright-Elwood Tract (RD 2119). Though the Ten Mile Slough Levee is over built, the levee has never been tested. Seepage may occur if floodwaters enter from RD 2119. It was constructed to withstand wave-run-up from the fetch created by a breach on the San Joaquin River that floods Wright-Elmwood Tract. In the event of a breach, the west face of Ten Mile Levee should be immediately protected from erosion with visquine. For long-term erosion protection, stone should be placed on waterside slope. All levees within RD 2074 are Non-Project Levees with the exception of the Calaveras River Levee, from STA 10+00 to STA 87+00.

C99 - Emergency Sheltering
Brookeside Country Club will function as a mass care shelter in the event of an emergency. The country club is 20 feet in elevation above the Fire Department. This shelter location has the highest elevation in Stockton. There are 4,000-5,000 residents from the local area may need sheltering at this location.

See complete Special Flood Considerations list in index.

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C40 - Central City of Stockton, Failure of Calaveras River North Bank Levee East of Interstate 5
The floodfight strategy will be to determine practicality of emergency berms plans to protect areas west of Interstate 5 and implement if feasible. Implement plans to protect drinking water system and facilitate dewatering of area. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Demount SMUD storm water pumping station motors. 2. Place constrictions in storm water lines leading under I-5 to Brookside storm water pumping station on west side of Interstate to preventing damage to pumps. 3. Protect and maintain operation at California Water Pumping Stations #59, 60, and 61 to maintain pressure in water system in flooded area. 4. Coordinate placement of emergency pumping stations to assist with dewatering area.

C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.

C51 - RD 2074, Failure of Wright Elmwood
The level of Brookside Lake should serve to equilibrate the hydrologic pressure created from additional water against Ten Mile Levee. floodfight strategy in the event of a failure of RD 2119, Wright-Elmwood, levees:
Actions
1. Increase patrols along Ten Mile Dry Land Levee. 2. Visquine west face of Ten Mile Levee, design elevation= 15. 8', app. 450,000 sq. ft. 3. Consider placing stone protection against the west face of Ten Mile Levee. 4. Place emergency pumps at North Buckley Cove.

C53 - Boggs Tract, Failure of South Side of Mormon Slough or West Levee of Diverting Canal
Water will flow toward district roughly parallel to Mormon Slough through residential areas east of I-5. The general floodfight strategy will be to evaluate whether to implement Boggs Tract Emergency Berms or Port of Stockton Relief Cut (not shown in this mapbook) while implementing infrastructure protective measures. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Boggs Tract Emergency Berm P.E.D. to prevent water reaching Regional Wastewater Control Plant and district if ordered by Metropolitan Flood Fight Command. 2. Implement Port of Stockton Relief Cut (not shown in this mapbook) P.E.D. if ordered by Metropolitan Flood Fight Command. 3. Initiate maximum pumping at Regional Wastewater Treatment Plant of waste effluent into tertiary ponds across river to protect treatment plant from internal flooding. 4. Monitor municipal water system and isolate flooded sections as necessary to maintain integrity of water system. Prepare to cut power to areas impacted by floodwaters. 5. Protect interior slopes of district levees if district floods. 6. Install emergency pumping stations if district floods.

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

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Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
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CARE & PLACE

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Rally Points
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Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data
NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph
NOTES: _____

NOAA Weather Radio
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425 162.450 162.475 162.500 162.525 162.550

NOAA Mobile Weather
Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Dameron Hospital; 525 West Acacia Street, Stockton, 37°57'41.050", 121°18'02.592"
Hampton Care Center; 442 E Hampton St, Stockton, 37°58'30.736", 121°17'31.721"
St. Joseph's Medical Center Home Health; 2333 W March Ln, Stockton, 37°59'06.565", 121°20'16.104"

Adult Care Facilities
Dulay Caridad Guest Home; Stockton, 37°55'25.094", 121°17'43.476"
Tilden Park Residential Homes; Stockton, 37°55'31.013", 121°19'06.505"
Casa Del Sol; Stockton, 37°57'12.897", 121°15'51.141"
Tender Loving Care Guest Home; Stockton, 37°57'30.997", 121°20'10.940"
Delta Plaza Senior Apartments; Stockton, 37°57'37.012", 121°17'19.938"
Oakhaven Home For The Aged; Stockton, 37°57'36.820", 121°16'59.641"
Antonette's Guest Home; Stockton, 37°57'42.478", 121°17'52.622"
Plymouth Place; Stockton, 37°57'53.973", 121°17'54.215"
Plymouth Square Retirement Ctr; Stockton, 37°57'54.549", 121°17'50.727"
Good Samaritan Rehab Ctr; Stockton, 37°57'59.919", 121°18'15.474"
Sun Bridge Hampton Care Ctr; Stockton, 37°58'30.681", 121°17'31.474"
Beverly Manor; Stockton, 37°58'40.280", 121°17'30.347"
Bayside Landing; Stockton, 37°58'54.549", 121°21'18.588"
Fulton Villa; Stockton, 37°59'04.697", 121°17'41.581"
Families First Inc; Stockton, 37°59'07.238", 121°20'14.318"
Somerford Place; Stockton, 37°59'10.451", 121°21'07.794"
Chateau Convalescent Hospital; Stockton, 37°59'12.442", 121°19'13.811"
Villa Marche Guest Home, Stockton; 37°59'13.761", 121°19'08.428"

Schools
August Knodt Elementary; 3939 Ews Woods Blvd., Stockton, 37°54'20.838", 121°18'13.414"
Great Valley Elementary; 4223 Mcdougald Blvd., Stockton, 37°54'20.632", 121°17'46.058"
Taft Elementary; 419 South Downing Ave., Stockton, 37°54'50.144", 121°17'02.662"
Taylor Skills Elementary; 1101 Lever Blvd., Stockton, 37°55'23.693", 121°18'02.345"
Marshall Middle; 1141 Lever Blvd., Stockton, 37°55'23.735", 121°18'02.153"
Apostolic Christian Academy; 2222 Lever Blvd, Stockton, 37°55'33.512", 121°17'49.986"
Mckinley Elementary; 30 West Ninth St., Stockton, 37°55'36.438", 121°16'57.608"
San Joaquin Elementary; 2020 South Fresno Ave., Stockton, 37°55'44.142", 121°18'43.461"
Van Buren Elementary; 1628 East Tenth St., Stockton, 37°55'49.113", 121°15'38.314"
St George School; 144 West Fifth St., Stockton, 37°55'56.268", 121°17'13.236"
Dolores Huerta Elementary; 1644 South Lincoln, Stockton, 37°56'03.656", 121°17'33.616"
Grant Elementary; 1800 South Sutter St., Stockton, 37°56'04.631", 121°16'49.945"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Stockton STP Main Plant; 2500 Navy Drive, Stockton, 37°56'13.997", 121°19'29.989"

OPERATIONAL PLANNING WORKSHEET

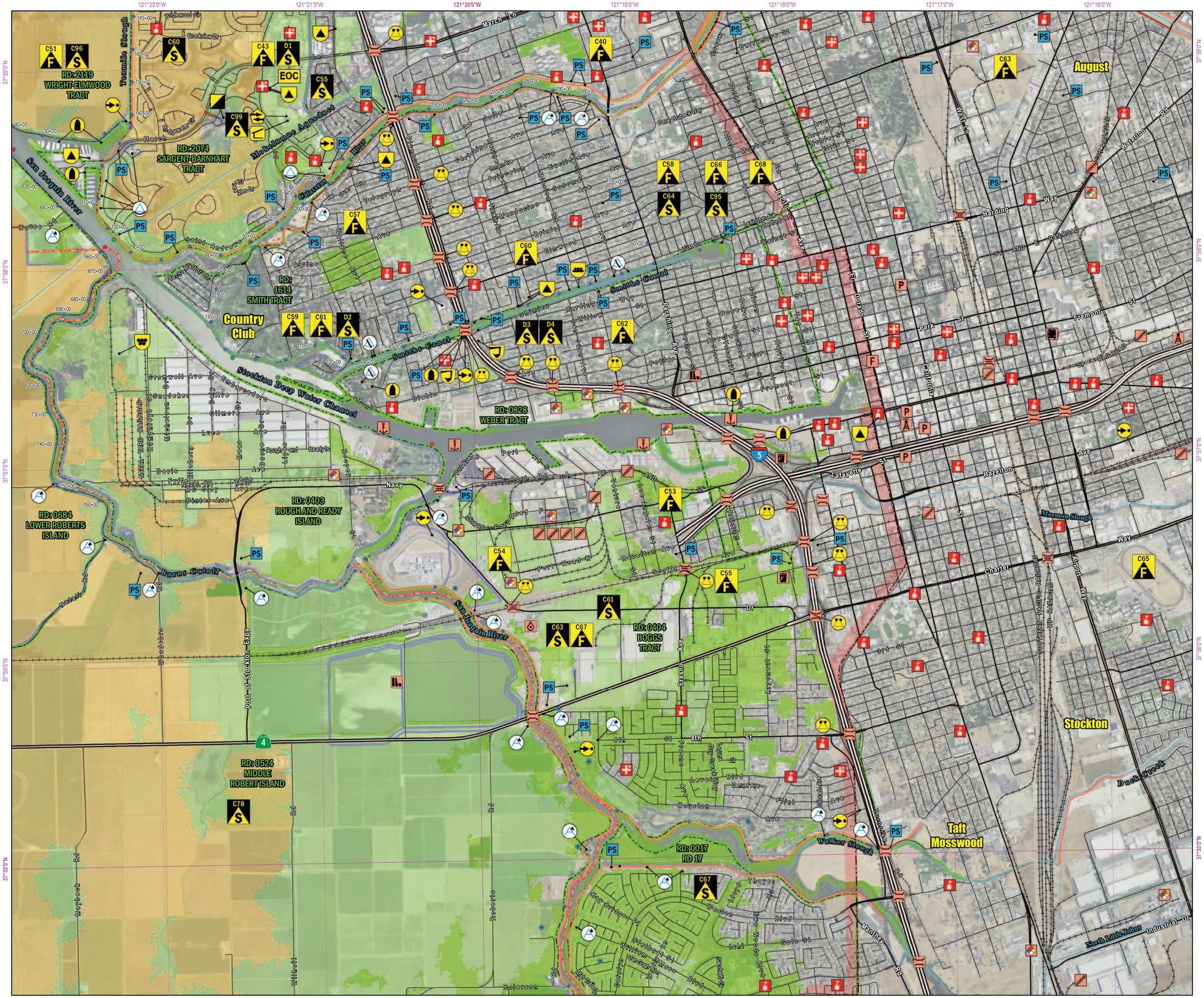
DEVELOPED FROM ICS FORM 215

BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

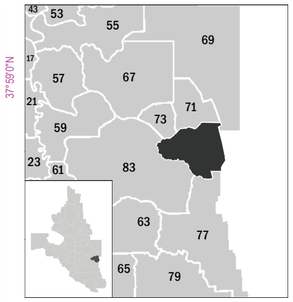
RESOURCE TOTALS
Required Have Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88 — FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10
				Sea Level	

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 — 2,000
miles 0 — 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.

C69 - Manteca Subdivisions
Each of the subdivisions that are located south of Highway 120 have storm drains, which presently flow into retention basins. Plans are currently being reviewed that will convert the Woodward Park Storm Drain Basin into a detention basin. The newly constructed storm water pump stations would limit reverse flow preventing backwaters to entire the streets through storm water inlets. The gravity sewer lines in the various subdivisions currently discharge into pump stations. The pump stations discharge through the force main into the sewer treatment plant. The sewer outfall line has a flap gate located at the discharge point into the river that would prevent water from being pushed backward into the sewer plant.

C77 - RD No. 524
San Joaquin River originally went through Burn's Cut levee. Creation of ship channel lowered 100-year flood flows through Burn's Cut too much below levee height. Potential for need for a relief cut at Burn's Cut would recommend the lowering of RD 524 at this location by 4 feet to facilitate implementation of relief cut. Potential need for a relief cut on south side of Burn's 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.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.
Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
Northern California Women's Facility (Ncwf), 7150 E. Arch Road, Stockton; 37°54'19.245", 121°11'09.809"

Medical Care Facilities
St Dominic's Hospital; 1777 West Yosemite Avenue, Manteca, 37°47'53.803", 121°14'44.234"
Doctors Hospital Of Manteca; 1205 East North Street, Manteca, 37°48'05.339", 121°11'51.584"
Manteca Care & Rehabilitation Center; 410 Eastwood Ave, Manteca, 37°49'04.610", 121°13'20.903"
San Joaquin General Hospital; 500 West Hospital Road, French Camp, 37°53'11.981", 121°17'01.563"

Adult Care Facilities
Parkview Guest Home; Manteca, 37°47'30.347", 121°14'09.792"
Triple S; Manteca, 37°47'46.813", 121°13'49.550"
Triad Family Svc; Manteca, 37°47'51.496", 121°12'12.376"
DNB Guest Home; Manteca, 37°47'54.174", 121°12'51.020"
Agape Villages Foster Family; Manteca, 37°47'54.737", 121°13'09.010"
Palm Haven Care Ctr; Manteca, 37°48'04.089", 121°12'42.341"
Westlake House Leisure Manor; Manteca, 37°48'05.723", 121°14'05.013"
Delta Breeze; Manteca, 37°48'08.937", 121°11'33.566"
Sunbridge Care & Rehab Ctr; Manteca, 37°49'04.143", 121°13'20.848"
Southland Guest Home; Manteca, 37°49'09.609", 121°12'00.922"
Mc Kinley Avenue Guest Home; French Camp, 37°51'29.946", 121°16'26.846"
Sunrise Home; French Camp, 37°52'47.674", 121°17'31.913"
Dulay Caridad Guest Home; Stockton, 37°55'25.094", 121°17'43.476"
Casa De Ninos, Stockton; 37°55'22.444", 121°14'31.957"

Schools
Rustic School; 37°46'05.135", 121°15'07.333"
Walter Woodward Elementary; 575 Tannehill Dr., Manteca, 37°46'09.914", 121°12'29.157"
Veritas Elementary; 1600 Pagola St., Manteca, 37°46'43.326", 121°13'51.610"
Brock Elliott Elementary; 1110 Stonum Ln., Manteca, 37°47'09.885", 121°14'23.580"
Sequoia Elementary; 710 Martha St., Manteca, 37°47'27.738", 121°13'31.505"
Manteca Adventist; 525 S Union Rd, Manteca, 37°47'35.827", 121°14'05.397"
Sierra High; 1700 Thomas St., Manteca, 37°47'38.258", 121°14'38.027"
Manteca Community Day (7-12); 680 Mikesell Ave., Manteca, 37°47'43.586", 121°12'31.849"
Manteca Community Day (K-6); 680 Mikesell St., Manteca, 37°47'43.586", 121°12'31.849"
Manteca High; 450 East Yosemite Ave., Manteca, 37°47'50.425", 121°12'40.528"
Lincoln Elementary; 750 East Yosemite Ave., Manteca, 37°47'50.603", 121°12'25.834"
Yosemite School; 37°47'52.595", 121°13'34.224"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
City of Tracy Wastewater Treatment Plant; 3900 Holly Drive, Tracy, 37°45'54.863", 121°25'34.185"
Wastewater Quality Control Facility; 2450 West Yosemite Avenue, Manteca, 37°47'51.029", 121°15'32.464"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C70 - RD 17 - Mossdale Tract, Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dry Land Levee, maintain primary district levees, and prepare to implement additional actions.

Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, make Mizuno Farms Relief Cut (not shown in this mapbook) south of Walthal Slough Dry Land Levee down to high water level. 2. Review specifications and equipment required for Weston Ranch Relief Cut (not shown in this mapbook) with San Joaquin County OES. 3. Review requirements for Hwy 120 Emergency Berms. 4. Preposition materials and initiate a standby contract to implement necessary actions. 5. Preposition needed material and equipment for construction of Lathrop Emergency Berms P.E.D. 6. Sign standby contract for construction of Mathew's Complex Ring Dike P.E.D.

C71 - RD 17 - Mossdale Tract, Failure of Walthal Slough Dry Land Levee
The general floodfight strategy is to floodfight Highway 120 with Highway 120 Emergency Berms.

Actions
1. Construct Highway 120 Emergency Berms to P.E.D. specs and floodfight Highway 120. 2. Position equipment to make Weston Ranch Relief Cut (not shown in this mapbook) near the confluence of San Joaquin River and French Camp Slough. 3. Construct Lathrop I-5 Emergency Berms at Lathrop Rd. and Louise Ave. 4. Construct Matthew's Complex Ring Dike on Mathews Rd. near French Camp.

C74 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Upper Roberts District (RD 544)
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 floodfight 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. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook) one-quarter mile east of Natali Road; lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4. 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Rail Embankment & Highway 4 to Kingston School Responsible Agency: Drexler/Pocket Area Landowners 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Make cut in Upper Robert Dry Land Levee to facilitate flow of water through Upper and Middle Roberts Districts to prevent ponding toward higher ground 7. Floodfight Waste Treatment Facility Levees

C79 - RD 17 , Failure of Upstream Levee in RD 2064
The general floodfight strategy will be to maintain district levees, perform pre-planning for additional actions, and closely monitor floodfight on Trahern Cross Levee. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Monitor performance of Trahern Cross Levee above RD 2075 2. Initiate review of preliminary engineering and design work conducted under the San Joaquin OES office. 3. Advise RD 17, RD 2094, and RD 2096 of condition of Trahern Cross Levee floodfight

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.
Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
Stockton Metropolitian; 5000 S. Airport Way, Stockton, 37°53'12.681", 121°14'33.385"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

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MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

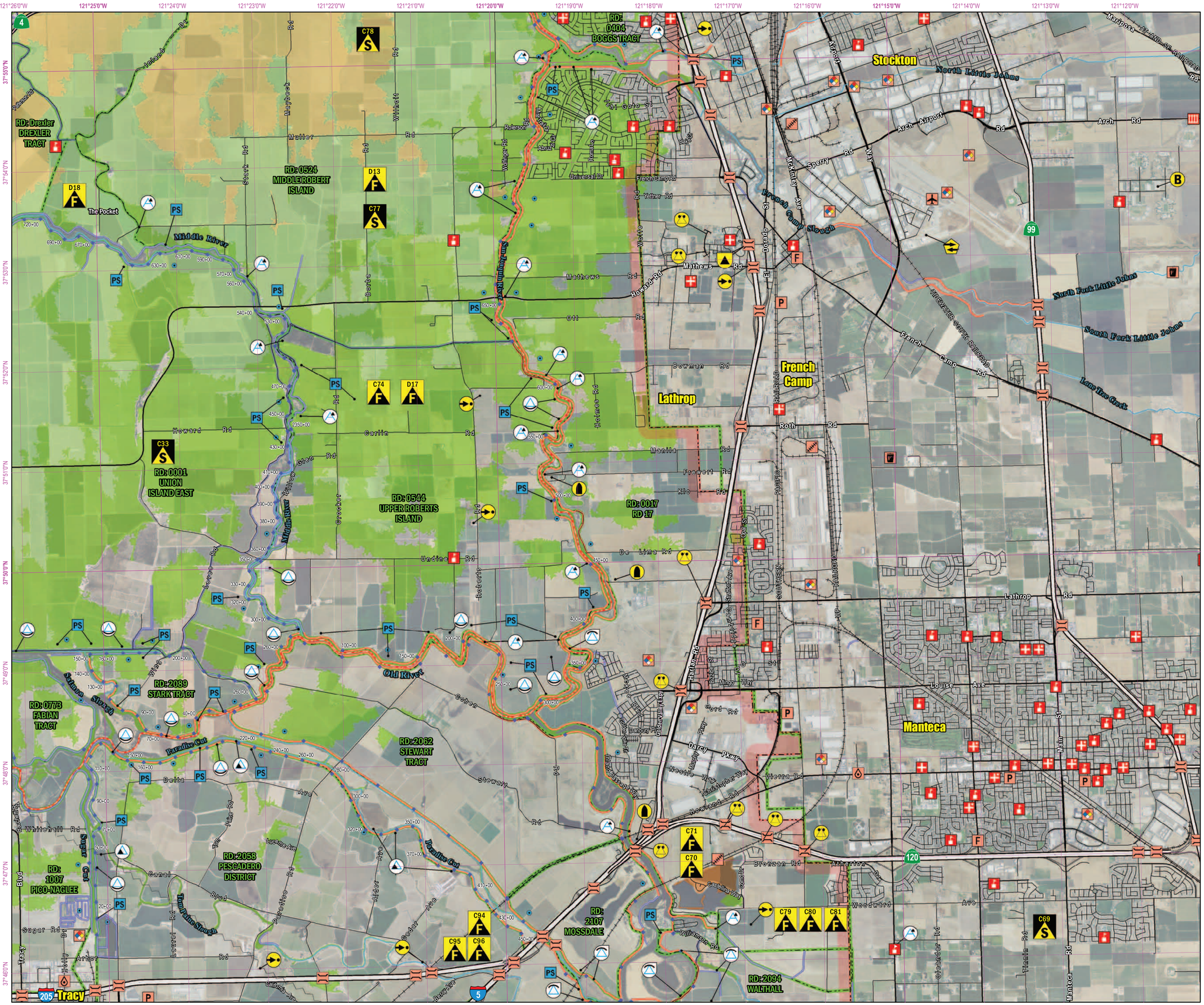
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS
Required | Have | Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				


121°26'0"W
121°25'0"W
121°24'0"W
121°23'0"W
121°22'0"W
121°21'0"W
121°20'0"W
121°19'0"W
121°18'0"W
121°17'0"W
121°16'0"W
121°15'0"W
121°14'0"W
121°13'0"W
121°12'0"W
37°55'0"N
37°54'0"N
37°53'0"N
37°52'0"N
37°51'0"N
37°50'0"N
37°49'0"N
37°48'0"N
37°47'0"N
37°46'0"N
RD: Drexler DREXLER TRACT
RD: 0524 MIDDLE ROBERT ISLAND
RD: 0404 BOGGS TRACT
RD: 0001 UNION ISLAND EAST
RD: 0544 UPPER ROBERTS ISLAND
RD: 0017 RD 17
RD: 2089 STARK TRACT
RD: 0773 FABIAN TRACT
RD: 2062 STEWART TRACT
RD: 2058 PESCADERO DISTRICT
RD: 1007 PICO-NAGLEE
RD: 2107 MOSSDALE
RD: 2094 WALTHALL
The Pocket
Middle River
Old River
Paradise Cut
Stockton
Lathrop
French Camp
Manteca
Tracy
North Little Johns
North Fork Little Johns
South Fork Little Johns
Lone Tree Creek
French Camp Slough
Mathews Rd
Howard Rd
Ott Rd
Bowman Rd
Carlin Rd
Manlla Rd
Frewert Rd
Kilo Rd
Undine Rd
Do Lima Rd
Roth Rd
Lathrop Rd
Louise Ave
Bronzan Rd
Woodward Ave
Howland Rd
Stewart Rd
Cohen Ave
Delta
Arbor
Sugar Rd
Whitehall Rd
Sperry Rd
Arch Rd
Arch Airport Rd
Airport Rd
Mariposa
AT_AND_SF_RAILROAD
SOUTHERN PACIFIC RAILROAD
INTERMODAL SOUTH RAILROAD
Sharpe Depot
Weber Point Events Center
Yosemite Community College District
Delta College
Stockton Metropolitan Airport
Lodi Airport
Manteca Transit Center
Tracy Transit Station
Tracy Municipal Airport
Tracy Community Hospital
Manteca District Hospital
Dameron Hospital
Lodi Memorial Hospital
Lodi Memorial Hospital West
Doctors Medical Center
Dameron Hospital Association
Stockton Fire Department
Manteca Fire Department
Tracy Fire Department
Lodi Fire Department
Lathrop Fire Department
Lathrop Police Department
Manteca Police Department
Tracy Police Department
Lodi Police Department
Stockton Police Department
Stockton Police Department Airport Bureau
San Joaquin County Sheriff's Office
San Joaquin County Sheriff's Office Airport Bureau
San Joaquin County Sheriff's Office Marine Patrol
San Joaquin County Sheriff's Office Aero Bureau
San Joaquin County Sheriff's Office Dive Team
San Joaquin County Sheriff's Office Search and Rescue
San Joaquin County Sheriff's Office Mounted Unit
San Joaquin County Sheriff's Office Bomb Squad
San Joaquin County Sheriff's Office Tactical Team
San Joaquin County Sheriff's Office Hostage Negotiation Team
San Joaquin County Sheriff's Office Crisis Negotiation Team
San Joaquin County Sheriff's Office Crisis Intervention Team
San Joaquin County Sheriff's Office Honor Guard
San Joaquin County Sheriff's Office Explosive Ordnance Disposal Team
San Joaquin County Sheriff's Office Underwater Recovery Team
San Joaquin County Sheriff's Office Underwater Search and Recovery Team
San Joaquin County Sheriff's Office Underwater Search and Evidence

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C69 - Manteca Subdivisions
Each of the subdivisions that are located south of Highway 120 have storm drains, which presently flow into retention basins. Plans are currently being reviewed that will convert the Woodward Park Storm Drain Basin into a detention basin. The newly constructed storm water pump stations would limit reverse flow preventing backwaters to entire the streets through storm water inlets. The gravity sewer lines in the various subdivisions currently discharge into pump stations. The pump stations discharge through the force main into the sewer treatment plant. The sewer outfall line has a flap gate located at the discharge point into the river that would prevent water from being pushed backward into the sewer plant.

C70 - RD 2064 Barge Access
District generally inaccessible to barges from downstream.

C72 - RD 2095 Historic Breaks
Historic breaks in this district have been on Paradise Cut levees. Interstate highways and railroad embankments have not been overtopped because of levee failure in this area. Failure of district_San Joaquin River levees with the much higher flow of the main stem of San Joaquin River would be much more damaging and would cut interstate highways and railroad embankments to the North. Consideration should be given to designing "Six-pack" pump station with dry wet well and floodgates that could be opened or closed in flood event as needed to preserve pump integrity and keep pumps out of water, and keep mud from clogging pumps by maintaining adequate water depths around pump intakes.

C75 - Drainage
RDs covered by this map have several pumping stations as shown for day-to-day drainage of reclaimed land. Cement culverts with gates are also in place as shown to allow gravity flow drainage back into the river if impounded water levels are high enough. In the event of flooding, districts would use culverts at low end of RD 2064 and RD 2096 (end of Walthall Slough) to drain area by gravity flow once river water elevations have subsided. District pumps would be used to drain remaining ponded water. District pumps are above 100-year flood elevations.

D5 - Red Bridge Slough Drainage
Three electric discharge pumps are used to drain Red Bridge Slough when the knife gate is closed and water in the river is higher than culvert output drain.

D6 - Local Seepage
In 2006, the area around Durham Ferry State Recreation Area along the east bank of the San Joaquin River had standing water from ground seepage.

D7 - Low water crossing at Red Bridge Slough
Red Bridge Slough at South Airport Way is a low water crossing, and will flood with any significant high water or a levee break in the district. Flooding of Airport Way will impede traffic going west towards the bridge over the San Joaquin River. In 1997, floodwaters washed out the South Airport Way.

D9 - High-water Event RD 2064
Red Bridge Slough crosses Mortensen Road through a culvert. In a high-water event, this road may not be passable, due to high waters overtopping the culvert onto the road. Access to the levee down Mortensen Road If Mortensen Road becomes flood stricken.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
Deuel Vocational Institution; 23500 Kasson Road, Tracy, 37°44'37.835", 121°20'14.593"

Medical Care Facilities
Sutter Tracy Community Hospital; 1420 North Tracy Boulevard, Tracy, 37°44'37.848", 121°26'02.118"
St Dominic's Hospital; 1777 West Yosemite Avenue, Manteca, 37°47'53.803", 121°14'44.234"
Doctors Hospital Of Manteca; 1205 East North Street, Manteca, 37°48'05.339", 121°11'51.584"
Manteca Care & Rehabilitation Center; 410 Eastwood Ave, Manteca, 37°49'04.610", 121°13'20.903"

Adult Care Facilities
VBR Foster Family Agency Inc; Tracy, 37°44'22.426", 121°25'35.394"
Tracy Convalescent Hospital; Tracy, 37°44'42.490", 121°26'02.146"
Heritage Place; Tracy, 37°45'15.614", 121°25'50.939"
New Hope Care Ctr; Tracy, 37°45'18.223", 121°25'55.664"
Laguna Home; Tracy, 37°45'35.870", 121°25'18.392"
Parkview Guest Home; Manteca, 37°47'30.347", 121°14'09.792"
Triple S; Manteca, 37°47'46.813", 121°13'49.550"
Triad Family Svc; Manteca, 37°47'51.496", 121°12'12.376"
DNB Guest Home; Manteca, 37°47'54.174", 121°12'51.020"
Agape Villages Foster Family; Manteca, 37°47'54.737", 121°13'09.010"
Palm Haven Care Ctr; Manteca, 37°48'04.089", 121°12'42.341"
Westlake House Leisure Manor; Manteca, 37°48'05.723", 121°14'05.013"
Delta Breeze; Manteca, 37°48'08.937", 121°11'33.566"
Sunbridge Care & Rehab Ctr; Manteca, 37°49'04.143", 121°13'20.848"
Southland Guest Home, Manteca; 37°49'09.609", 121°12'00.922"

Schools
New Jerusalem Elementary; 31400 South Koster Rd., Tracy, 37°40'06.568", 121°19'27.984"
New Jerusalem Charter; 31400 South Koster Rd., Tracy, 37°40'06.568", 121°19'27.984"
Delta Charter High; 31400 South Koster Rd., Tracy, 37°40'06.568", 121°19'27.984"
Jefferson; 7500 West Linne Rd., Tracy, 37°41'46.063", 121°23'54.127"
Tom Hawkins Elementary; 475 Darlene Ln., Tracy, 37°42'21.055", 121°25'17.074"
Monticello Elementary; 1001 Cambridge Pl., Tracy, 37°42'25.202", 121°26'15.961"
Poet-Christian (Gladys) Elementary; 1701 S. Central Ave., Tracy, 37°42'56.197", 121°25'51.736"
Gladys Poet-Christian Elementary; 1701 South Central Ave., Tracy, 37°43'10.562", 121°25'41.656"
South/West Park Elementary; 500 West Mt. Diablo Rd., Tracy, 37°43'43.974", 121°25'59.976"
Louis A. Bohn Elementary; 350 East Mt. Diablo, Tracy, 37°43'44.441", 121°25'13.751"
Montessori School Of Tracy; 100 S Tracy Blvd, Tracy, 37°43'45.856", 121°26'04.617"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
City of Tracy Wastewater Treatment Plant; 3900 Holly Drive, Tracy, 37°45'54.863", 121°25'34.185"
Wastewater Quality Control Facility; 2450 West Yosemite Avenue, Manteca, 37°47'51.029", 121°15'32.464"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C70 - RD 17 - Mossdale Tract, Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dry Land Levee, maintain primary district levees, and prepare to implement additional actions.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, make Mizuno Farms Relief Cut (not shown in this mapbook) south of Walthal Slough Dry Land Levee down to high water level. 2. Review specifications and equipment required for Weston Ranch Relief Cut (not shown in this mapbook) with San Joaquin County OES. 3. Review requirements for Hwy 120 Emergency Berms. 4. Preposition materials and initiate a standby contract to implement necessary actions. 5. Preposition needed material and equipment for construction of Lathrop Emergency Berms P.E.D. 6. Sign standby contract for construction of Mathew's Complex Ring Dike P.E.D.

C71 - RD 17 - Mossdale Tract, Failure of Walthal Slough Dry Land Levee
The general floodfight strategy is to floodfight Highway 120 with Highway 120 Emergency Berms.
Actions
1. Construct Highway 120 Emergency Berms to P.E.D. specs and floodfight Highway 120. 2. Position equipment to make Weston Ranch Relief Cut (not shown in this mapbook) near the confluence of San Joaquin River and French Camp Slough. 3. Construct Lathrop I-5 Emergency Berms at Lathrop Rd. and Louise Ave. 4. Construct Matthew's Complex Ring Dike on Mathews Rd. near French Camp.

C79 - RD 17 , Failure of Upstream Levee in RD 2064
The general floodfight strategy will be to maintain district levees, perform pre-planning for additional actions, and closely monitor floodfight on Trahern Cross Levee. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor performance of Trahern Cross Levee above RD 2075 2. Initiate review of preliminary engineering and design work conducted under the San Joaquin OES office. 3. Advise RD 17, RD 2094, and RD 2096 of condition of Trahern Cross Levee floodfight

C80 - RD 17 , Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dryland Levee, maintain primary district levees, and prepare for additional actions. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, cut levee south of Walthal Slough Dryland Levee at Relief Cut (not shown in this mapbook) location down to high water level. Cut to be 1,200' wide at location indicated on map. Conduct floodfight on south cross levee extending from Levee Mile13. 6. Review specifications and equipment required for planned Relief Cut (not shown in this mapbook) at Levee Mile1. 4. Obtain all necessary releases. 2. Review requirements for Hwy 120 Emergency Berm extending from Levee Mile12. 8. Preposition materials and initiate a standby contract to implement necessary actions. 3. Preposition needed material and equipment for construction of Lathrop Containment Berms. 4. Sign standby contract for construction of Mathew's Complex Emergency Berm.

C81 - RD 17 , Failure of Walthal Slough Dryland Levee
The general floodfight strategy is to floodfight Highway 120 and construct planned emergency berms. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Highway 120 Emergency Berms 2. Floodfight Highway 120. 3. Position equipment to make Relief Cut (not shown in this mapbook) at Levee Mile 1. 4 (Weston Ranch). 4. Construct Lathrop Containment Berms 5. Construct Sheriff s Complex Emergency Berm

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

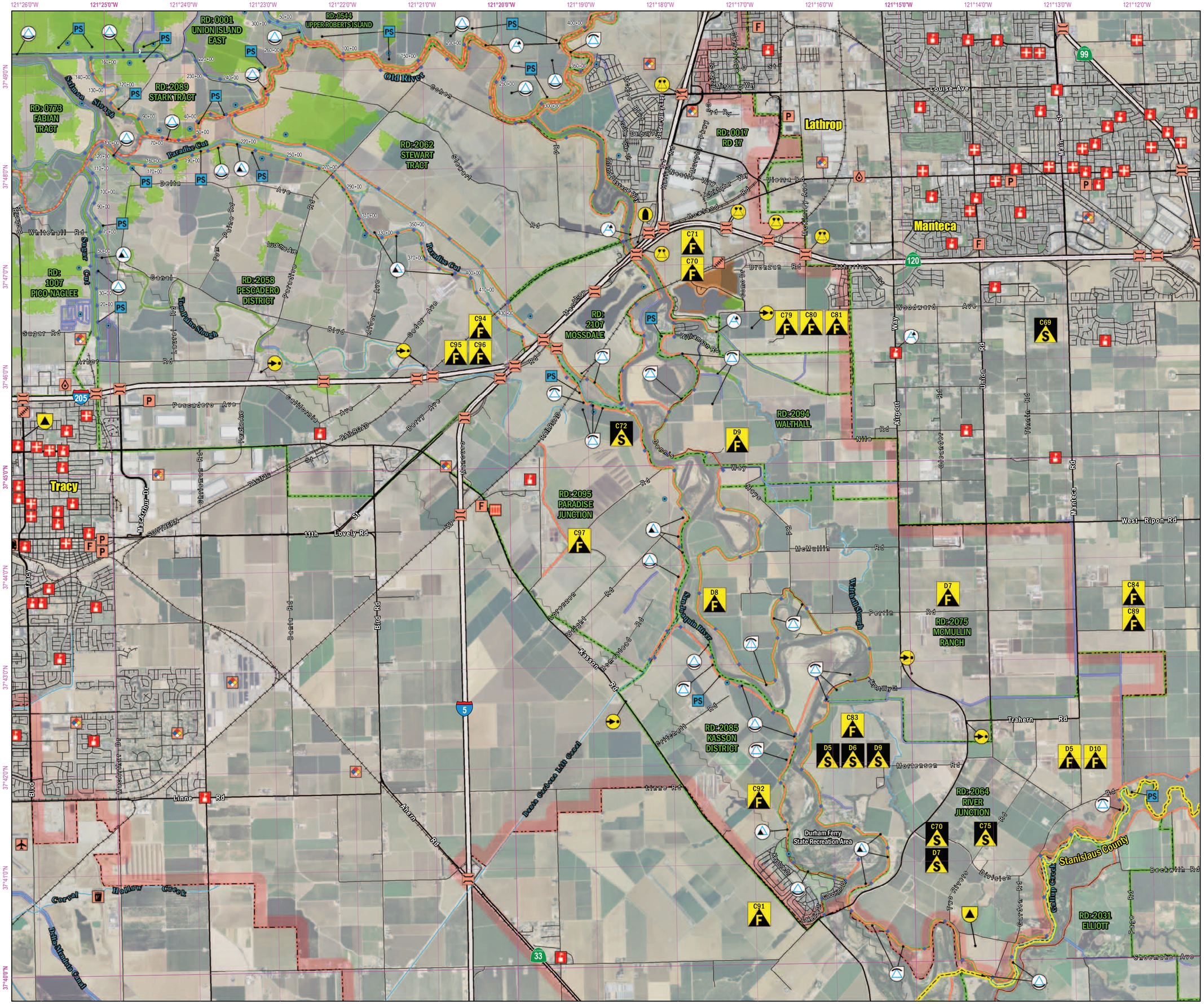
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS

Required	Have	Need

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					


RD: 0001 UNION ISLAND EAST
RD:0544 UPPER ROBERTS ISLAND
RD:2089 STARK TRACT
RD: 0773 FABIAN TRACT
RD:2062 STEWART TRACT
RD: 0017 RD 17
Lathrop
Manteca
RD: 1007 PICO-NAGLEE
RD:2058 PESCADERO DISTRICT
RD: 2107 MOSSDALE
RD:2094 WALTHALL
Tracy
RD:2095 PARADISE JUNCTION
RD:2075 MCMULLIN RANCH
RD:2085 KASSON DISTRICT
RD:2064 RIVER JUNCTION
RD:2031 ELLIOTT
Durham Ferry State Recreation Area
Stanislaus County
Old River
Paradise Cut
Grant Line Canal
Delta-Mendota Canal
Louise Ave
Woodward Ave
Atherton Dr
Manteca
West Ripon Rd
Beckwith Rd
Shoemake Ave
Trahern Rd
Perrin Rd
McMullin Rd
Linne Rd
Mountain House Pkwy
Banta Carbona Irr Canal
Sugar Cut
Tom Paine Slough
Salmon Slough
Corral Hollow Creek
Gulf Creek
Two Rivers Division
Lateral 2 Extension
Lateral 4
Lateral 5
Lateral 6
Lateral 7
Lateral 8
Lateral 9
Lateral 10
Lateral 11
Lateral 12
Lateral 13
Lateral 14
Lateral 15
Lateral 16
Lateral 17
Lateral 18
Lateral 19
Lateral 20
Lateral 21
Lateral 22
Lateral 23
Lateral

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
Deuel Vocational Institution; 23500 Kasson Road, Tracy, 37°44'37.835", 121°20'14.593"

Medical Care Facilities
Sutter Tracy Community Hospital; 1420 North Tracy Boulevard, Tracy, 37°44'37.848", 121°26'02.118"

Adult Care Facilities
VBR Foster Family Agency Inc; Tracy, 37°44'22.426", 121°25'35.394"
Tracy Convalescent Hospital, Tracy; 37°44'42.490", 121°26'02.146"

Schools
New Jerusalem Elementary; 31400 South Koster Rd., Tracy, 37°40'06.568", 121°19'27.984"
Jefferson; 7500 West Linne Rd., Tracy, 37°41'46.063", 121°23'54.127"
Anthony C. Traina Elementary; 1219 Whispering Wind Dr., Tracy, 37°42'01.691", 121°26'26.206"
Tom Hawkins Elementary; 475 Darlene Ln., Tracy, 37°42'21.055", 121°25'17.074"
Monticello Elementary; 1001 Cambridge Pl., Tracy, 37°42'25.202", 121°26'15.961"
Wanda Hirsch Elementary; 1280 Dove Dr., Tracy, 37°42'57.996", 121°26'27.194"
Gladys Poet-Christian Elementary; 1701 South Central Ave., Tracy, 37°43'10.562", 121°25'41.656"
South/West Park Elementary; 500 West Mt. Diablo Rd., Tracy, 37°43'43.974", 121°25'59.976"
Louis A. Bohn Elementary; 350 East Mt. Diablo, Tracy, 37°43'44.441", 121°25'13.751"
Montessori School Of Tracy; 100 S Tracy Blvd, Tracy, 37°43'45.856", 121°26'04.617"
Earle E. Williams Middle; 1600 Tennis Ln., Tracy, 37°43'51.884", 121°26'45.899"
Kindercare Learning Centers; 265 West Grantline Road, Tracy, 37°43'52.722", 121°25'49.072"
Louis J. Villalovoz Elementary; 1550 Cypress Dr., Tracy, 37°44'01.539", 121°26'41.751"
West Valley Christian Academy; 1790 Sequoia Blvd, Tracy, 37°44'19.323", 121°26'54.303"
West Park Elementary; 750 W. Tenth St., Tracy, 37°44'18.856", 121°26'08.902"
Excel High; 315 East 11Th St., Tracy, 37°44'23.346", 121°25'15.536"
St Bernard S School; 165 W Eaton Ave, Tracy, 37°44'36.599", 121°25'40.750"
Discovery Charter; 51 East Beverly Pl., Tracy, 37°44'43.438", 121°25'30.011"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Tracy Plant; 37°38'18.999", 121°20'49.996"

Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C91 - RD 2085, Failure of Primary Levees within San Joaquin River Club south of River Club Dryland Levee

This scenario will lead to flooding of San Joaquin River Club and northern end of district. The general floodfight strategy will be to expedite flow at north end of district near Banta-Carbona Canal in order to reduce flooding of property on higher ground to West and reduce levels of impounded floodwaters. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions

1. Make River Club Relief Cut (not shown in this mapbook), 2. Make Banta Carbona Relief Cut (not shown in this mapbook) 3. Repair Levee Breach 4. Plan for and install de-watering pumps

C92 - RD 2085, Failure of Primary Levee North of San Joaquin River Club

This scenario will lead to flooding of northern end of district with the possibility of backing floodwaters south into San Joaquin River Club. The general floodfight strategy will be to make a Relief Cut (not shown in this mapbook) to reduce level of impounded flood waters, prevent movement of floodwaters into San Joaquin River Club, and protect structures on West side of district.

Actions

1. Make Banta Carbona Relief Cut (not shown in this mapbook). 2. Organize and conduct flood fight operations on River Club Dry Land Levee 3. Evaluate threat to structures on West side and install emergency berms where appropriate

C97 - RD 2058/2095, Coral Hollow Creek flash Flood

This scenario will lead to flooding of district from the west with sheet flow. Floodwaters will threaten Duell Vocational Institute and will flow into Tom Paine Slough and travel northward. General floodfight strategy will be to pump floodwaters at existing pump station platforms near confluence of Paradise Cut and San Joaquin River.

Actions

Prioritized actions should be developed at later

D8 - RD 2064, 2075, 2094, 2096, Failure of Trahern Dryland Levee or RD 2075 Primary Levee

The general floodfight strategy will be to protect interior of district levees. Support activity by RD 17 to flood fights Woodward Dryland Levee on north side of RD 2094. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions

1. Position equipment to make Mizuno Farms Relief Cut (not shown in this mapbook). Upon failure of primary levee, make cut to just above water level of river. Monitor elevation of impounded floodwaters and complete cut when elevation of impounded waters reach elevation of river waters. 2. Protect interior slopes of district levees.

3. PLAN SUPPLY

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick Up Points
NO FEATURES ON THE MAP

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % TEMP hi ____ lo ____ WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

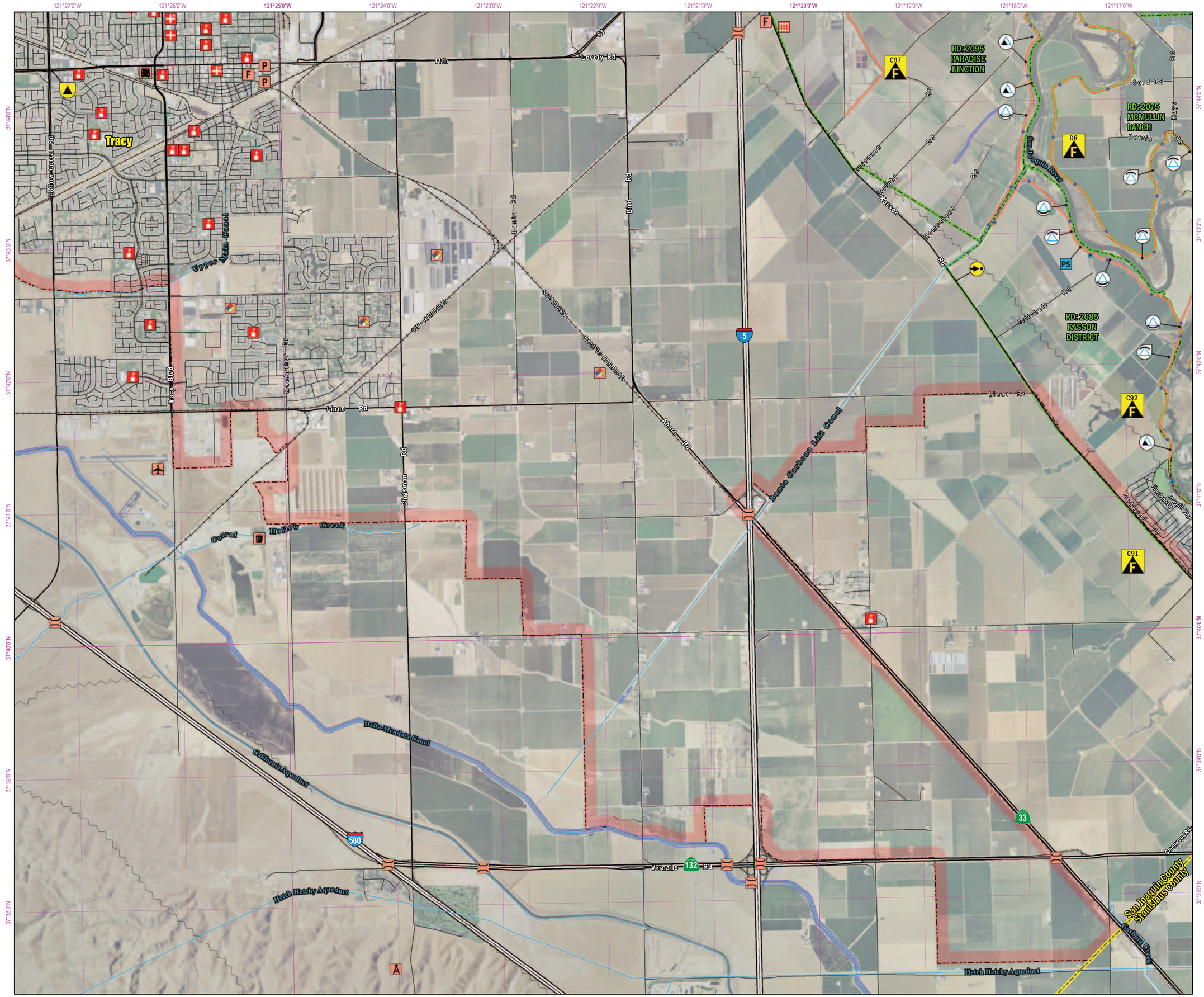
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

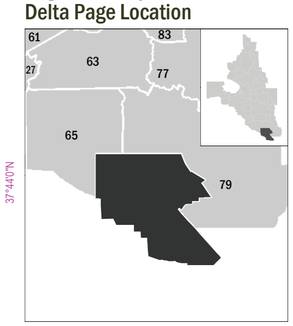
RESOURCE TOTALS
Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.

C77 - RD No. 524
San Joaquin River originally went through Burn's Cut levee. Creation of ship channel lowered 100-year flood flows through Bum's Cut too much below levee height. Potential for need for a relief cut at Burn's Cut would recommend the lowering of RD 524 at this location by 4 feet to facilitate implementation of relief cut. Potential need for a relief cut on south side of Bum's 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.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

D14 - Drexler Tract
The levee located along West Kingston School Road is filled with rodent burrows. The levee structural integrity has been diminished due to rodent burrows and may not provide flood protection if the island is subjected to flooding.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
Mc Kinley Avenue Guest Home; French Camp, 37°51'29.946", 121°16'26.846"
Sunrise Home; French Camp, 37°52'47.674", 121°17'31.913"
Schools
Lathrop Elementary; 15851 South Fifth, Lathrop, 37°49'06.560", 121°16'42.612"
Garden School; 37°50'04.568", 121°20'34.588"
Joseph Widmer Jr. Elementary; 751 Stonebridge Ln., Lathrop, 37°50'09.498", 121°16'43.930"
Delta Island Elementary; 11022 West Howard Rd., Stockton, 37°51'03.386", 121°26'48.343"
Fairchild School; 37°53'14.563", 121°20'30.523"
Kingston School; 37°54'16.732", 121°25'29.983"
Rindge School; 37°56'35.777", 121°31'52.417"
Holt Elementary; 1545 South Holt Rd., Stockton, 37°57'17.141", 121°25'19.848"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Wastewater Quality Control Facility; 2450 West Yosemite Avenue, Manteca, 37°47'51.029", 121°15'32.464"
Stockton STP Main Plant; 2500 Navy Drive, Stockton, 37°56'13.997", 121°19'29.989"
San Joaquin County Lincoln Village, Stockton; 37°59'49.988", 121°20'59.994"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

C74 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Upper Roberts District (RD 544)

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 floodfight 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. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook) one-quarter mile east of Natali Road; lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4. 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Rail Embankment & Highway 4 to Kingston School Responsible Agency: Drexler/Pocket Area Landowners 5. Floodfight Inland Drive/ Natali Road Dryland Levee from Kingston School to Middle River. 6. Make cut in Upper Robert Dry Land Levee to facilitate flow of water through Upper and Middle Roberts Districts to prevent ponding toward higher ground 7. Floodfight Waste Treatment Facility Levees

D13 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Middle Roberts District (RD 524)

This scenario will lead to flooding of Middle Roberts Island 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 floodfight strategy will be to prevent movement of floodwaters north and west into Drexler Tract and Lower Roberts District and south into Upper Roberts District. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook); lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4 . 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Railroad Embankment and Highway 4 to Kingston School 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Floodfight Upper Roberts Dry Land Levee 7. Floodfight Waste Treatment Facility Levees

D14 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Lower Roberts District (RD 684)

This scenario will lead to flooding of Lower Roberts Island with floodwaters moving to south and west. The general floodfight strategy will be to prevent movement of floodwaters south and west into Honker Lake and Middle Roberts District.

Actions
1. Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 2. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to Highway 4. 3. Prepare to floodfight Upper Roberts Dry Land Levee in event of flooding of Middle Roberts Island 4. Prepare to floodfight Waste Treatment Facility

D16 - Drexler Tract & Honker Lake, Failure of Primary Levee on RD 2038 (Lower Jones Tract) or RD 2039 (Upper Jones Tract)

This scenario will lead to flooding of Upper and Lower Jones Tracts with the risk of overtopping of Trapper Slough Levee and movement of water into areas south of the Jones Tracts. The general floodfight strategy will be to prevent southward movement of floodwaters.

Actions
1. Floodfight Trapper Slough Levee and raise if necessary. Other actions to be developed at later date.

See complete Flood Contingency Options list in index.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County; *925.646.4461* Office, *925.228.5000* 24 Hour
Sacramento County; *916.874.4670* Office, *916.875.5000* Night, *916.875.6900* Night
San Joaquin County; *209.953.6200* Office, *209.468.4400* Emergency
Solano County; *707.784.1600* Office, *707.421.7090* Night
Yolo County; *530.406.4930* Office, *530.666.8920* 24 Hour

San Joaquin County Office of the Sheriff
209.468.4400 General Information (24 hrs), *209.468.4421* Emergency

State Emergency Contacts
DWR Flood Operations Center; *800.952.5530*
State Water Project; *916.574.2714*
Governor's OES; *916.845.8911*

Reclamation Districts
RD 2021; Robert Calone, *925.432.3300*
Atlas Tract (RD 2126), Bishop Tract (RD 2042), Fabian Tract (RD 773), Fay Island (RD 2113), McMullin Ranch (RD 2075), Rough And Ready Island (RD 403); Chris Neudeck, Bus *209.946.0268*, Bus Cell *209.481.0316*
Bacon Island (RD 2028), Canal Ranch (RD 2086), Little Mandeville Island (RD 2118), Medford Island (RD 2041), Rindge Tract (RD 2037), King Island (RD 2044), Stewart Tract (RD 2062); Gilbert Cosio, Bus *916.456.4400*
Boggs Tract (RD 404), Holt Station (RD 2116), Pico-Naglee (RD 1007), Terminous Tract (RD 548), Upper Jones Tract (RD 2039), Weber Tract (RD 828); Tom Rosten, Bus *209.836.0829*, Bus Cell *209.482.3642*
Brack Tract (RD 2033); Eric Merlo, *209.465.9022*
Drexler Tract; David Flinn, *415.957.1800*
Empire Tract (RD 2029); John Rocha, Bus *209.477.6740*, Bus Cell *209.609.5375*
Kasson District (RD 2085); District Office, *209.472.7700*
Lower Jones Tract (RD 2038), Lower Roberts Island (RD 684), Woodward Island (RD 2072); Dominic Gulli, Bus *209.478.6525*, Bus Cell *209.649.4555*
Mandeville Island (RD 2027), Wright-Elmwood Tract (RD 2119); Dante Nomellini, Bus *209.465.5883*, Bus Cell *209.969.7755*
McDonald Island (RD 2030), Stark Tract (RD 2089), Union Island East (RD 1), Union Island West (RD 2); Stephen Sinnock, Bus *209.479.1957*
Middle Robert Island (RD 524); John B. Rudquist, *209.948.0434*
Mossdale (RD 2107); Rudy Dell'Osso, *209.982.0833*
New Hope Tract (RD 348); Henry Matsunaga, Bus *916.441.6850*, Bus Cell *916.417.5715*
Paradise Junction (RD 2095); District Office, *209.946.0268*
Pescadero District (RD 2058); Chad Tieken, *209.847.8726*
Rio Blanco Tract (RD 2114); District Office, *209.478.0844*
River Junction (RD 2064); District Office, *209.602.3474*
Sargent-Barnhart Tract (RD 2074); Anthony Lopes, Bus *209.943.2021*, Bus Cell *209.631.2025*
Shima Tract (RD 2115); John C. Kelley, Jr., *209.477.1207*
Smith Tract (RD 1614), Smith Tract (RD 1608); Jean Knight, *209.951.0604*, *209.948.8200*, Joe Bryson, *209.298.3307*
Staten Island (RD 38); Gil Labrie, Bus *916.776.2277*, Bus Cell *707.486.5774*
Tinsley Island (RD 2108); District Office, *415.820.3715*
Upper Roberts Island (RD 544); Jerry Robinson, Bus *209.466.7915*, Bus Cell *209.471.4025*
Venice Island (RD 2023); J. Philip Dinapoli, *408.998.2460*
Victoria Island (RD 2040); Graydon Nichols, *209.584.6811*
Walthall (RD 2094); Al Warren Hoslett, *209.943.5551*
Wetherbee Lake (RD 2096); Richard Corkins, *209.832.4829*, *209.239.0147*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 37°50'36.964", 121°32'17.164"
Transfer Pick Up Point; 37°53'00.445", 121°27'25.422"
Stockton Metropolitian; 5000 S. Airport Way, Stockton, 37°53'12.681", 121°14'33.385"
Transfer Pick Up Point; 37°53'28.433", 121°29'24.239"
Transfer Pick Up Point; 37°58'45.430", 121°21'09.717"

Rally Points
Rally Point; 37°50'35.824", 121°32'15.928"

Shelters
Mass Care Shelter; 37°58'44.015", 121°21'09.223"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
Stockton; 3201 W Benjamin Holt Dr, Stockton, CA 95219 *209.951.8050*
Tracy; (Van's Ace) 2695 N Tracy Blvd, Tracy, CA 95376 *209.835.8286*

Lowe's
Stockton; 10342 Trinity Pkwy, Stockton, CA 95219 *209.513.9843*

Home Depot
Tracy; 2461 Naglee Rd, Tracy, CA 95304 *209.834.8975*

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)
MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.
MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category
ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

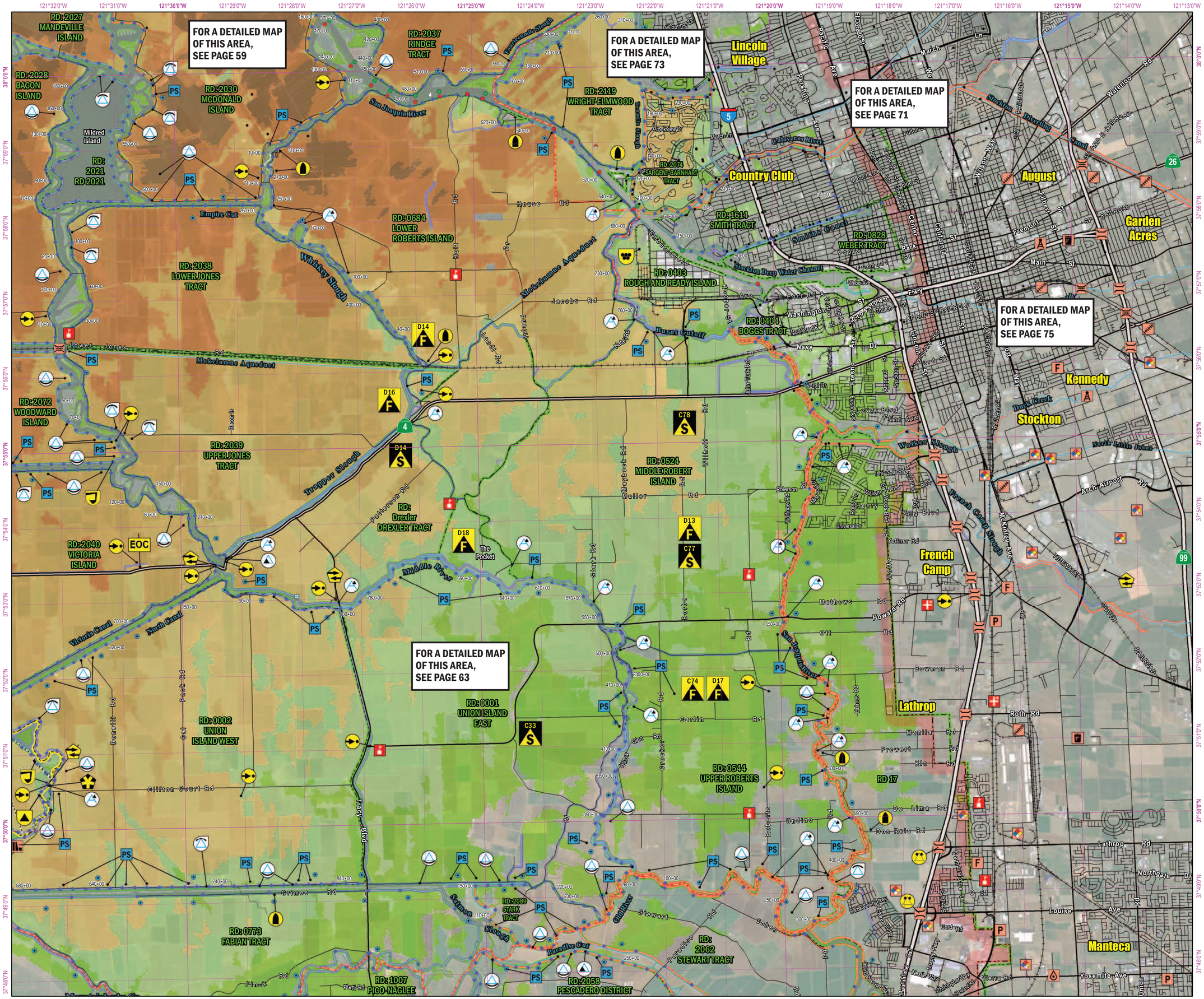
DEVELOPED FROM ICS FORM 215

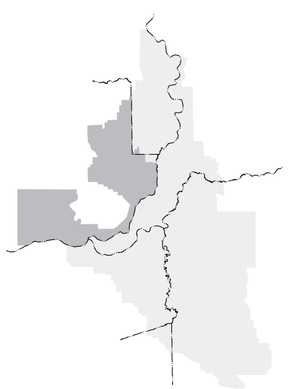
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES (Required / Have / Need)						
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS
Required | Have | Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				


FOR A DETAILED MAP OF THIS AREA, SEE PAGE 59
FOR A DETAILED MAP OF THIS AREA, SEE PAGE 73
FOR A DETAILED MAP OF THIS AREA, SEE PAGE 71
FOR A DETAILED MAP OF THIS AREA, SEE PAGE 75
FOR A DETAILED MAP OF THIS AREA, SEE PAGE 63
RD: 2027 MANDEVILLE ISLAND
RD: 2028 BACON ISLAND
RD: 2030 MCDONALD ISLAND
RD: 2037 RINDGE TRACT
RD: 2119 WRIGHT-ELMWOOD TRACT
RD: 2074 SARGENT-BARNHART TRACT
RD: 1614 SMITH TRACT
RD: 0828 WEBER TRACT
RD: 0684 LOWER ROBERTS ISLAND
RD: 0403 ROUGH AND READY ISLAND
RD: 0404 BOGGS TRACT
RD: 2038 LOWER JONES TRACT
RD: 2072 WOODWARD ISLAND
RD: 2039 UPPER JONES TRACT
RD: 2040 VICTORIA ISLAND
RD: 0524 MIDDLE ROBERT ISLAND
RD: Drexler DREXLER TRACT
RD: 0001 UNION ISLAND EAST
RD: 0002 UNION ISLAND WEST
RD: 0544 UPPER ROBERTS ISLAND
RD: 0773 FABIAN TRACT
RD: 2089 STARK TRACT
RD: 2062 STEWART TRACT
RD: 1007 PICO-NAGLEE
RD: 2058 PESCADERO DISTRICT
RD 17
RD: 2021 RD 2021
Mildred Island
Lincoln Village
Country Club
August
Garden Acres
Kennedy
Stockton
French Camp
Lathrop
Manteca
Yosemite Lake
San Joaquin River
Middle River
Victoria Canal
North Canal
Empire Cut
Whiskey Slough
Mokelumne Aqueduct
Burns Cutoff
Trapper Slough
Paradise Cut
Old River
Walker Slough
Dutch Creek
Smith Canal
Stockton Deep Water Channel
Calaveras River
Duck Creek
French Camp Slough
Walnut Grove-Thornton Rd
Lower Jones Rd
House Rd
Jacobs Rd
Holt Rd
Bacon Island Rd
Peters Rd
Bouldin Island
Webb Tract
Holland Tract
Bethel Island
Byron Tract
Veale Tract
Roberts Island
Union Island
Lost Slough
Fabian Tract
Pescadero Tract
Stewart Tract
Tracy Blvd
Grant Line Rd
Eight Mile Rd
Arch Airport Rd
Lathrop Rd
Louise Ave
Yosemite Ave
Navy Dr
Lower Sacramento Rd
Pacific Ave
Wilson Way
Center St
California St
Fremont St
Main St
Hazelton Ave
Fresno Ave
Yosemite Lake
Stockton Diverting Canal
Sacramento Southern Railroad
Atchison Topeka & Santa Fe Railroad
Southern Pacific Railroad
Waterloo Rd
March Ln
Eldorado St
Pershing Ave
Mariposa Rd
Brookview Dr
Mount Diablo Ct
Cherokee Ln
Park St
Poplar St
Weber Ave
Hazelton St
Wilson Way
Grant Line Rd
Mathews Rd
Howard Rd
Ott Rd
Bowman Rd
Carlia Rd
Manlia Rd
Frewert Rd
Kilo Rd
De Lima Rd
Dos Reis Rd
Undine Rd
Roth Rd
Thornton Rd
Glasscock Rd
Clifton Court Rd
Crimes Rd
Fines Rd
Plain Rd
Patterson Rd
Muller Rd
Meyers Rd
Whitlock Rd
Roberson Rd
Willis Rd
Willow Glen Rd
Stark Rd
Bethel Rd
Peck Rd
Orwood Rd
Bouldin Island Rd
Mokelumne Aqueduct
Jacobs Rd
Lovelace Rd
Walnut



Solano County

Symbol	Feature	Label
	County Boundary	Sacramento County
	Legal Delta Boundary	
	Reclamation District Boundary	**2130** HONKER BAY
	Populated Place	**Concord**
	Contra Costa Map Page Focus Area	**13**
	Other Map Page Focus Area	**43**

N
5 Miles

MOSKOWITE CORNER
Moskowite Reservoir
Lake Berryessa
SILVERADO RESORT
Capell Creek
Milliken Creek
Milliken Reservoir
Suisun Creek
Lake Curry
Sarco Creek
NAPA
Lake Madigan
Lake Frey
Suisun Reservoir
Napa County
Solano County
Knoxe Creek
Soscol Creek
GREEN VALLEY
Fagan Creek
AMERICAN CANYON
Lake Chabot
VALLEJO
Napa River
Swanzy Reservoir
Lake Herman
BENICIA
CROCKETT
RODEO
Carquinez Straight
ALLENDALE
HARTLEY
Ulatis Creek
Putah South Canal
DIXON
Stevens Creek
ELMIRA
VACAVILLE
Laguna Creek
Lagoon Lake
FAIRFIELD
SUISUN CITY
Duck Slough
Hill Slough
Barton Slough
Spring Branch
Sheldrake Slough
Cutoff Slough
Cat Slough
Montezuma Slough
Wells Slough
Cross Slough
Suisun Slough
Nurse Slough
SUISUN MARSH
Grizzly Bay
Suisun Bay
Mokelumne Aqueduct
Pacheco Creek
MARTINEZ
VINE HILL
BAY POINT
PITTSBURG
Contra Costa County
Solano County
Sacramento County
Yolo County
RIO VISTA
Sacramento River
DECKER ISLAND
Seasonal Lake
Shag Slough
Cache Slough
Lindsey Slough
Prospect Slough
Elk Horn Slough
Dutch Slough
Winchester Lake
Stone Lake
Deck Slough
Sac River Deep Water Canal
North Mokelumne River
San Joaquin River
ISLETON
CLARKSBURG
COURTLAND
WALNUT GROVE
SACRAMENTO

87
2068 YOLANO
2098 CACHE HAAS AREA
2104 PETERS POCKET
89
2093 LIBERTY ISLAND
93
2060 HASTING TRACT
0536 EGBERT TRACT
91
0501 RYER ISLAND
2084 EGBERT TRACT
95
97
99
1607 VAN SICKLE ISLAND
101
2034
2136 GRIZZLY WEST
2129 FROST LAKE
0146
113
0999 NETHERLANDS
109
0307 LISBON DISTRICT
0765 GLIDE DISTRICT
0673
33
2022
0744
0150 MERRITT ISLAND
35
111
HOOD
37
0551 PIERSON DISTRICT
1002 GLANVILLE
0349 SUTTER ISLAND
41
0003 GRAND ISLAND
0348 NEW HOPE TRACT
43
2086 CANAL RANCH
53
0563 TYLER ISLAND
0038 STATEN ISLAND
2033 BRACK TRACT
45
0317 BRANNAN ISLAND
0548 TERMINOUS TRACT
TERMINOUS
1601 TWITCHELL ISLAND
0756 BOULDIN ISLAND
55
17
2059 BRADFORD ISLAND
2026 WEBB TRACT
2023 VENICE ISLAND
2029 EMPIRE TRACT
57
0341 SHERMAN ISLAND
47
9
0830 JERSEY ISLAND
19
1619 BETHEL ISLAND
2027 MANDEVILLE ISLAND
2030 MCDONALD ISLAND

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.

E2 - Levee Depression
A depression in a levee caused by New Delhi Road crossing at Cache Slough can be vulnerable to an overtopping event. This levee serves as the western bank of the Yolo Bypass. The depression located at Cache Slough and Delhi Rd should be monitored for threats associated with overtopping at this location when flooding is present in the Yolo Bypass.

E3 - Rural Flooding
If the western bank of the Yolo Bypass levee fails near Cache Slough as a result of high water in the Yolo Bypass, 50 to 60 homes are subject to flooding. Temporary storage of floodwaters from the Dixon Regional Watershed can be stored at farm units to prevent localized flooding.

E4 - Dixon Back Waters
The entire rural area between the City of Dixon and the Yolo Bypass is subject to flooding. Heavy rain followed by sheet flow across the rural area, (flowing northwest to southeast) can cause minor to major flooding. If conditions continue to threaten life, safety and property, rural populations may need to evacuate to higher grounds located near the City of Dixon.

E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach FT.

E10 - Yolo Bypass
The Yolo Bypass is one of two flood bypasses in the Sacramento Valley located in Yolo and Solano Counties. It protects Sacramento and other riverside communities from flooding through a system of weirs. These weirs connect the bypass to the Sacramento River as well as to various local creeks where the water is eventually drained into the Sacramento-San Joaquin River Delta. During wet years, the bypass can be completely full of water. The main input to the bypass is through the passive Fremont Weir, where water spills over into the bypass if it reaches the 33.5 FT crest. Downstream, the Sacramento Weir, just north of the city of West Sacramento, can also be opened to divert additional waters to protect Sacramento and West Sacramento if needed. The bypass ends a few miles north of Rio Vista in the Liberty Farms area, where the bypass joins first Prospect Slough and then Cache Slough adjacent to the connection of the Sacramento Deep Water Ship Channel. Cache Slough then reconnects with the Sacramento River just North of Rio Vista.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
Cherry Street Residence Club; Dixon, 38°26'27.400", 121°49'29.384"
Schools
Maine Prairie School; 38°19'46.303", 121°47'08.952"
Neighborhood Christian School; 655 South 1St St, Dixon, 38°26'25.038", 121°49'20.568"
Dixon High; 455 East A St., Dixon, 38°26'44.525", 121°49'04.665"
C. A. Jacobs Intermediate; 200 North Lincoln St., Dixon, 38°26'47.505", 121°50'10.528"
Dixon Montessori Charter; 415 East C St., Dixon, 38°26'51.364", 121°49'04.802"
Maine Prairie High (Continuation); 275 East C St., Dixon, 38°26'51.721", 121°49'12.465"
Tremont Elementary; 355 Pheasant Run Dr., Dixon, 38°26'53.163", 121°50'40.383"
Silveyville Primary; 355 North Almond St., Dixon, 38°26'53.012", 121°50'02.645"
Tremont School; 38°27'08.833", 121°47'09.446"
Gretchen Higgins Elementary; 1525 Pembroke Way, Dixon, 38°27'43.453", 121°49'43.886"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Easterly Wastewater Treatment Plant; 6040 Vaca Station Road, Elmira, 38°20'43.006", 121°54'10.003"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
Rally Point; 38°24'38.128", 121°42'21.632"
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

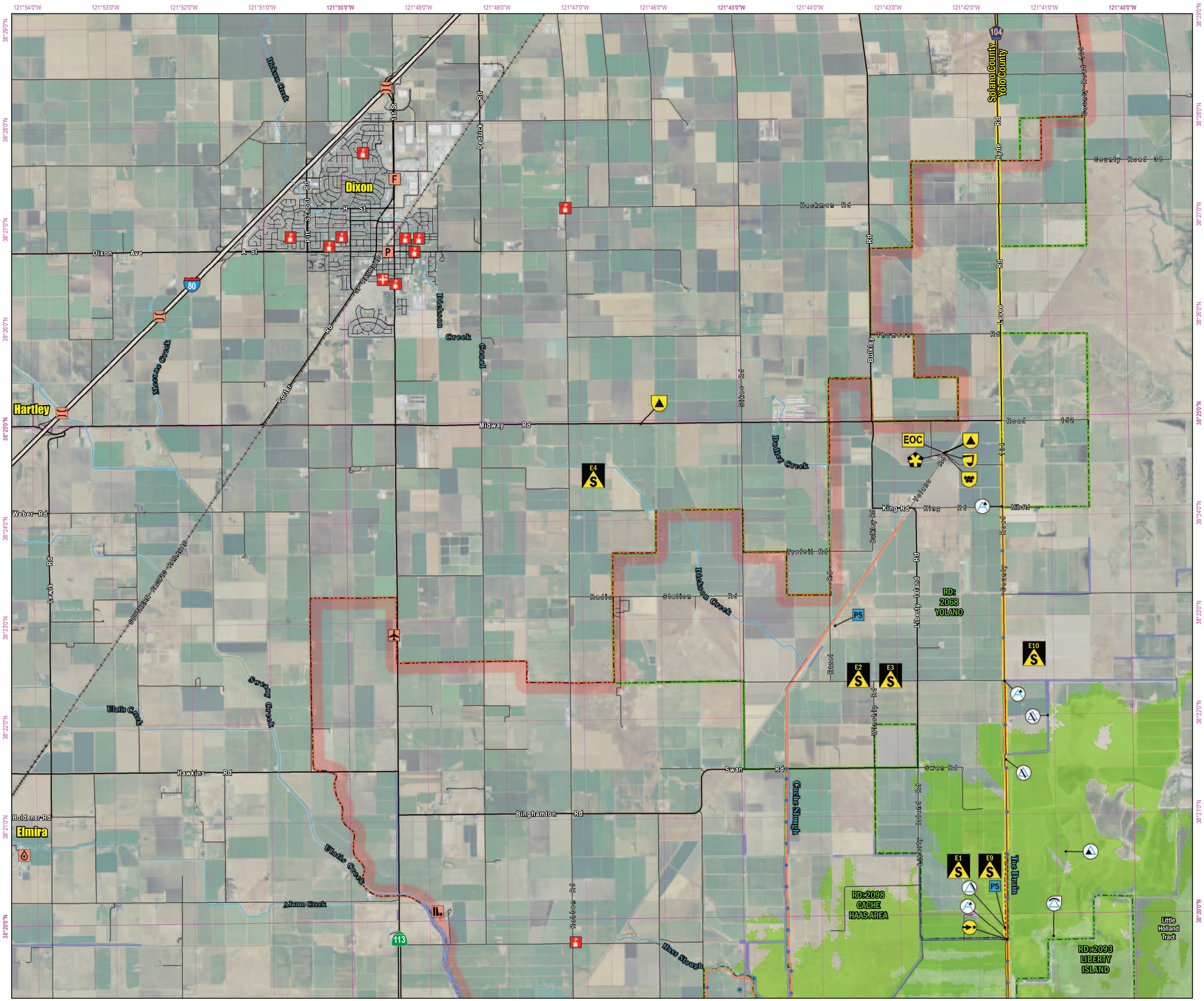
BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

RESOURCE TOTALS

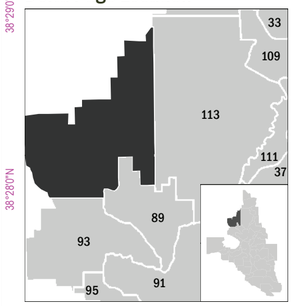
Required	Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10 | Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:48,000
1"=4,000 feet

N

feet 0 — 4,000
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.

E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.

E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.

E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.

E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.

E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach FT.

E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.

E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.

E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
NO FEATURES ON THE MAP

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'51.581", 121°42'09.684"
Rally Points
Rally Point; 38°14'48.011", 121°42'09.299"
Rally Point; 38°16'46.663", 121°44'31.078"
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

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MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
ACTION STAGE	ACTION STAGE	ACTION STAGE
NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

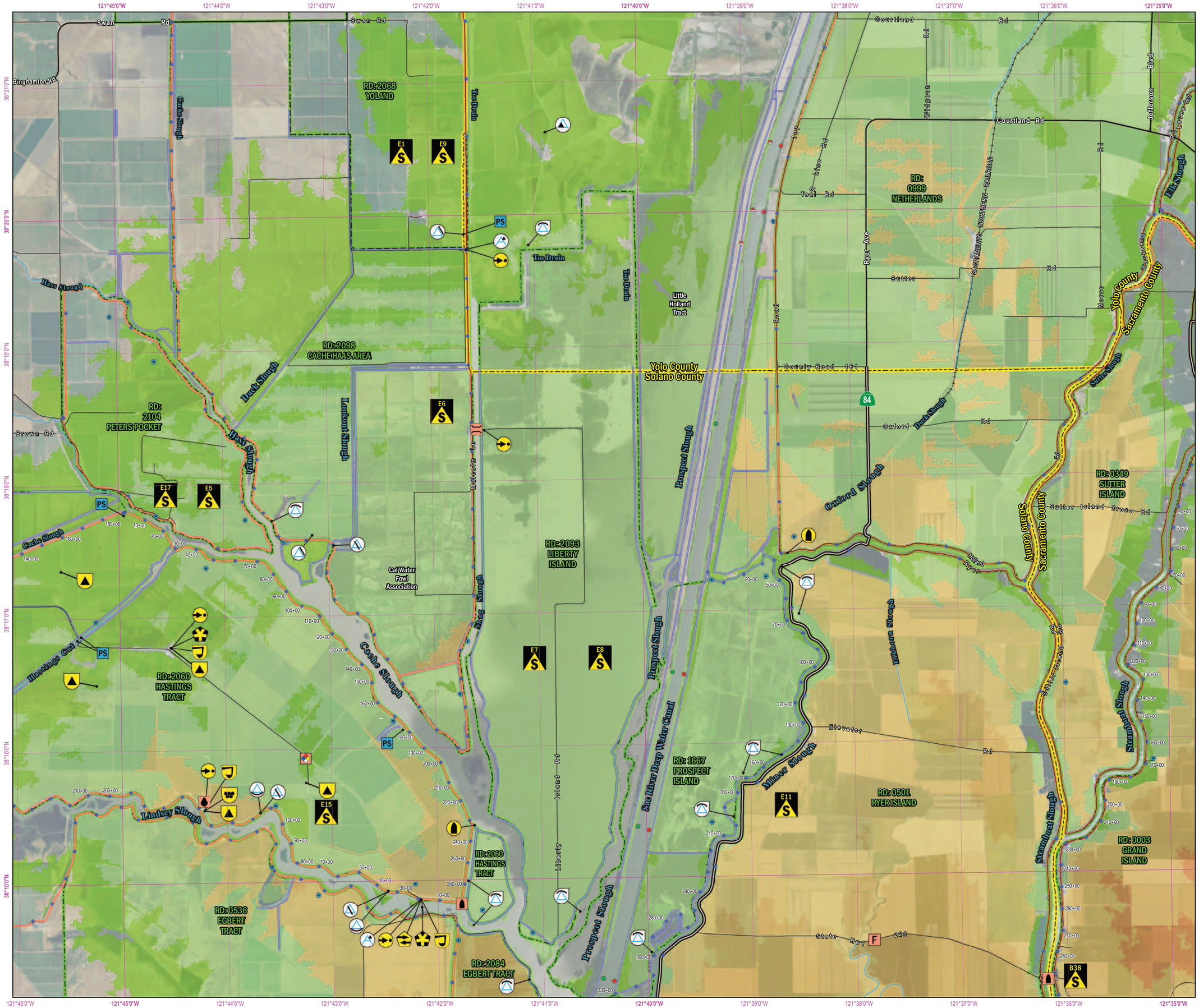
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



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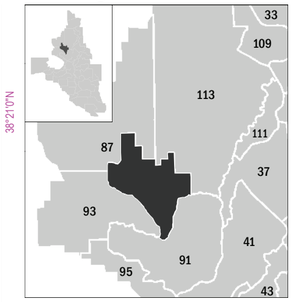


FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

feet 0 3,000
miles 0 0.5 1

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.

E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.

E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.

E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

*Record additional Special Flood Considerations on the lines provided below. Please submit additional information to **DeltaNews@usace.army.mil**.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Rio Vista & Blackhawk Venture; 6001 Airport Road, Rio Vista, 38°11'39.444", 121°42'48.246"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

*Record additional Flood Contingency Options on the lines provided below. Please submit additional information to **DeltaNews@usace.army.mil**.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'51.581", 121°42'09.684"
Rally Points
Rally Point; 38°14'48.011", 121°42'09.299"
Rally Point; 38°16'46.663", 121°44'31.078"
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio — NOAA's National Weather Service

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

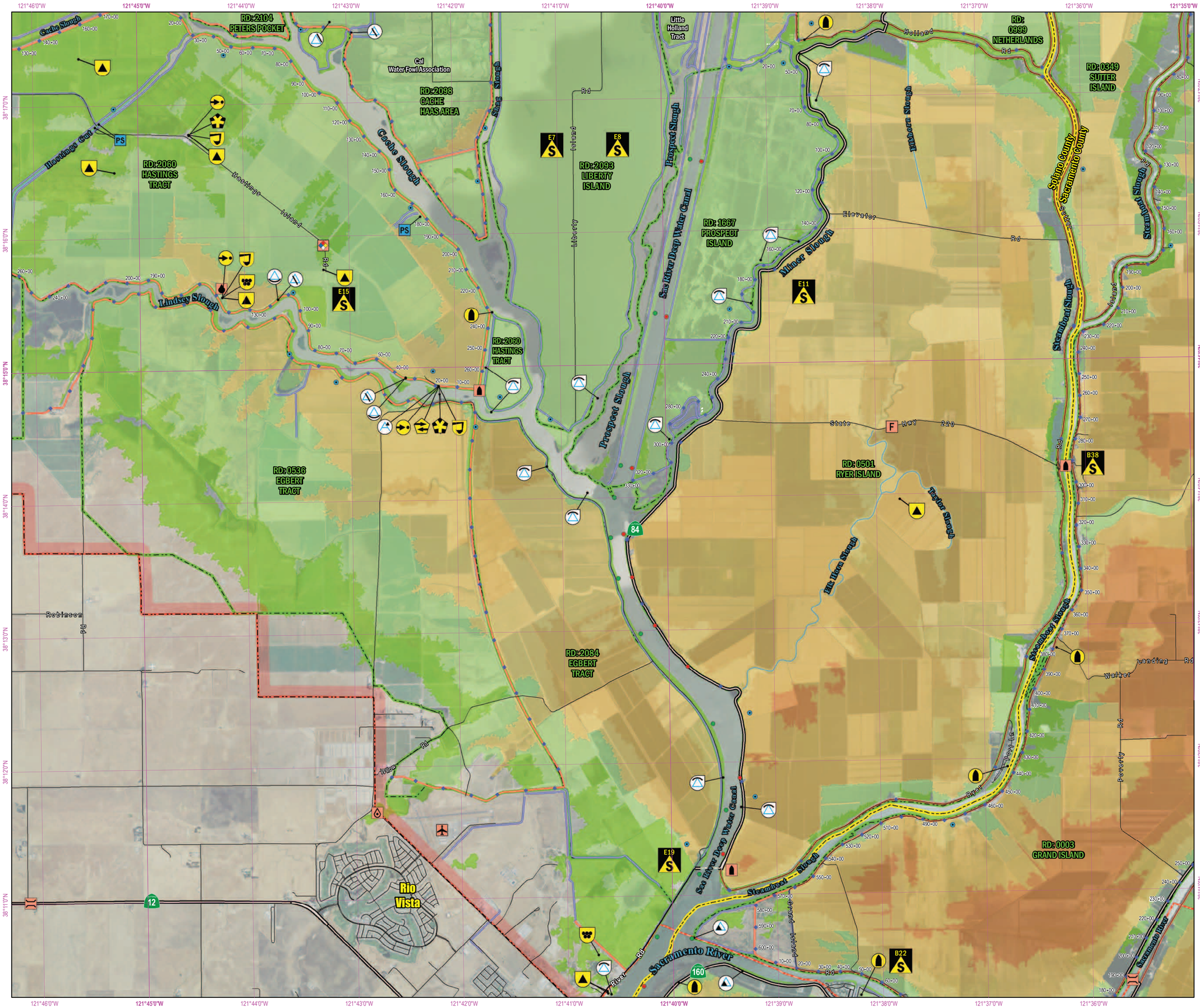
DEVELOPED FROM ICS FORM 215

BRANCH						
DIVISION, GROUP, OTHER						
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS						
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1						
2						
3						
4						
5						
6						
7						
8						
REPORTING LOCATION						
REQUESTED ARRIVAL TIME						

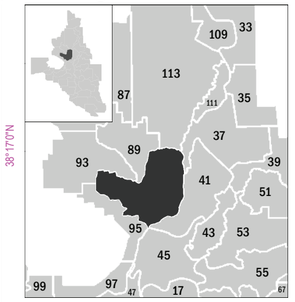
RESOURCE TOTALS Required / Have / Need

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.

E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.

E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.

E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.

E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Rio Vista & Blackhawk Venture; 6001 Airport Road, Rio Vista, 38°11'39.444", 121°42'48.246"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
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Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
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Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
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Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'51.581", 121°42'09.684"
Transfer Pick Up Point; 38°17'06.644", 121°47'45.399"

Rally Points
Rally Point; 38°14'48.011", 121°42'09.299"
Rally Point; 38°16'46.663", 121°44'31.078"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

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8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
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CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio — NOAA's National Weather Service

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

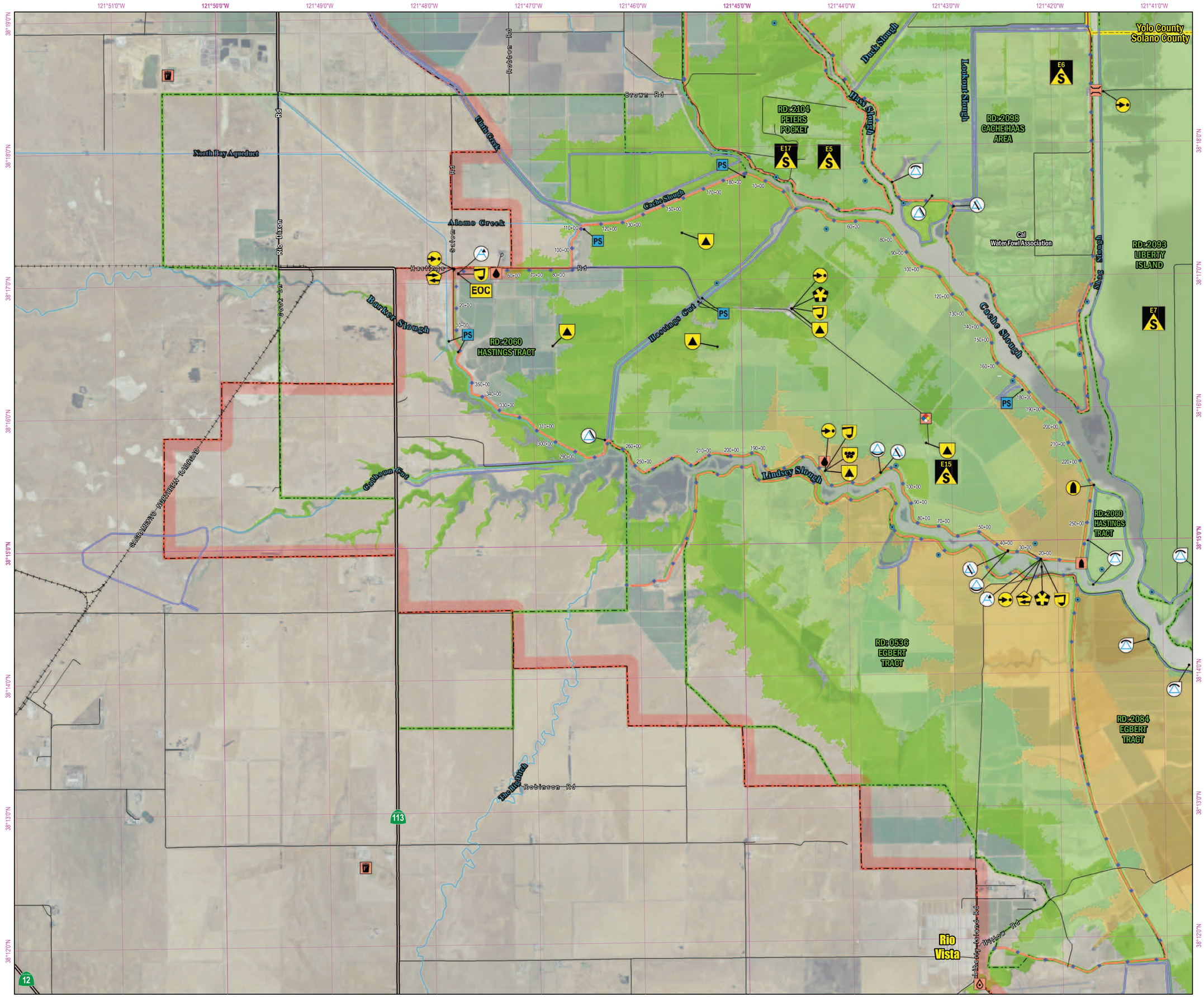
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

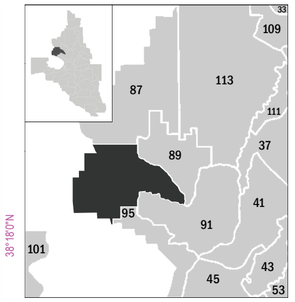
RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Solano



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

feet 0 3,000

miles 0 0.5 1

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B20 - Highway 12 Grade
California Highway 12 traversing Brannan Island RD 317 is at grade and may be effected any combination of levee failures. The highway also transects the lower elevations of the island. Some areas of Highway 12 or approx. 15 FT below sea level.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
Delta Rose Residence RCFC; Rio Vista, 38°09'12.310", 121°41'38.098"

Schools
Riverview Middle; 525 South Second St., Rio Vista, 38°09'08.643", 121°41'40.460"
Rio Vista High; 410 South Fourth St., Rio Vista, 38°09'14.795", 121°41'48.480"
River Delta High/Elementary; 445 Montezuma, Rio Vista, 38°09'25.960", 121°41'40.296"
D. H. White Elementary; 500 Elm Way, Rio Vista, 38°09'54.470", 121°41'36.670"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
City of Rio Vista; 1000 Beach Drive, Rio Vista, 38°08'57.945", 121°41'40.021"
Rio Vista & Blackhawk Venture; 6001 Airport Road, Rio Vista, 38°11'39.444", 121°42'48.246"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick Up Points
Transfer Pick Up Point; 38°14'51.581", 121°42'09.684"

Rally Points
Rally Point; 38°14'48.011", 121°42'09.299"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
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3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

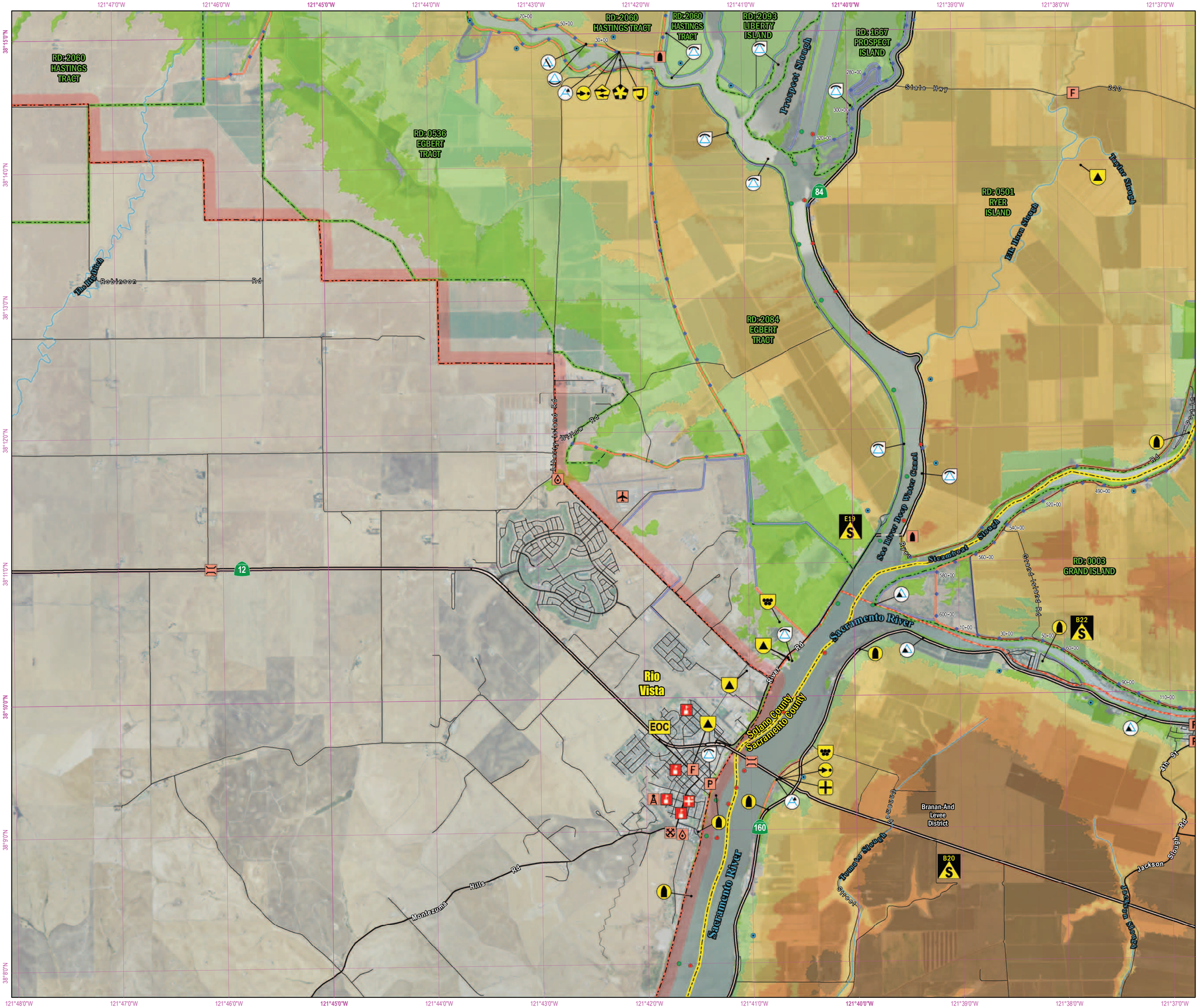
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

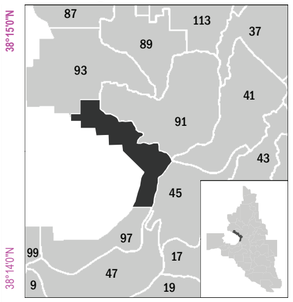
							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F — Flood Contingency Option
- C114 S — Special Flood Consideration
- EOC — Emergency Operations Center
- JFO — Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C — Emergency Workers Camp
- Proposed Levee Relief Cut
- H — Helipad
- Proposed Temporary Barriers Waterway
- B — Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS — Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 — 3,000
miles 0 — 0.5 — 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.

B25 - RD 341
The southern levee on the San Joaquin River side failed and flooded the island on January 20, 1969. Upon finding the break, a large quantity of rock was placed on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tidal movement. Without placement of the rock, the break, which was approximately 275 feet wide and about 45 feet below mean sea level, would have been greatly enlarged. After the break, the water inside the island equalized with San Joaquin River heights. The floodwaters incised a deep channel on the waterside/landside toe of the levee at the site of the break. USACE repaired, re-sloped, and re-graded the levee break area after the 1969 break.

B26 - RD 341
Serious levee breach and major flooding of RD 341 occurred during 1904 when a crevasse opened on Mayberry Slough. Floodwaters again inundated the Island in *1906, 1909* and most recently on January 20, 1969, when a Sherman Island levee failed during storm.

B28 - Sherman Island
Sherman Island is located at the confluences of the Sacramento and San Joaquin River. The 14,000-acre island has numerous lifelines that pass across, under and over the island. Natural gas pipelines, regional electricity transmission lines, two deepwater shipping channels run alongside it, and Highway 160 (a link between major expressways Hwy 80 and 4, and a Éshort-cutÉ to Sacramento) all transect the island.

B29 - RD 341
Along West Sherman Island Road, on the east side of Sherman Lake the weakest point of the levee exists and is susceptible to breaching.

B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.

B31 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on Sherman Island near East Levee Road along the San Joaquin River.

B32 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on West Sherman Island Road along the Sacramento River between Station 700+00 and 720+00.

B33 - RD 341
Entrance to Mayberry Slough is not accessible by a rock barge as the water level is too shallow.

B34 - RD 341
In 1990 a drainage system was installed on the landside levee berm to control seepage from station 410+00 to 480+00. Occasional boils and/or sinkholes have developed and been repaired in the area between 410+00 and 440+00.

B35 - RD 341
A sand boil occurs repetitively on West Sherman Island Road between Station 700+00 and 730+00.

B36 - RD 341
The southern levee on the San Joaquin River, a 60 FT hole exists at the weakest point of the levee. The levee has visible cracking.

B37 - RD 341
The center of Sherman Island is approximately 20' - 30' below sea level. Any failure of the levee system surrounding the island would result in major flooding of the entire island and the closure of Highway 160.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Antioch Christian Tutorial Elem/High; 405 W 6Th St., Antioch, 38°00'49.781", 121°48'43.764"
Martin Luther King School; 38°00'53.009", 121°52'14.179"
Delta Christian High School; 625 W 4Th St., Antioch, 38°00'54.917", 121°48'52.800"
Bridges; 1023 West Second St., Antioch, 38°01'01.303", 121°49'08.181"
Prospects High School; 820 2Nd St., Antioch, 38°01'02.210", 121°49'00.106"
Willow Spring School; 38°07'50.077", 121°52'26.099"

CRITICAL INFRASTRUCTURE

Public Water Facilities
Pittsburg Treatment Plant; 38°01'59.998", 121°48'00.011"

Waste Water Facilities
Delta Diablo Sanitation District; P.O. Box 929, Antioch, 38°00'42.009", 121°48'23.988"
Delta Diablo Sanitation District; 2500 Pittsburg-Antioch Highway, Antioch, 38°01'00.012", 121°50'30.001"
City of Antioch WTP; 425 Fulton Shipyard Rd, Antioch, 38°01'00.012", 121°48'00.011"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.

Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

B14 - RD 341, Failure of the Southern Levee on RD 341
The general floodfight strategy is to place a large quantity of rock on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tide.

Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
Antioch/Pittsburg, 100 I St., Antioch, 38°01'03.720", 121°48'57.689"

Rally Points
Rally Point; 38°02'33.918", 121°41'32.688"
Rally Point; 38°05'20.498", 121°42'21.220"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571 *707.374.5127*
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616 *530-406-4200*
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678 *916.645.4800*
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864 *916.484.3011*

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571 *707.374.6964*
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901 *415.459.7740*
Syar Industries; 16560 County Rd 89, Esparto, CA 95653 *530.787.2020*
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591 *707.643.3261*

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901 *530.743.6111*
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901 *530.749.1230*
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742 *916.351.0123*
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742 *916.985.2052*

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826 *916.361.5000*
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826 *916.386.6905*
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695 *530.661.4290*

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

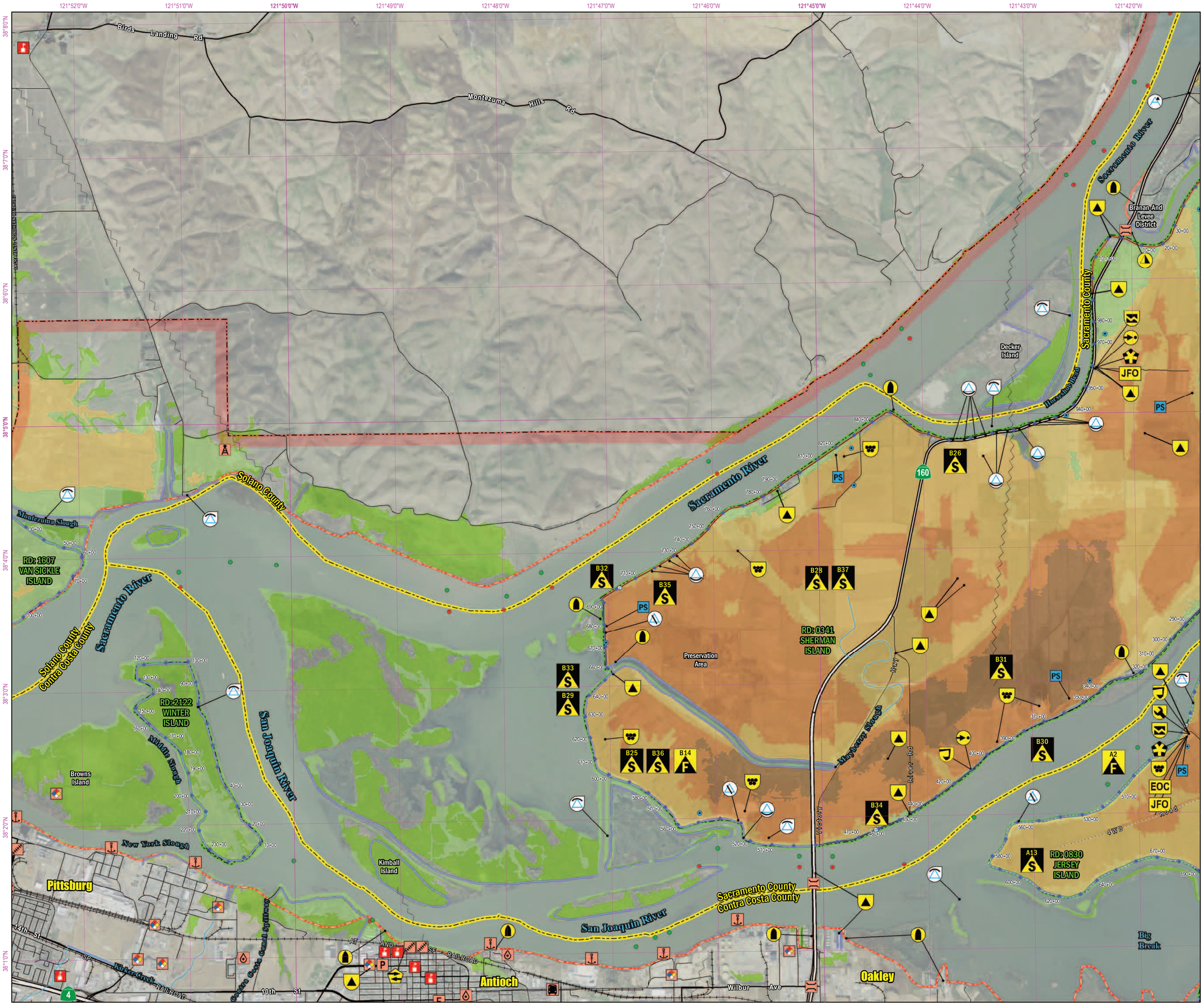
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

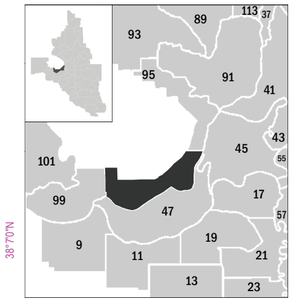
							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:36,000
1"=3,000 feet

N

feet 0 3,000

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

A3 - Dow Chemical Plant
Dow Chemical's Pittsburg plant is the largest integrated chemical complex of its kind on the West Coast. The plant has both manufacturing and research facilities with many hazardous chemicals. At Dow Chemical approx. 600 employees are located onsite, and provide their own fire brigade, security team, and medical facilities. In the event of an emergency or to monitor the status of any on-site emergency, call (925) *432 5500*.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
NO FEATURES ON THE MAP

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
City of Pittsburg; P.O. Box 1518, Pittsburg, 38°02'59.997", 121°54'59.963"
City of Pittsburg; 2020 Railroad Ave, Pittsburg, 38°03'23.013", 121°53'12.022"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

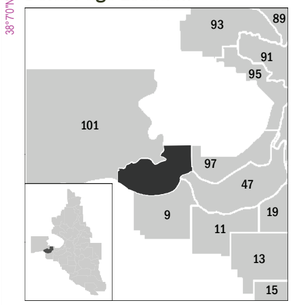
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- EOC Emergency Operations Center
- JFO Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:24,000
1"=2,000 feet

N

feet 0 2,000
miles 0 0.5

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
NO FEATURES ON THE MAP
Jails, Prisons
NO FEATURES ON THE MAP
Medical Care Facilities
NO FEATURES ON THE MAP
Adult Care Facilities
NO FEATURES ON THE MAP
Schools
Willow Spring School; 38°07'50.077", 121°52'26.099"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
City of Pittsburg; P.O. Box 1518, Pittsburg, 38°02'59.997", 121°54'59.963"
City of Pittsburg; 2020 Railroad Ave, Pittsburg, 38°03'23.013", 121°53'12.022"
City of Fairfield; C/O Eos, Suisun City, 38°12'33.016", 122°03'23.988"
City of Fairfield, C/O EOS, Suisun City; 38°12'33.016", 122°03'23.988"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Solano County Office of the Sheriff
707.421.7000 General Information (Business Hours)
707.421.7090 Dispatch
707.421.7952 24 Hour

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Denverton Slough (RD 2134); Doug Collmer, Bus Cell *530.218.7677*
Egbert Tract (RD 2084); Floyd Pederson Bus *530.742.3500*, Bus Cell *916.396.9904*
Egbert Tract (RD 536); Page Baldwin. Jr., Bus *707.374.5478*, Bus Cell *916.998.8429*
Frost Lake (RD 2129); Terry Connolly, Cell *707.315.6761*
Grizzly West (RD 2136); Diane Tesene, Home *707.425.3963*
Hasting Tract (RD 2060); Mark Boyd, Bus *707-374-5722*
Honker Bay (RD 2130); Stanley Geary, Bus *925.283.5576*
Peters Pocket (RD 2104); Jim Chance, Bus *209.634.1488*
Prospect Island (RD 1667); District Office, Emg *916.979.3002*
RD 2034 (RD); Skip Chadbourne, Bus *707.425.4158*
Ryer Island (RD 501); Dick Taylor, Bus *916.775.1411*, Bus Cell *916.439.2073*
Schafter-Pintail (RD 2112); John Cadle, Bus *925.283.7159*
Simmons/Wheeler (RD 2127); Arnold Lenk, Bus *925-284-3100*
Sunrise Club (RD 2135); John Galleti, Bus *925.372.7000*
Van Sickle Island (RD 1607); Gilbert Cosio, Bus *916.456.4400*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
NO FEATURES IN MAP AREA

Home Depot
NO FEATURES IN MAP AREA

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
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707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

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MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

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	CURRENT	12 HOUR	24 HOUR
○	MAJOR FLOODING	MAJOR FLOODING	MAJOR FLOODING
○	MODERATE FLOODING	MODERATE FLOODING	MODERATE FLOODING
○	MINOR FLOODING	MINOR FLOODING	MINOR FLOODING
○	ACTION STAGE	ACTION STAGE	ACTION STAGE
○	NO FLOODING	NO FLOODING	NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: ____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

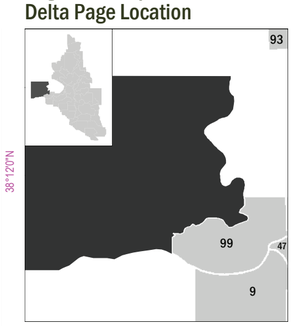
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need	Required Have Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 F: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C: Emergency Workers Camp
- Proposed Levee Relief Cut
- H: Helipad
- Proposed Temporary Barriers Waterway
- B: Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS: Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:48,000
1"=4,000 feet

N

feet 0 4,000

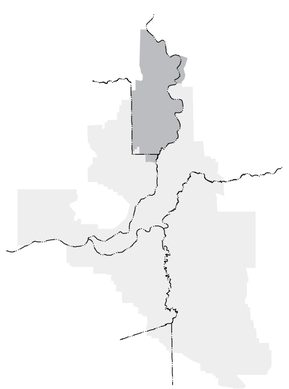
miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

Solano



Yolo County

Symbol	Feature	Label
	County Boundary	Sacramento County
	Legal Delta Boundary	
	Reclamation District Boundary	**2130** HONKER BAY
	Populated Place	**Concord**
	Contra Costa Map Page Focus Area	**13**
	Other Map Page Focus Area	**43**

N

5 Miles

105

107

33

109

113

87

89

93

41

111

35

37

39

0785 DRIVER DISTRICT

0537 LOVDAL DISTRICT

2035 CONAWAY TRACK

1000 NATOMAS

0141

0900 W. SACRAMENTO

0673

0765 GLIDE DISTRICT

0307 LISBON DISTRICT

2022

0744

0999 NETHERLANDS

0146

0150 MERRITT ISLAND

0813 EHRHEARDT CLUB

2068 YOLANO

2098 CACHE HAAS AREA

2104 PETERS POCKET

2060 HASTING TRACT

2093 LIBERTY ISLAND

1667 PROSPECT ISLAND

0501 RYER ISLAND

0349 SUTTER ISLAND

0003 GRAND ISLAND

0551 PIERSON DISTRICT

1002 GLANVILLE

WOODLAND

MONUMENT HILLS

DAVIS

UNIVERSITY OF CALIFORNIA DAVIS

WEST SACRAMENTO

RIO LINDA

FOOTHILL FARMS

CITRUS HEIGHTS

MCCLELLAN PARK

NORTH HIGHLANDS

FAIR OAKS

CARMICHAEL

GOLD RIVER

SACRAMENTO

ARDEN-ARCADE

LA RIVIERA

RANCHO CORDOVA

MATHER

ROSEMONT

FRUITRIDGE POCKET

LEMON HILL

PARKWAY

FLORIN

VINEYARD

ELK GROVE

WILTON

GALT

HERALD

FRANKLIN

COURTLAND

HOOD

CLARKSBURG

WALNUT GROVE

FREEPORT

DIXON

HARTLEY

VACAVILLE

ELMIRA

FAIRFIELD

Cache Creek

Willow Slough

Moore Canal

Yolo Central Canal

Dry Slough

Willow Canal

South Fork Putah Creek

Natomas Ditch

Dry Creek

East Drainage Canal

Sacramento River

American River

Morrison Creek

Elder Creek

Frye Creek

Laguna Creek

Deer Creek

Cosumnes River

Badger Creek

Badger Creek Lake

Willow Creek

Skunk Creek

Stone Lake

Greenhaven Lake

Snodgrass Slough

North Mokelumne River

Sac River Deep Water Canal

Duck Slough

Tule Canal

Oxford Slough

Steamboat Slough

Cache Slough

Alamo Creek

Ulatis Creek

Sweany Creek

Gibson Canyon Creek

Seasonal Lake

Winchester Lake

Greens Lake

Lake Alhambra

Stonegate Lake

Turning Basin

Capitol City Fwy

Yolo Bypass

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S — The Special Flood Consideration information below corresponds to the features on the map with the symbol here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities

Sommerset Nursing Ctr; West Sacramento, 38°34'34.191", 121°32'20.130"

Grand River Villa, West Sacramento; 38°34'59.720", 121°31'36.569"

Schools

West Sacramento School For Independents; 1712 Evergreen St., West Sacramento, 38°34'37.157", 121°31'51.236"

Yolo High; 920 Westacre Rd., West Sacramento, 38°34'39.753", 121°31'53.626"

Evergreen Elementary; 919 Westacre Rd., West Sacramento, 38°34'42.128", 121°31'41.101"

Merkley Youth Academy; 1541 Merkley Ave., West Sacramento, 38°34'45.726", 121°31'41.019"

River City Christian Academy; 1205 Merkley Avenue, West Sacramento, 38°34'47.718", 121°31'22.672"

Westfield Village Elementary; 508 Poplar St., West Sacramento, 38°35'10.281", 121°32'09.748"

Holy Cross Elementary School; 800 Todhunter Avenue, West Sacramento, 38°35'37.966", 121°32'00.575"

Elkhorn Village Elementary; 750 Cummins Way, West Sacramento, 38°35'37.788", 121°31'13.031"

Alyce Norman Elementary; 1200 Anna St., West Sacramento, 38°35'46.385", 121°31'48.023"

Bryte Elementary; 637 Todhunter St., West Sacramento, 38°35'50.463", 121°32'03.898"

Golden State Middle; 1100 Carrie St., West Sacramento, 38°36'00.076", 121°31'45.276"

Two Rivers Elementary; 3201 West River Dr., Sacramento, 38°36'31.786", 121°32'05.573"

Leroy F. Greene Middle; 2950 West River Dr., Sacramento, 38°36'36.510", 121°31'51.373"

Childrens World Learning Cntrs; 2500 Natomas Park Dr., Sacramento, 38°36'40.286", 121°30'24.197"

Jefferson Elementary; 2001 Pebblewood, Sacramento, 38°37'13.685", 121°30'24.005"

Witter Ranch Elementary; 3790 Poppy Hill Way, Sacramento, 38°38'10.745", 121°31'53.461"

Westlake Charter; 1901 Arena Blvd., Sacramento, 38°38'49.554", 121°30'25.213"

Natomas Middle; 3700 Del Paso Rd., Sacramento, 38°39'19.794", 121°32'59.791"

Inderkum High; 2500 New Market Dr., Sacramento, 38°39'31.673", 121°31'26.407"

Sacramento Valley Technical High; 2500 New Market Dr., Sacramento, 38°39'48.235", 121°30'29.113"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities

City of Sacramento; 38°35'30.015", 121°30'29.992"

Electric Power Facilities

W. Sacto; 38°35'18.919", 121°32'34.907"

District 1000; 38°36'20.401", 121°31'36.377"

W. El Camino-I5; 38°36'53.786", 121°31'16.135"

Truxel; 38°37'09.702", 121°30'19.006"

2. FLOOD CONTINGENCY OPTIONS

C114 F — The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here. Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

F1 - RD 900, Water Flowing from the North

The floodfight strategy is to construct an emergency berm at the intersection of Sacramento Ave with Todhunter Ave.

Actions

Prioritized actions should be developed at later date.

F2 - West Sacramento, Water Flowing from the North

The floodfight strategy is to construct an emergency berm at the intersection of Jefferson Blvd with the Sacramento Northern Railway.

Actions

Prioritized actions should be developed at later date.

F3 - West Sacramento, Water Flowing from the North

The floodfight strategy is to construct an emergency berm at the intersection of 5th Street with the Sacramento Northern Railway.

Actions

Prioritized actions should be developed at later date.

Record additional Flood Contingency Options on the lines provided below. Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services

Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour

Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night

San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency

Solano County;
707.784.1600 Office
707.421.7090 Night

Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Yolo County Office of the Sheriff
530.668.5280 Administration
530.666.6612 Emergency

State Emergency Contacts

DWR Flood Operations Center;
800.952.5530

State Water Project;
916.574.2714

Governor's OES;
916.845.8911

Reclamation Districts

Conaway Track (RD 2035); Regina Cherovsky, Bus *662.6200*, Bus Cell *916.718.8463*

Driver District (RD 785); William Mattos, Bus Cell *916.531.1080*

Elkhorn (RD 827); Daniel Ramos, Bus *916.372.6170*

Fair Ranch (RD 787); Todd Tommeraason, Bus *530.662.1755*

Glide District (RD 765); John Martinelli, Bus *916.665.2256*

Lisbon District (RD 307); Peter G. Dwyer, Jr., *916-371-2351*

Lovdal District (RD 537); District Office , *916.371.1483*

Merritt Island (RD 150); Matt Hemly, Bus *916.775.1379*, Bus Cell *916.416.5369*

Mull District (RD 1600); Kent Lang, Bus *916.372.3884*, Bus Cell *916.531.3809*

West Sacramento (RD 900); District Office, Bus *916.371.1483*, Emg *916.650.3645*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points

Transfer Pick Up Point; 38°34'50.176", 121°30'30.706"

Rally Points

Rally Point; 38°34'50.341", 121°30'48.092"

Shelters

Mass Care Shelter; 38°34'50.327", 121°30'48.312"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
West Sacramento;
2250 Lake Washington Blvd, West Sacramento, CA 95691
916.373.7660

Home Depot
West Sacramento;
690 Riverpoint Ct, West Sacramento, CA 95605
916.617.2128

REPAIR & MATERIALS

Repair Contractors

Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127

Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200

Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800

Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers

Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964

Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740

Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020

Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111

Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230

Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123

Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000

Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905

Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

12 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

24 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):

162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**

Scan the QR code at left for direct link.

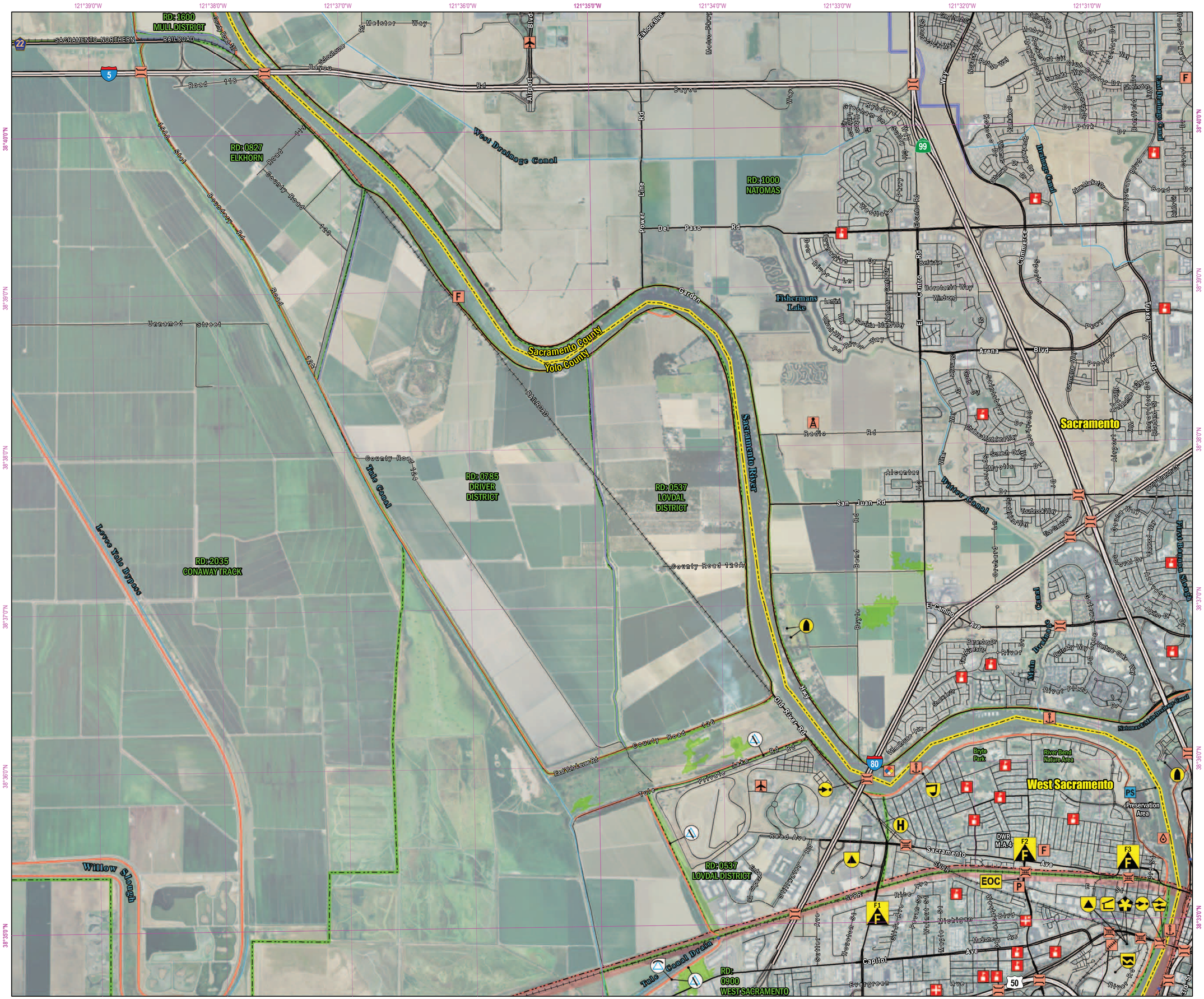
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					


121°39'0"W
121°38'0"W
121°37'0"W
121°36'0"W
121°35'0"W
121°34'0"W
121°33'0"W
121°32'0"W
121°31'0"W
38°40'0"N
38°39'0"N
38°38'0"N
38°37'0"N
38°36'0"N
38°35'0"N
RD: 1600 MULL DISTRICT
SACRAMENTO NORTHERN RAILROAD
Sonny Reay Wy
Meister Way
Schaidnagle Bayou
Road 113
Airport Blvd
Elkhorn Blvd
Metro Pkwy
Bayou Rd
Power Line Rd
Del Paso Rd
West Drainage Canal
RD: 0827 ELKHORN
County Road 113
County Road 122
4460 Slough
Boundary Rd
Unnamed Street
RD: 1000 NATOMAS
Fisherman's Lake
Garden Hwy
Sacramento County
Yolo County
Sacramento River
RAILROAD
Radio Rd
Commerce Blvd
Arena Blvd
Sacramento
Natomas Blvd
Truxel Rd
Discovery Park
Drainage Canal
Port Drainage Canal
Shadelands Dr
Bell Haven Dr
Bond Dr
Meister Dr
Westlake Pkwy
El Centro Rd
Dos Rios Dr
Tournament Dr
Fisherman Ln
Lentini Way
Sunrise Island Way
Windsong
Bercelonia Way
Scotch Pine Dr
Scotch Moss Dr
Scotch Broom Ct
Scotch Heather Dr
Scotch Thistle Dr
Scotch Clover Dr
Scotch Meadow Dr
Scotch Oak Dr
Scotch Owl Dr
Scotch Hyacinth Dr
Scotch Bluebell Dr
Scotch Rose Dr
Scotch Tree Dr
Scotch Pine Dr
Scotch Moss Dr
Scotch Broom Ct
Scotch Heather Dr
Scotch Thistle Dr
Scotch Clover Dr
Scotch Meadow Dr
Scotch Oak Dr
Scotch Owl Dr
Scotch Hyacinth Dr
Scotch Bluebell Dr
Scotch Rose Dr
Scotch Tree Dr
Natomas Crossing Dr
Natomas Gateway Dr
Natomas Park Dr
Natomas Marketplace

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

There are no recorded Special Flood Considerations on this map page.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Pioneer House - Sacramento; 415 P St, Sacramento, 38°34'32.914", 121°30'14.666"

Adult Care Facilities
Merrill Garden At Green Haven; Sacramento, 38°30'42.475", 121°32'25.156"
Waterleaf At Land Park; Sacramento, 38°30'56.881", 121°31'31.268"
Applewood Care Ctr; Sacramento, 38°31'55.823", 121°31'05.753"
Sommerset Nursing Ctr; West Sacramento, 38°34'34.191", 121°32'20.130"
Grand River Villa, West Sacramento; 38°34'59.720", 121°31'36.569"

Schools
Genevieve Didion; 6940 Harmon Dr., Sacramento, 38°30'30.418", 121°33'05.943"
Riverside Christian Elementary; 6449 Riverside Blvd, Sacramento, 38°30'32.904", 121°32'40.098"
Alice Birney Elementary; 6251 13Th St., Sacramento, 38°30'43.341", 121°30'32.217"
New Technology High; 1400 Dickson St., Sacramento, 38°31'07.359", 121°30'15.216"
John Cabrillo Elementary; 1141 Seamas Ave., Sacramento, 38°31'30.898", 121°31'07.318"
West Sacramento School; 38°31'38.533", 121°33'21.901"
Sam Brannan Middle; 5301 Elmer Way, Sacramento, 38°31'40.222", 121°31'01.523"
Bridgeway Island Elementary; 3255 Half Moon Bay Cir., West Sacramento, 38°32'23.824", 121°34'05.544"
Our Lady Of Grace School; 1990 Linden Road, W Sacramento, 38°32'23.028", 121°33'00.065"
Holy Spirit Parish School; 3920 West Land Park Dr., Sacramento, 38°32'33.231", 121°30'15.133"
Southport Elementary; 2747 Linden Road, West Sacramento, 38°32'55.685", 121°33'23.027"
Stonegate Elementary; 2500 La Jolla St, West Sacramento, 38°33'07.728", 121°31'30.252"
Crocker/Riverside Elementary; 2970 Riverside Blvd., Sacramento, 38°33'09.184", 121°30'16.452"
Arlington Oaks School; 38°33'20.033", 121°31'55.850"
Health Professions High; 451 Mcclatchy Way, Sacramento, 38°33'41.044", 121°30'43.203"
Jedediah Smith Elementary; 401 Mcclatchy Way, Sacramento, 38°33'42.583", 121°30'32.464"
Success Academy; 810 V St., Sacramento, 38°34'03.319", 121°30'06.262"
Met Sacramento Charter High; 810 V St., Sacramento, 38°34'03.319", 121°30'06.262"
St John Christian School; 2130 4Th Street, Sacramento, 38°34'11.065", 121°30'25.543"
Westmore Oaks Elementary; 1504 Fallbrook St., West Sacramento, 38°34'12.328", 121°32'01.261"
Cathedral School; 38°34'14.676", 121°30'04.779"
Holy Angels School; 38°34'14.731", 121°30'02.883"
River City Senior High; 1100 Clarendon St., West Sacramento, 38°34'28.121", 121°32'10.764"
Lincoln School; 38°34'30.716", 121°30'12.881"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Sacramento R.C.S.D. Natomas WT; Natomas Airport Rd, Sacramento, 38°30'59.999", 121°31'00.012"
Sacramento R.C.S.D.; Combined Wwtp, Sacramento, 38°31'11.987", 121°31'22.012"
Sacramento Wastewater Treatment Plant; 5699 South Land Park Drive, Sacramento, 38°31'18.909", 121°30'40.237"
Combined Wastewater Treatment Plant; 1391 35Th Ave, Sacramento, 38°32'57.017", 121°30'26.998"
City of West Sacramento Wastewater Treatment Plant; 1991 South River Road, West Sacramento, 38°33'50.328", 121°31'19.678"
Sacramento, City of, Sacramento; 38°35'30.015", 121°30'29.992"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

F1 - RD 900, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Sacramento Ave with Todhunter Ave.
Actions
Prioritized actions should be developed at later date.

F2 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Jefferson Blvd with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.

F3 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of 5th Street with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.

F4 - RD 900, Water Flowing from the East
The general flood strategy will be use the old railroad tracks to serve as temporary berm for populations on the west side of the old tracks.
Actions
Prioritized actions should be developed at later date.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil***.

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Yolo County Office of the Sheriff
530.668.5280 Administration
530.666.6612 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Conaway Track (RD 2035); Regina Cherovsky, Bus *662.6200*, Bus Cell *916.718.8463*
Driver District (RD 785); William Mattos, Bus Cell *916.531.1080*
Elkhorn (RD 827); Daniel Ramos, Bus *916.372.6170*
Fair Ranch (RD 787); Todd Tommeraason, Bus *530.662.1755*
Glide District (RD 765); John Martinelli, Bus *916.665.2256*
Lisbon District (RD 307); Peter G. Dwyer, Jr., *916-371-2351*
Lovdal District (RD 537); District Office , *916.371.1483*
Merritt Island (RD 150); Matt Hemly, Bus *916.775.1379*, Bus Cell *916.416.5369*
Mull District (RD 1600); Kent Lang, Bus *916.372.3884*, Bus Cell *916.531.3809*
West Sacramento (RD 900); District Office, Bus *916.371.1483*, Emg *916.650.3645*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°31'57.594", 121°31'42.804"
Transfer Pick Up Point; 38°32'11.781", 121°31'07.318"
Transfer Pick Up Point; 38°34'50.176", 121°30'30.706"

Rally Points
Rally Point; 38°34'50.341", 121°30'48.092"

Shelters
Mass Care Shelter; 38°34'50.327", 121°30'48.312"

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
West Sacramento;
2250 Lake Washington Blvd, West Sacramento, CA 95691
916.373.7660

Home Depot
West Sacramento;
690 Riverpoint Ct, West Sacramento, CA 95605
916.617.2128

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

12 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

24 HOUR

PRECIPITATION rainfall ___ in. chance ___ % | TEMP hi ___ lo ___ | WIND ___ mph

NOTES: ___

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

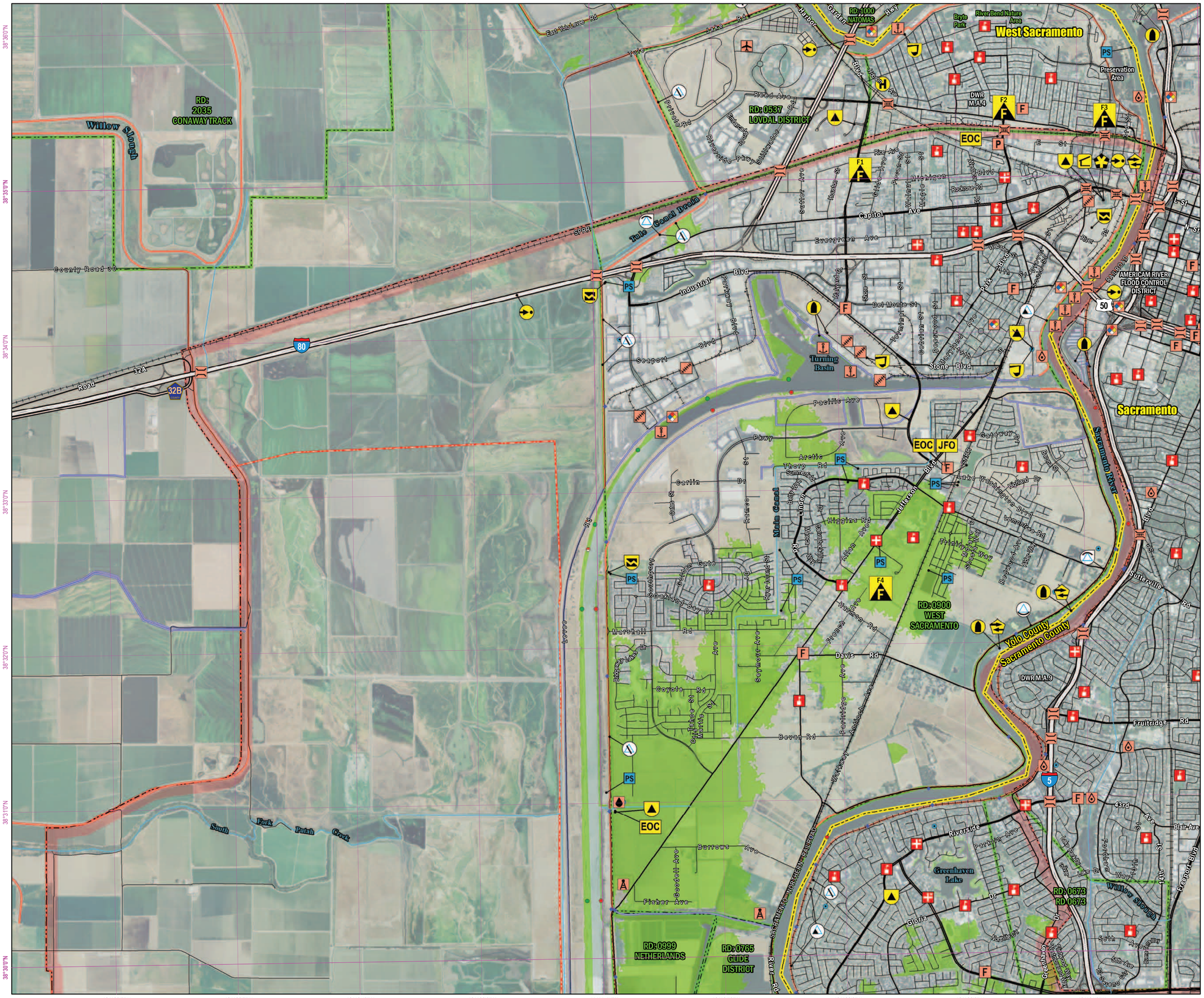
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					


121°39'0"W
121°38'0"W
121°37'0"W
121°36'0"W
121°35'0"W
121°34'0"W
121°33'0"W
121°32'0"W
121°31'0"W
121°30'0"W
38°36'0"N
38°35'0"N
38°34'0"N
38°33'0"N
38°32'0"N
38°31'0"N
38°30'0"N
RD: 2035 CONAWAY TRACK
Willow Slough
RD: 1000 NATOMAS
RD: 0537 LOVDAL DISTRICT
West Sacramento
Bryte Park
River Bend Nature Area
Preservation Area
DWR M.A.4
EOC
F1
F2
F3
F4
P
PS
Tule Canal Drain
SPRR
County Road 30
80
32A
32B
Road
Industrial Blvd
Parkway Blvd
Seaport Blvd
Turning Basin
Capitol Ave
Evergreen Ave
Del Monte St
Stone Blvd
Pacific Ave
Arctic Thorp Summerset Rd
Jefferson Blvd
Lake Washington Blvd
Leandro Rd
Higgins Rd
Main Canal
Meadowood Dr
Moorland Bay Dr
Marshall Rd
Davis Rd
Bevan Rd
Coyote Rd
Fisher Ave
Burrows Ave
Goodell Ave
Seyfert Ave
Pertridge Ave
Walnut Ave
Fruitridge Rd
Butterville Rd
Yolo County
Sacramento County
DWR M.A.9
AMERICAM RIVER FLOOD CONTROL DISTRICT
Sacramento River
Sacramento
RD: 0900 WEST SACRAMENTO
RD: 0999 NETHERLANDS
RD: 0765 CLIDE DISTRICT
RD: 0673 RD 0673
Greenhaven Lake
Willow Slough
Freeport Blvd
43rd Ave
Riverside Pkwy
Harbor Blvd
Garden Hwy
Jake Rd
East Yolo Levee Rd
Reed Ave
Parkway Rd
Enterprise Blvd
Riverside Pkwy
Sutter Ave
Heston St
Glide Ave
Pasadena Ave
Michigan Ave
Rockrose Rd
Meister Blvd
Walnut Ave
Webster St
Park Blvd
Sacramento Ave
Terminal St
Boardwalk Dr
Stone Blvd
Gateway Park
Lake Washington Blvd
Lighland Dr
Bryte St
Jefferson Blvd
Aggie Way
Higgins Rd
Allan Ave
Harbor Blvd
Fremont Rd
Davis Rd
Pertridge Ave
Amherst Ave
Walnut Ave
Fruitridge Rd
43rd Ave
Riverside
Perkins Way
Lake Parker Dr
Lake Terrace Dr
Portobello Way
Willow Slough
Freeport Blvd
Glenbrook Dr
Gloria Dr
Normandy Dr
Riverside Blvd
Sutterville Rd
Fruitridge Rd
Blair Ave
Sutterville Rd
Elsworth Ave
Sutterville Rd
South Fork Putah Creek
Levee
Levee
Levee

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours, flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).

B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Yolo County Office of the Sheriff
530.668.5280 Administration
530.666.6612 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Conaway Track (RD 2035); Regina Cherovsky, Bus *662.6200*, Bus Cell *916.718.8463*
Driver District (RD 785); William Mattos, Bus Cell *916.531.1080*
Elkhorn (RD 827); Daniel Ramos, Bus *916.372.6170*
Fair Ranch (RD 787); Todd Tommeraason, Bus *530.662.1755*
Glide District (RD 765); John Martinelli, Bus *916.665.2256*
Lisbon District (RD 307); Peter G. Dwyer, Jr., *916-371-2351*
Lovdal District (RD 537); District Office , *916.371.1483*
Merritt Island (RD 150); Matt Hemly, Bus *916.775.1379*, Bus Cell *916.416.5369*
Mull District (RD 1600); Kent Lang, Bus *916.372.3884*, Bus Cell *916.531.3809*
West Sacramento (RD 900); District Office, Bus *916.371.1483*, Emg *916.650.3645*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
NO FEATURES ON THE MAP
Rally Points
NO FEATURES ON THE MAP
Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
West Sacramento;
2250 Lake Washington Blvd, West Sacramento, CA 95691
916.373.7660

Home Depot
West Sacramento;
690 Riverpoint Ct, West Sacramento, CA 95605
916.617.2128

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data
NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

12 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

24 HOUR
PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph
NOTES: ____

NOAA Weather Radio
Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather
Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

FUNCTIONAL CARE FACILITIES

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
NO FEATURES ON THE MAP

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Asian Community Nursing Home; 7801 Rush River Dr, Sacramento, 38°29'02.459", 121°31'45.880"

Adult Care Facilities
Grand River Care Ctr; Sacramento, 38°28'32.754", 121°30'25.158"
Hellenic Seniors Ctr; Sacramento, 38°29'01.456", 121°3141.953"
Grand Court Sacramento; Sacramento, 38°29'01.058", 121°31'04.27""
Eskaton Greenhaven Country Pl; Sacramento, 38°30'21.698", 121°32'20.048"

Schools
Delta High; 52810 Netherlands Ave., Clarksburg, 38°24'57.779", 121°31'44.260"
Clarksburg Elementary; 52870 Netherlands Rd., Clarksburg, 38°25'01.995", 121°31'35.443"
Matsuyama Elementary; 7680 Windbridge Dr., Sacramento, 38°28'51.198", 121°32'11.533"
Montessori Country Day; 7575 Rush River Drive, Sacramento, 38°29'03.653", 121°31'55.136"
Merryhill School; 7450 Pocket Rd, Sacramento, 38°29'12.346", 121°32'51.633"
Childrens World Learning Cente; 7395 Greenhaven Dr, Sacramento, 38°29'12.909", 121°31'00.836"
Lisbon Elementary; 7555 South Land Park Dr., Sacramento, 38°29'19.611", 121°31'31.873"
Martin Luther King Jr.; 480 Little River Way, Sacramento, 38°29'22.193", 121°32'35.484"
Learning Repertoire Charter Academy; 7405 Greenhaven Dr., Sacramento, 38°29'24.363", 121°31'04.791"
Merryhill Preparatory; 7334 Park City Dr, Sacramento, 38°29'32.163", 121°31'05.808"
Caroline Wenzel Elementary; 6870 Greenhaven Dr., Sacramento, 38°30'07.278", 121°31'19.513"
Pony Express Elementary; 1250 56Th Ave., Sacramento, 38°30'07.484", 121°30'40.786"
John F. Kennedy High; 6715 Gloria Dr, Sacramento, 38°30'18.402", 121°32'01.865"
Bear Flag Elementary; 6620 Gloria Dr., Sacramento, 38°30'24.156", 121°31'37.695"
Genevieve Didion; 6940 Harmon Dr., Sacramento, 38°30'30.418", 121°33'05.943"
Riverside Christian Elementary; 6449 Riverside Blvd, Sacramento, 38°30'32.904", 121°32'40.098"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP
Waste Water Facilities
Sacramento R.C.S.D.; Freeport & Riverside St, Sacramento, 38°28'19.996", 121°30'16.012"

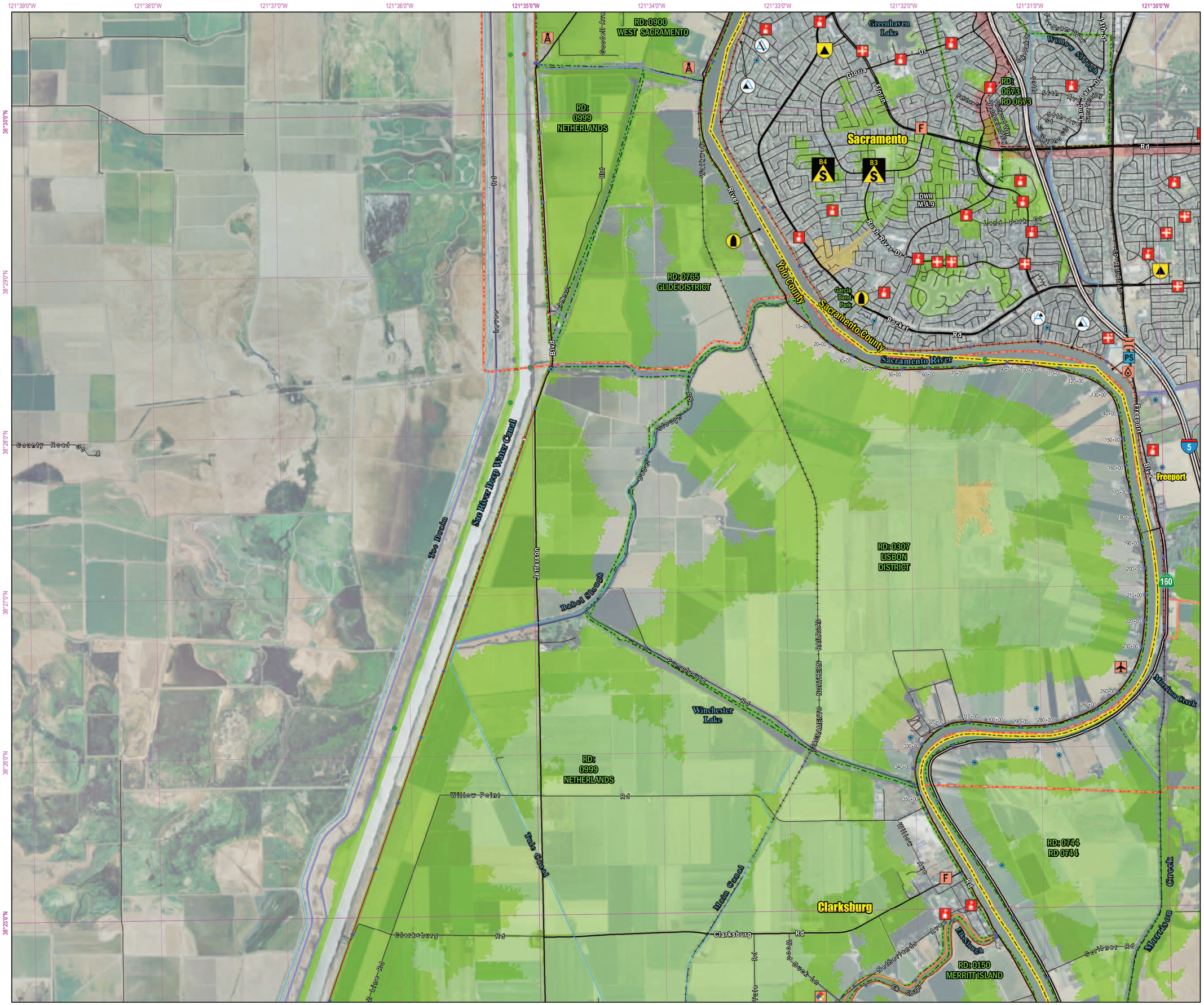
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

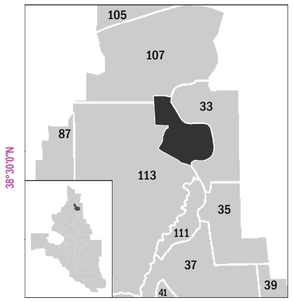
BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	RESOURCE TOTALS Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

	Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1					
2					
3					
4					
5					
6					
7					
8					



Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- C114 A: Flood Contingency Option
- C114 S: Special Flood Consideration
- EOC: Emergency Operations Center
- JFO: Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- C: Emergency Workers Camp
- Proposed Levee Relief Cut
- H: Helipad
- Proposed Temporary Barriers Waterway
- B: Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- J: Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- PS: Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15	-15 to -10	-10 to -5	-5 to 0	0 to 5	5 to 10

Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet
0 2,500

miles
0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

Record additional Special Flood Considerations on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp · Jail, Prison · Med. Care Fac. · Nursing Home · School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 38°20'21.336", 121°33'37.392"
Seasonal Agriculture Work Site; 38°20'34.396", 121°33'18.330"
Seasonal Agriculture Work Site; 38°20'44.091", 121°32'19.389"

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
NO FEATURES ON THE MAP

Adult Care Facilities
NO FEATURES ON THE MAP

Schools
Bates Elementary; 180 Primasing Ave., Courtland, 38°19'51.096", 121°34'09.307"
Mokelumne High (Continuation); 151 Courtland High School Ln., Courtland, 38°19'51.604", 121°34'03.978"
Delta High; 52810 Netherlands Ave., Clarksburg, 38°24'57.779", 121°31'44.260"
Clarksburg Elementary; 52870 Netherlands Rd., Clarksburg, 38°25'01.995", 121°31'35.443"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Waste Water Facility; 38°23'13.231", 121°30'24.719"

2. FLOOD CONTINGENCY OPTIONS

C114 F

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Yolo County Office of the Sheriff
530.668.5280 Administration
530.666.6612 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Conaway Track (RD 2035); Regina Cherovsky, Bus *662.6200*, Bus Cell *916.718.8463*
Driver District (RD 785); William Mattos, Bus Cell *916.531.1080*
Elkhorn (RD 827); Daniel Ramos, Bus *916.372.6170*
Fair Ranch (RD 787); Todd Tommeraason, Bus *530.662.1755*
Glide District (RD 765); John Martinelli, Bus *916.665.2256*
Lisbon District (RD 307); Peter G. Dwyer, Jr., *916-371-2351*
Lovdal District (RD 537); District Office , *916.371.1483*
Merritt Island (RD 150); Matt Hemly, Bus *916.775.1379*, Bus Cell *916.416.5369*
Mull District (RD 1600); Kent Lang, Bus *916.372.3884*, Bus Cell *916.531.3809*
West Sacramento (RD 900); District Office, Bus *916.371.1483*, Emg *916.650.3645*

CARE & PLACE

Transfer Pick-Up Pt. · Rally Pt. · Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°20'29.150", 121°33'35.881"
Transfer Pick Up Point; 38°20'45.355", 121°32'18.345"

Rally Points
NO FEATURES ON THE MAP

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
West Sacramento; 2250 Lake Washington Blvd, West Sacramento, CA 95691
916.373.7660

Home Depot
West Sacramento; 690 Riverpoint Ct, West Sacramento, CA 95605
916.617.2128

REPAIR & MATERIALS

Repair Contractors
Dutra Group; 160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction; 24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction; 4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office; 3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions; 615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials; 1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries; 16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries; 885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates; 4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates; 3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates; 3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates; 13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix; 8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates; 8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates; 35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at **mobile.weather.gov**
Scan the QR code at left for direct link.

OPERATIONAL PLANNING WORKSHEET

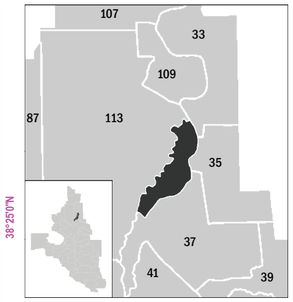
DEVELOPED FROM ICS FORM 215

							RESOURCE TOTALS
BRANCH							
DIVISION, GROUP, OTHER							
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS							
RESOURCES	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need	Required / Have / Need
1							
2							
3							
4							
5							
6							
7							
8							
REPORTING LOCATION							
REQUESTED ARRIVAL TIME							

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				

Page Proximity & Delta Page Location



FOR COMPLETE LEGEND, SEE INSIDE COVER

CRITICAL INFRASTRUCTURE

Functional Care Facility

- Agricultural Worker Camp
- Nursing Home
- Jail Prison
- School
- Medical Care Facility

Health & Safety

- Coast Guard Station
- Hazardous Material
- Fire Station
- Police Station

Transportation

- Airport Facility
- Port Facility
- Bus Facility
- Rail Facility
- Ferry Facility
- Railway Bridge
- Highway Bridge

Utility

- Communication Facility
- Public Water Supply
- Dam
- Solid Waste Facility
- Oil Facility
- Waste Water Facility

EMERGENCY MANAGEMENT

- Flood Contingency Option
- Special Flood Consideration
- Emergency Operations Center
- Joint Field Office
- Field Command Post
- Emergency First Aid Distribution
- Mass Care Shelter
- Transfer Pick Up Point
- Rally Point
- Boat Launch
- Proposed Emergency Berm
- Emergency Workers Camp
- Proposed Levee Relief Cut
- Helipad
- Proposed Temporary Barriers Waterway
- Logistics Base
- Supply Delivery Point
- Earthen Material
- Repair Contractor Location
- Emergency Generator
- Rock Barge Staging
- Large Equipment Staging
- Flood Response Resource, Supply Staging

FLOOD MANAGEMENT

- Levee Station
- Sand Boil
- Historic Levee Breach
- Levee Erosion
- Historic Levee Relief Cut
- Levee Gravity Drain
- Levee Access
- Levee Seepage
- Levee Distress Point
- Pump Station
- Levee Centerline
- USACE Project Levee Centerline

ELEVATION Approximate elevation range in feet. NAVD 88

FLOW

<-15 | -15 to -10 | -10 to -5 | -5 to 0 | 0 to 5 | 5 to 10 | Sea Level

FOR COMPLETE LEGEND, SEE INSIDE COVER

MAP SCALE
1:30,000
1"=2,500 feet

N

feet 0 2,500

miles 0 0.5 1

Map Imagery
ESRI World Imagery Layer: USDA FSA (NAIP 2009), USGS (2008), AEX (2007, 2008)

Road Data
Geographic Data Technology Inc. (GDT) 2010

Horizontal Datum North American Datum 1983
Projection Universe Transverse Mercator Zone 10, North
Vertical Datum North American Vertical Datum 1988

AREA ACTION PLANNING

1. SITUATIONAL AWARENESS

C114 S

The Special Flood Consideration information below corresponds to the features on the map with the symbol here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

SPECIAL FLOOD CONSIDERATIONS

See page 114-121 for complete special flood considerations by page. This list may not include all Special Flood Considerations.

B2 - Interstate 5
Interstate 5 is below predicted base flood elevations. It is important to note that flooding is a threat on the eastern and western sides of I-5. Backwaters from local drainage creeks and Delta levee failure are a concern in this area, major storm events should cause multi-directional flooding.

B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours; flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).

B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.

B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.

B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.

E2 - Levee Depression
A depression in a levee caused by New Delhi Road crossing at Cache Slough can be vulnerable to an overtopping event. This levee serves as the western bank of the Yolo Bypass. The depression located at Cache Slough and Delhi Rd should be monitored for threats associated with overtopping at this location when flooding is present in the Yolo Bypass.

E3 - Rural Flooding
If the western bank of the Yolo Bypass levee fails near Cache Slough as a result of high water in the Yolo Bypass, 50 to 60 homes are subject to flooding. Temporary storage of floodwaters from the Dixon Regional Watershed can be stored at farm units to prevent localized flooding.

E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.

E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.

E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach +/-2.0 FT.

E10 - Yolo Bypass
The Yolo Bypass is one of two flood bypasses in the Sacramento Valley located in Yolo and Solano Counties. It protects Sacramento and other riverside communities from flooding through a system of weirs. These weirs connect the bypass to the Sacramento River as well as to various local creeks where the water is eventually drained into the Sacramento-San Joaquin River Delta. During wet years, the bypass can be completely full of water. The main input to the bypass is through the passive Fremont Weir, where water spills over into the bypass if it reaches the 33.5 FT crest. Downstream, the Sacramento Weir, just north of the city of West Sacramento, can also be opened to divert additional waters to protect Sacramento and West Sacramento if needed. The bypass ends a few miles north of Rio Vista in the Liberty Farms area, where the bypass joins first Prospect Slough and then Cache Slough adjacent to the connection of the Sacramento Deep Water Ship Channel. Cache Slough then reconnects with the Sacramento River just North of Rio Vista.

E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

The Functional Care Facility information below corresponds to the features on the map with the symbols shown below.

FUNCTIONAL CARE FACILITIES

Ag. Worker Camp | Jail, Prison | Med. Care Fac. | Nursing Home | School

Agricultural Worker Camps
Seasonal Agriculture Work Site; 38°20'21.336", 121°33'37.392"
Seasonal Agriculture Work Site; 38°20'34.396", 121°33'18.330"
Seasonal Agriculture Work Site; 38°20'44.091", 121°32'19.389"

Jails, Prisons
NO FEATURES ON THE MAP

Medical Care Facilities
Asian Community Nursing Home; 7801 Rush River Dr, Sacramento, 38°29'02.459", 121°31'45.880"

Adult Care Facilities
Golden Senior Care; Elk Grove, 38°25'00.183", 121°27'56.788"
Golden Touch Residential; Elk Grove, 38°25'55.430", 121°27'08.091"
Good Shepherd Care Homes; Sacramento, 38°27'34.101", 121°26'29.117"
Sea Drift Manor; Sacramento, 38°27'56.651", 121°27'31.849"
Grand River Care Ctr; Sacramento, 38°28'32.754", 121°30'25.158"
Jbonics Group Home Inc; Sacramento, 38°28'38.481", 121°29'06.194"
S R Williams Residential; Sacramento, 38°28'48.492", 121°26'08.545"
Jasmine-Hall III; Sacramento, 38°28'51.733", 121°29'51.677"
Hellenic Seniors Ctr; Sacramento, 38°29'01.456", 121°31'41.953"
Grand Court Sacramento; Sacramento, 38°29'01.058", 121°31'04.27"
Golfview Manor Williams Res Hm; Sacramento, 38°29'11.797", 121°29'56.649"
Woods Retreat; Sacramento, 38°29'17.785", 121°29'47.750"
Scott's Care Facility; Sacramento, 38°29'22.097", 121°27'31.409"
Parkway Guest Home; Sacramento, 38°29'32.547", 121°27'14.408"
Mesa Verde Guest Home; Sacramento, 38°29'33.358", 121°27'38.358"
St Francis Senior Residence; Sacramento, 38°29'32.506", 121°25'57.888"
President Thomas Jefferson Mnr; Sacramento, 38°29'33.495", 121°26'13.049"

Schools
Bates Elementary; 180 Primasing Ave., Courtland, 38°19'51.096", 121°34'09.307"
Mokelumne High (Continuation); 151 Courtland High School Ln., Courtland, 38°19'51.604", 121°34'03.978"
Franklin Elementary; 4011 Hood-Franklin Rd., Elk Grove, 38°22'30.906", 121°27'21.851"
Toby Johnson Middle; 10099 Franklin High Rd., Elk Grove, 38°23'30.438", 121°27'09.382"
Helen Carr Castello Elementary; 9850 Fire Poppy Dr., Elk Grove, 38°23'46.684", 121°26'09.589"
Elliott Ranch Elementary; 10000 East Taron Dr., Elk Grove, 38°24'14.905", 121°28'25.957"
Delta High; 52810 Netherlands Ave., Clarksburg, 38°24'57.779", 121°31'44.260"
Clarksburg Elementary; 52870 Netherlands Rd., Clarksburg, 38°25'01.995", 121°31'35.443"
Sunshine Montessori School; 8001 Freeport Blvd, Sacramento, 38°27'50.251", 121°30'08.267"

CRITICAL INFRASTRUCTURE

Public Water Facilities
NO FEATURES ON THE MAP

Waste Water Facilities
Waste Water Facility; 38°23'13.231", 121°30'24.719"
Waste Water Facility; 38°23'38.966", 121°28'19.612"
Waste Water Facility; 38°25'27.291", 121°29'03.997"
Sacramento Regional Wastewater Treatment; 8521 Laguna Station Road, Elk Grove, 38°26'19.394", 121°27'30.860"
Sacramento R.C.S.D.; Freeport & Riverside St, Sacramento, 38°28'19.996", 121°30'16.012"

2. FLOOD CONTINGENCY OPTIONS

C114 A

The Flood Contingency Option information below corresponds to the features on the map with the symbol shown here.
Use the letter-number combination found on the map symbol to locate the supplementary information found below.

See page 114-121 for complete Flood Contingency Options by page. This list may not include all Flood Contingency Options. See page 4 for high water event information.

There are no recorded Flood Contingency Options on this map page.

Record additional Flood Contingency Options on the lines provided below.
Please submit additional information to ***DeltaNews@usace.army.mil****.*

3. PLAN SUPPORT

The Care & Place information below corresponds to the features on the map with the symbology shown below.

EMERGENCY MANAGEMENT

County Offices of Emergency Services
Contra Costa County;
925.646.4461 Office
925.228.5000 24 Hour
Sacramento County;
916.874.4670 Office
916.875.5000 Night
916.875.6900 Night
San Joaquin County;
209.953.6200 Office
209.468.4400 Emergency
Solano County;
707.784.1600 Office
707.421.7090 Night
Yolo County;
530.406.4930 Office
530.666.8920 24 Hour

Yolo County Office of the Sheriff
530.668.5280 Administration
530.666.6612 Emergency

State Emergency Contacts
DWR Flood Operations Center;
800.952.5530
State Water Project;
916.574.2714
Governor's OES;
916.845.8911

Reclamation Districts
Conaway Track (RD 2035); Regina Cherovsky, Bus *662.6200*, Bus Cell *916.718.8463*
Driver District (RD 785); William Mattos, Bus Cell *916.531.1080*
Elkhorn (RD 827); Daniel Ramos, Bus *916.372.6170*
Fair Ranch (RD 787); Todd Tommeraason, Bus *530.662.1755*
Glide District (RD 765); John Martinelli, Bus *916.665.2256*
Lisbon District (RD 307); Peter G. Dwyer, Jr., *916-371-2351*
Lovdal District (RD 537); District Office , *916.371.1483*
Merritt Island (RD 150); Matt Hemly, Bus *916.775.1379*, Bus Cell *916.416.5369*
Mull District (RD 1600); Kent Lang, Bus *916.372.3884*, Bus Cell *916.531.3809*
West Sacramento (RD 900); District Office, Bus *916.371.1483*, Emg *916.650.3645*

CARE & PLACE

Transfer Pick-Up Pt. | Rally Pt. | Emg. Shelter

Transfer Pick Up Points
Transfer Pick Up Point; 38°20'29.150", 121°33'35.881"
Transfer Pick Up Point; 38°20'45.355", 121°32'18.345"

Rally Points
Rally Point; 38°24'38.128", 121°42'21.632"

Shelters
NO FEATURES ON THE MAP

STAGING & SUPPLY

LOCAL HARDWARE SUPPLIERS

Ace Hardware
NO FEATURES IN MAP AREA

Lowe's
West Sacramento;
2250 Lake Washington Blvd, West Sacramento, CA 95691
916.373.7660

Home Depot
West Sacramento;
690 Riverpoint Ct, West Sacramento, CA 95605
916.617.2128

REPAIR & MATERIALS

Repair Contractors
Dutra Group;
160 River Rd, Rio Vista, CA 94571
707.374.5127
Teichert Construction;
24207 County Rd 100A, Davis, CA 95616
530-406-4200
Teichert Construction;
4401 Duluth Ave, Roseville, CA 95678
916.645.4800
Teichert Corporate Office;
3500 American River Dr, Sacramento, CA 95864
916.484.3011

Materials Suppliers
Dutra Materials-Marine Constructions;
615 River Rd, Rio Vista, CA 94571
707.374.6964
Dutra Materials;
1000 Point San Pedro Rd, San Rafael, CA 94901
415.459.7740
Syar Industries;
16560 County Rd 89, Esparto, CA 95653
530.787.2020
Syar Industries;
885 Lake Herman Rd, Vallejo, CA 94591
707.643.3261

Teichert Aggregates;
4249 Hammonton Smartville Rd, Marysville, CA 95901
530.743.6111
Teichert Aggregates;
3331 Walnut Ave, Marysville, CA 95901
530.749.1230
Teichert Aggregates;
3417 Grant Line Rd, Rancho Cordova, CA 95742
916.351.0123
Teichert Aggregates;
13333 White Rock Rd, Rancho Cordova, CA 95742
916.985.2052

Teichert Ready Mix;
8950 Cal Center Dr, #165, Sacramento, CA 95826
916.361.5000
Teichert Aggregates;
8760 Kiefer Blvd, Sacramento, CA 95826
916.386.6905
Teichert Aggregates;
35030 County Rd 20, Woodland, CA 95695
530.661.4290

FLOOD WATCH INFORMATION

Flood Watch is issued by a NOAA local National Weather Service Office to indicate flood potential for particular watch areas. Flood warnings are usually issued up to 12 hours prior to the possible flood event. These watches can vary in size depending on the size of the meteorological event.

MAJOR FLOODING Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations are necessary. A Flood Warning is issued if major flooding is expected during the event.. (Usually characterized by the evacuation of people and livestock and the closure of both primary and secondary roads.)

MODERATE FLOODING Some inundation of structures and roads near the stream. Some evacuations of people and/or transfer of property to higher elevations may be necessary.

MINOR FLOODING Minimal or no property damage but possibly some public threat. A Flood Advisory product is issued to advise the public of flood events that are expected not to exceed the minor flood category

ACTION STAGE Represents the level where some type of mitigation action in preparation for possible significant hydrologic activity needs to be taken. Gage data should be closely monitored by any affected people if the stage is above action stage.

FLOOD STAGE is an established gage height for a given location above which a rise in water surface level begins to create a hazard to lives, property, or commerce. The issuance of flood advisories or warnings is linked to flood stage.

CURRENT	12 HOUR	24 HOUR
○ MAJOR FLOODING	○ MAJOR FLOODING	○ MAJOR FLOODING
○ MODERATE FLOODING	○ MODERATE FLOODING	○ MODERATE FLOODING
○ MINOR FLOODING	○ MINOR FLOODING	○ MINOR FLOODING
○ ACTION STAGE	○ ACTION STAGE	○ ACTION STAGE
○ NO FLOODING	○ NO FLOODING	○ NO FLOODING

NOAA Live Stream Gage Data

NOAA's forecasting information system displays the magnitude of floods. By scanning the QR Code, Emergency Responders can gather information on mobile devices such as River Observations, River Forecasts and Current and Expected Precipitation in the Delta.

WEATHER

CURRENT

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

12 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

24 HOUR

PRECIPITATION rainfall ____ in. chance ____ % | TEMP hi ____ lo ____ | WIND ____ mph

NOTES: _____

NOAA Weather Radio

All Hazards NOAA Weather Radio

Radio Broadcasts are found in the VHF public service band at these seven frequencies (MHz):
162.400 162.425
162.450 162.475
162.500 162.525
162.550

NOAA Mobile Weather

Mobile Web Weather Information on HTTP enabled wireless devices at
mobile.weather.gov
Scan the QR code at left for direct link.

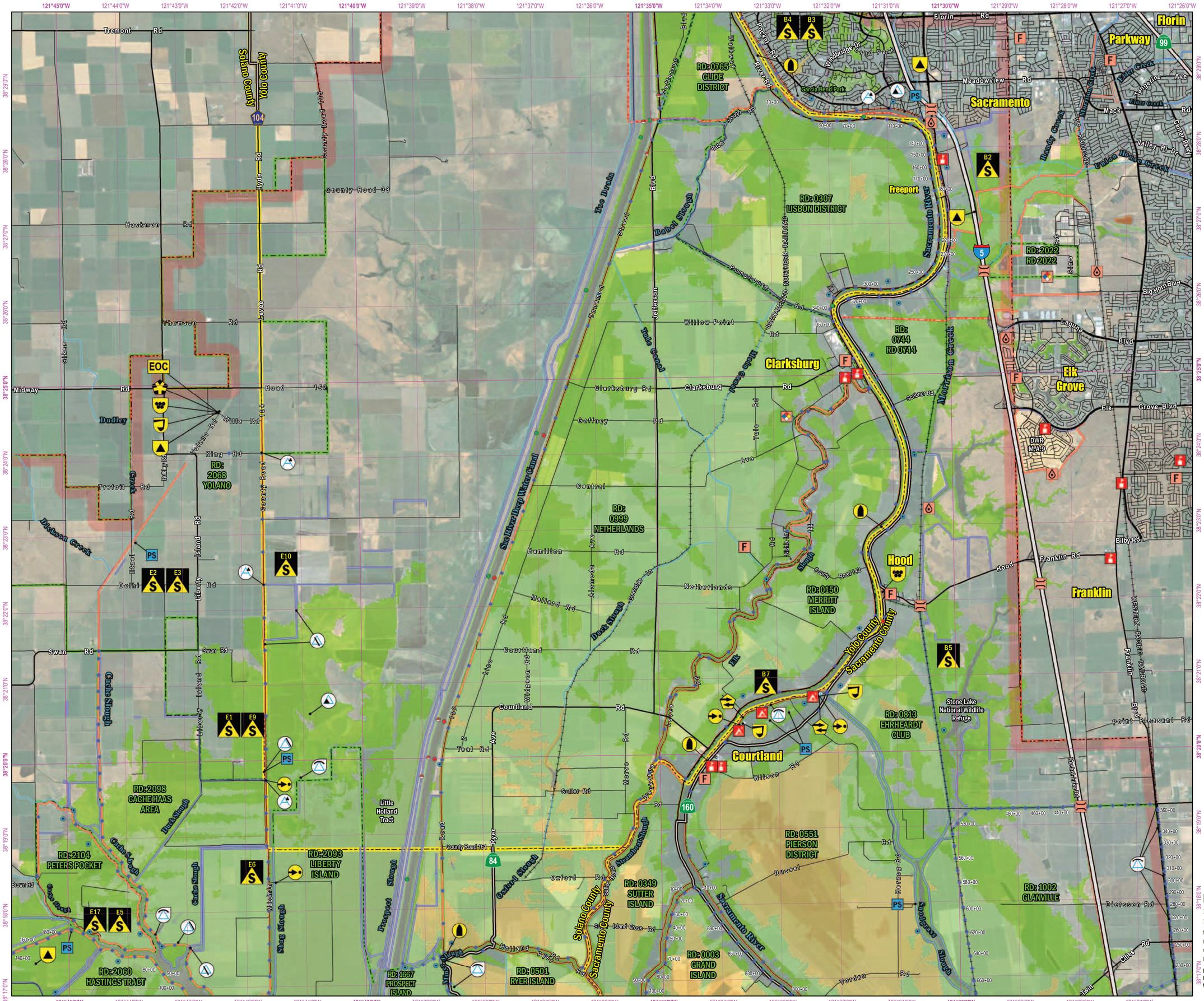
OPERATIONAL PLANNING WORKSHEET

DEVELOPED FROM ICS FORM 215

BRANCH													
DIVISION, GROUP, OTHER													
WORK ASSIGNMENT & SPECIAL INSTRUCTIONS													
RESOURCES	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	Required	Have / Need	**RESOURCE TOTALS** Required / Have / Need
1													
2													
3													
4													
5													
6													
7													
8													
REPORTING LOCATION													
REQUESTED ARRIVAL TIME													

RESOURCES ASSIGNED

Resource Identifier	Leader	# Persons	Contact (e.g. phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment & Supplies, Remarks, Notes, Information
1				
2				
3				
4				
5				
6				
7				
8				


Tremont Rd
Solano County
Yolo County
104
Hyde Rd
County Road 105
County Road 33
Hackman Rd
Thomson Rd
Lexes Rd
Midway Rd
Road 152
EOC
Dudley
Willis Rd
Yolano Rd
King Rd
RD: 2068 YOLANO
Dudley Rd
County Road 94
Tretoli Rd
Dickson Creek
Ethel Rd
Island Rd
Delhi
Liberty Island Rd
E2
E3
E10
Swan Rd
Cache Slough
RD: 2098 CACHE HAAS AREA
E1
E9
PS
Duck Slough
RD: 2104 PETERS POCKET
RD: 2093 LIBERTY ISLAND
E6
Brown Rd
Shag Slough
Prospect Slough
E17
E5
RD: 2060 HASTINGS TRACT
RD: 1667 PROSPECT ISLAND
Little Holland Tract
County Road 151
Oxford Slough
Oxford Rd
Holland Ryer Rd
Ryer Island Ferry Road
Steamboat Slough
Sutter Slough
Solano County
Sacramento County
RD: 0349 SUTTER ISLAND
RD: 0501 RYER ISLAND
RD: 0003 GRAND ISLAND
Sacramento River
Sacramento River Deep Water Canal
Central Rd
RD: 0999 NETHERLANDS
Hamilton Ave
Netherlands
Holland Rd
Courtland Rd
Courtland
Teal Ave
Sutter Rd
Wilson Rd
Merritt Island
RD: 0150 MERRITT ISLAND
Yolo County
Sacramento County
Courtland
84
160
RD: 0813 EHRHEARDT CLUB
Stone Lake National Wildlife Refuge
RD: 0551 PIERSON DISTRICT
Russel Rd
Hood
Hood Franklin Rd
Franklin
Franklin Blvd
Point Pleasant Rd
Kerr Tekeda Rd
Elk Grove Blvd
Elk Grove
Laguna Blvd
Big Horn Blvd
Florin Rd
Florin
Parkway
99
Meadowview Rd
Sacramento
Mack Rd
Valley Hi Dr
Center Pkwy
Union House Creek
Morrison Creek
Alpine Ave
Elder Creek
Reddy Creek
Sims Rd
RD: 2022 RD 2022
RD: 0744 RD 0744
Clarksburg
Clarksburg Rd
Willow Point Rd
Jefferson Blvd
Babel Slough
Too Drain
Pumphouse Rd
Sacramento Northern Railroad
Tule Canal
Freeport
RD: 0307 LISBON DISTRICT
Sacramento River
Windbridge Dr
Pocket Rd
Riverside
Garcia Bend Park
RD: 0765 GLIDE DISTRICT
Sheldon Rd
Bilby Rd
Western Pacific Railroad
B4
B3
B2
B5
B7
F
S
DWR MA9
C
H
J
E
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Special Flood Considerations & Flood Contingency Options by Page

Contra Costa County

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special flood considerations

A3 - Dow Chemical Plant
Dow Chemical's Pittsburg plant is the largest integrated chemical complex of its kind on the West Coast. The plant has both manufacturing and research facilities with many hazardous chemicals. At Dow Chemical approx. 600 employees are located onsite, and provide their own fire brigade, security team, and medical facilities. In the event of an emergency or to monitor the status of any on-site emergency, call (925) 432 5500.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

A4 - Sand Creek
Sand Creek is prone to flooding during rainy seasons due to debris build-up. Regular inspection of the Sand Creek by Brentwood Public Works is conducted in accordance with the creek maintenance plan and schedule for the local area. The Public Works Department checks creek levels during the rainy season and during large storm events. Contact the Brentwood Public Works Department for information regarding creek maintenance and water levels. Brentwood Public Works Dept. Operations Division (925)516-6000, Engineering Division (925)516-5420

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

A4 - Sand Creek
Sand Creek is prone to flooding during rainy seasons due to debris build-up. Regular inspection of the Sand Creek by Brentwood Public Works is conducted in accordance with the creek maintenance plan and schedule for the local area. The Public Works Department checks creek levels during the rainy season and during large storm events. Contact the Brentwood Public Works Department for information regarding creek maintenance and water levels. Brentwood Public Works Dept. Operations Division (925)516-6000, Engineering Division (925)516-5420

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.
B19 - Local Marinas are Recreation
Businesses and resort goers are vulnerable due to remote access in the southeastern horn of the island, near the confluences of the San Joaquin and Mokelumne River. Approximately four marinas are located in the immediate area. It may take 6-7 days to repair breaches and extended periods of time to dewater the Island. Approximately 13,000 acres of land will experience 1-2 months down time, i.e. loss of power and water. After extended outages, it may be necessary to evacuate areas effect by levee breach or flooding. The stretch of levee along Brannan Island Road at the River's Edge Marina & Resort is a low area possibly exposing vulnerability to resort area at River's Edge Marina & Resort. River's Edge Marina & Resort (916)777-6172
B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)-777-7701
B24 - Brannan-Andrus Levee Maintenance District
The Brannan-Andrus Levee Maintenance District and RD 2067, 317, & 407 drainage overview maps depicts drainage control for the entire area. The entire area drains to the southern portion of the Island
B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

flood contingency options

B12 - Brannan-Andrus, Failure of Jackson Slough Levee on RD 2067 (Brannan Island)
This scenario will lead to flooding of Brannan Island west of South Jackson Slough, which is known as stress area.
Actions
1. Coordinate with Brannan-Andrus Levee Maintenance District (BALMD) as they oversee de-watering activities on floodfight strategy. 2. Determine evacuation routes for population on eastern and western portions of the island. 3. Coordinate with Caltrans for closure of State Highway 12. 4. Determine protection plan for drainage structures and pump stations along southern levee.

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special flood considerations

A1 - Bethel Island Bridge
Bethel Island Bridge provides the only egress on and off the island for motor vehicles. Contact Bethel Island Improvement District for evacuation and mass care operations and instructions. There are a total of 13 rally points, all with signs placed at the street entrance to the following marinas: San Joaquin Yacht Club, Mariner Cove Marina, Caliente Harbor, Anchor Marina, D'Anna Yacht Center, Emerald point Marina, Frank's Marina, Lundborg Landing, Sugar Barge Marina, Russo's Marina, Beacon Harbor, Bethel Harbor and Willowest Harbor. See the Transfer Pick-up Points located around the perimeter of Bethel Island.
A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.
A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.
A6 - Evacuation Concerns
In major levee breach and resulting large scale flood event, have all personnel and equipment evacuate to high ground, most commonly the levee crown.
A7 - Disease Control
There are 220 head of cattle on the island at all times. During a flood many head of cattle could become trapped and/or perish. Animal carcass management is a concern for disease control. Coordinate with the California Department of Food and Agriculture through the local county OES for disposal methods.
A9 - Horse Shoe Bend Failures
A January 2006 storm event caused two levee failures in the area of Horseshoe Bend. Horseshoe Bend will be undergoing levee improvements to meet CALFED Levee Stability Program requirements.
A10 - Floodfight Personnel
On site flood fight personnel are manned through the RD HQ. Personnel have knowledge of in-place standard operating procedures based on daily conditions, schedule, etc. RD HQ has capability to man 24/7 levee patrol and preventative preparation in advance of storm.
A11 - Cypress Grove Detention Basin
The Cypress Grove Detention Basin operations manual addresses all aspects of the stormwater pond's maintenance, such as desilting, weed and trash abatement, excessive vegetation growth at the outfall/low flow channel, maintenance of inlet and outlet structures, embankment maintenance, acceptable chemical use and basin access. If the operations manual is not adhered to the detention basin could overtop causing flooding in the adjacent neighborhood and nearby Contra Costa Canal. Consult the City of Oakley and or the Maintenance POC for Cypress Grove properties.
A12 - Utility Infrastructure
Two electrical transmission lines run parallel to western side of Jersey Island Road (Path 15 Connector) and cross the perimeter levee east of Jersey Island Road Bridge. Another transmission line runs to the east side of Jersey Island Road and crosses the perimeter levee at the confluences of Dutch and Taylor Slough.
A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.
A14 - Slope
General slope characteristic is toward the center of the island.
A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.
A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.
A17 - Carless Population
Mobile home park with special transportation and evacuation needs exist in this area and should be coordinated through the county OES.
B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.
B31 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on Sherman Island near East Levee Road along the San Joaquin River.

flood contingency options

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.
A3 - RD 0830, Failure of Taylor Slough Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 10 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

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special flood considerations

A1 - Bethel Island Bridge
Bethel Island Bridge provides the only egress on and off the island for motor vehicles. Contact Bethel Island Improvement District for evacuation and mass care operations and instructions. There are a total of 13 rally points, all with signs placed at the street entrance to the following marinas: San Joaquin Yacht Club, Mariner Cove Marina, Caliente Harbor, Anchor Marina, D'Anna Yacht Center, Emerald point Marina, Frank's Marina, Lundborg Landing, Sugar Barge Marina, Russo's Marina, Beacon Harbor, Bethel Harbor and Willowest Harbor. See the Transfer Pick-up Points located around the perimeter of Bethel Island.
A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.
A9 - Horse Shoe Bend Failures
A January 2006 storm event caused two levee failures in the area of Horseshoe Bend. Horseshoe Bend will be undergoing levee improvements to meet CALFED Levee Stability Program requirements.
A12 - Utility Infrastructure
Two electrical transmission lines run parallel to western side of Jersey Island Road (Path 15 Connector) and cross the perimeter levee east of Jersey Island Road Bridge. Another transmission line runs to the east side of Jersey Island Road and crosses the perimeter levee at the confluences of Dutch and Taylor Slough.
A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.
A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.
A17 - Carless Population
Mobile home park with special transportation and evacuation needs exist in this area and should be coordinated through the county OES.

flood contingency options

A3 - RD 0830, Failure of Taylor Slough Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 10 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.
C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.
Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.

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special flood considerations

A2 - Holland Tract Bridge
Holland Tract Bridge is the only egress on and off Holland Tract for motor vehicles. A secondary bridge is located in the general vicinity of Sandmound Blvd. Contact the local RD to gain access to Sandmound Blvd in the event of an emergency.
A15 - Hotchkiss Tract
The development of Summer Lakes in Oakley is surrounded by a dry land levee. If the levees around Hotchkiss Tract would fail, Summer Lakes could be isolated by floodwaters. Populations in this area should be evacuated during elevated threat levels. Consult the county OES for evacuation procedures in this area.
A16 - High Water Event
The Contra Costa Canal diverts water from Rock Slough area and conveys water for agricultural and municipal purposes. Contra Costa Canal is the backbone of the Contra Costa Water District (CCWD), delivering water from the Delta to the District's treatment facilities and raw-water customers. Water is supplied to the canal from Old River via the Los Vaqueros Project pipelines and from Rock Slough. This canal serves a population of approx. 550,000 people in east Contra Costa County. In the event of high water or flooding, OES operators should coordinate with the Contra Costa Water District to monitor levee, flood and water conditions in Rock Slough. The Old River Pumping Plant, which is the intake for Los Vaqueros and an alternate intake for the Contra Costa Canal are protected by levees.
A18 - Orwood Palm RD 2024
This district is a combination of RD 2024 Orwood Tract, and RD 2036 Palm Tract.
A19 - Mokelumne Aqueduct No. 3
EBMUD owns this primary water transport facility which supplies water to most of the East Bay area; The pipeline traverses Orwood Palm following the BNSF Railway Line and is 2.2 meters in diameter. EBMUD has very limited local water storage or supplemental local supply sources. If the aqueduct failed, the supply of water to the East Bay would be majorly affected.
A20 - Kinder-Morgan Fuel Line Warning
A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.
A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm; If a flooding is imminent or occurs, call the BNSF Stockton office at (209) 942 5438.
A25 - Utility Infrastructure Warning
WAPA electrical transmission lines cross the south west horn of RD 2072, Woodward Island and north through the middle of RD 2024 Palm-Orwood.
C20 - Camp Number Reference
In 1920's and 1930's the island was sold to individual farm families by California Delta Farm Company. These families farmed a section of the island subsequently called a "camp". These separately owned or farmed sections became numbered at some point. While ownership of the island subsequently reverted to a much smaller number of individuals, the tradition of referring to parts of the island by their old camp number has been retained. Location of Camps are located on the San Joaquin County OES Flood Contingency Planning Maps.
C26 - Vehicle Egress
Woodward Island has good levee accessibility on all-weather roads located a top levee crowns. Victoria Island sparsely populated. Recommend helicopter evacuation of work crews and population if flood event is accompanied with sustained rainfall.
C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at 209-466-9625.
C91 - Utility Infrastructure Warning
There is a Kinder Morgan fuel transmission line adjacent to the EBMUD aqueduct/pipelines across the north end of RD 2072, Woodward Island.

flood contingency options

C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.
Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.

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special flood considerations

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.
A23 - Clifton Court Forebay Daily Operations
During actual daily project operations, data are transmitted hourly to DWR and Reclamation hydrometeorological systems in their water management control centers in Sacramento. These data consist of river flows, tides, salinity, and wind speed/direction at various Delta locations. If the data indicate a significant deviation from the planned conditions, one or more of the three following operational changes can be implemented: (1) adjust project reservoir releases; (2) adjust Delta export levels; and (3) close or open the Delta Cross Channel gates. Reservoir releases are most effective for meeting Sacramento River salinity criteria or Delta outflow criteria. San Joaquin River salinity criteria (most frequently at Jersey Point) are most effectively met by adjusting the amount of export pumping.
A24 - Old River Scour
Clifton Court Forebay is located directly west across Western Canal from Coney Island and pumps a large amount of water to Southern California. The pumping of enormous volumes of water has caused severe scouring of the river bottom, which possibly will cause an increase in seepage volumes and locations as well as an increase in waterside levee erosion over time. Current depths along the Western Canal from Levee STA. 130+00 to 200+00 is roughly 30-40 FT.
C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at 209-466-9625.
C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.
C30 - Contra Costa Water District
The CCWD Primary levee is set back to provide proper protection for pumping facility operations. Flooding of island could cause limited to major damage to infrastructure. Pumping would stop until dewatering of district pump facilities. Alternate pumping station on Byron Tract could take over pumping operations if operations were halted for extended periods of time.
C93 - Water Supply
The CCWD Los Vaqueros Intake Pipeline conveys public water supply from the Old River Pump to Los Vaqueros Reservoirs and other storage areas for approx. 265,000 people.

flood contingency options

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.
Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.

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special flood considerations

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.
A23 - Clifton Court Forebay Daily Operations
During actual daily project operations, data are transmitted hourly to DWR and Reclamation hydrometeorological systems in their water management control centers in Sacramento. These data consist of river flows, tides, salinity, and wind speed/direction at various Delta locations. If the data indicate a significant deviation from the planned conditions, one or more of the three following operational changes can be implemented: (1) adjust project reservoir releases; (2) adjust Delta export levels; and (3) close or open the Delta Cross Channel gates. Reservoir releases are most effective for meeting Sacramento River salinity criteria or Delta outflow criteria. San Joaquin River salinity criteria (most frequently at Jersey Point) are most effectively met by adjusting the amount of export pumping.
A24 - Old River Scour
Clifton Court Forebay is located directly west across Western Canal from Coney Island and pumps a large amount of water to Southern California. The pumping of enormous volumes of water has caused severe scouring of the river bottom, which possibly will cause an increase in seepage volumes and locations as well as an increase in waterside levee erosion over time. Current depths along the Western Canal from Levee STA. 130+00 to 200+00 is roughly 30-40 FT.
C36 - Access to Coney Island
Only ground access to Coney Island is through RD #2. In the event of flooding of RD 0002, an emergency access plan would be needed to provide Coney Island with flood fight supplies and other emergency needs.

flood contingency options

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.
Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

Sacramento County

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special flood considerations

B2 - Interstate 5
Interstate 5 is below predicted base flood elevations. It is important to note that flooding is a threat on the eastern and western sides of I-5. Backwaters from local drainage creeks and Delta levee failure are a concern in this area, major storm events should cause multi-directional flooding.
B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours; flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).
B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.
B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.
B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.
B6 - Transportation Concern
The width of Hwy 160 makes U-turns difficult for large equipment and trucks.
B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.
B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.
B10 - Project Levee River Road Hwy
Highway 160 links SR 4 in Antioch with Sacramento via the Antioch Bridge. The highway along the Sacramento River is approx 12 FT higher than the adjoining ground in many places, however, Highway 160 has sloughing and cracking in many areas along the levee crown.
C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.
C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.
C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

Special Flood Considerations & Flood Contingency Options by Page

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special flood considerations

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.

B10 - Project Levee River Road Hwy
Highway 160 links SR 4 in Antioch with Sacramento via the Antioch Bridge. The highway along the Sacramento River is approx 12 FT higher than the adjoining ground in many places, however, Highway 160 has sloughing and cracking in many areas along the levee crown.

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.

C1 - Floodwaters
Following 1986 flood, the railroad raised track embankment by 2 FT and strengthened embankments with additional rock. In the event of a levee failure east of the railroad track, ponding floodwaters may break through embankment. There have been previous embankment failures along the railroad track in this area. The strengthened embankment will hold longer, allowing floodwaters to pond at greater depths, which may cause greater destruction if embankment fails. Possibility exists of significant flow through Thornton if embankment fails at that location or south of town.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29)

C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.

C8 - 1986 Levee Breech
Levee failed around 6:55 a.m., on February 22, 1986, less than an hour after passage of levee patrol. This area was, and historically has been, an area of heavy seepage. The levee was supersaturated from a long period of high water levels and subsequently lost its ability to hold even though water levels had receded around one and one-half feet from highs prior to break.

C9 - 1986 Levee Repair
The levee breach between STA. 750+00 and 770+00 stabilized and water moving through receded rapidly. The dredger used to repair the break had to trench a channel to gain access and move into position.

C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

C83 - New Hope Tract (RD 348) Access
Entrance gates to all levees in RD 348 are locked to the public. Contact District Representative to gain emergency access.

flood contingency options

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.

Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.

Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district. 4. Place visquine on inside of primary levees where erosion from impounded waters is possible

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special flood considerations

B6 - Transportation Concern
The width of Hwy 160 makes U-turns difficult for large equipment and trucks.

B8 - RD 369
In 1995 (El Nino year), a high water occurred along the levee located on the eastern section of RD 369 due to high water levels on the Cosumnes River. The water flowed into RD 369 from a northern direction.

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.

E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.

E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.

E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

flood contingency options

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).

Actions
1. Raise and reinforce the Andrus cross levee.

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special flood considerations

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B18 - Oxbow Marina
Oxbow Marina located on the Georgiana Slough contains some permanent populations that may get isolated during or after a levee failure event.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29).

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C11 - Levee Patrol Procedures and Considerations - Canal Ranch
District President will initiate and coordinate patrols upon prediction that water elevations will reach Monitor Stage at Benson Ferry Gauge. District will conduct three patrols per day at Monitor Stage and continuous 24-hour a day patrols at Flood Stage. Patrol personnel meet at Canal Ranch Headquarters on north side of district to receive briefings, meet relief crews, and exchange communications equipment. Patrols provided with sandbags, shovels, and other supplies to respond to problems. Single 2 person patrol to cover the seven miles of primary levee starting from Canal Ranch Headquarters and exiting at east end of Hog Slough.

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C83 - New Hope Tract (RD 348) Access
Entrance gates to all levees in RD 348 are locked to the public. Contact District Representative to gain emergency access.

flood contingency options

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.

Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).

Actions
1. Raise and reinforce the Andrus cross levee.

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.

Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping station and begin dewatering upon repair of breach

C6 - RD 2086 - Canal Ranch, Failure of Primary Levee
The general floodfight strategy will be to close breach and install emergency pumping capacity at site of current district pumping station on south side of district to dewater district

Actions
1. Armor edges of breach to limit length of levee washed out 2. Install emergency pumping capacity pending closure of breach at site shown for district pumping station 3. Protect interior slopes of primary levee from damage from impounded water

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.

Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

C9 - RD 2033 - Brack Tract, Failure of Primary Levee
The primary floodfight strategy will be to prevent movement of floodwaters east of Interstate 5 or south into Terminous Tract from end of Sycamore Slough.

Actions
1. Repair levee breech 2. Evaluate potential extend of movement of floodwaters to East and potential depths and prepare plans for emergency berms at Interstate 5 underpass or extending East from Sycamore Slough if warranted 3. Place visquine on inside of primary levees where exposed to wave action to reduce damage to interior of levees 4. Place additional pumps at district pumping station for dewatering operations

C10 - RD 2033 - Brack Tract, Failure of private levees on south bank of Mokelumne River east of district
The primary floodfight strategy will be to prevent movement of floodwaters into district from the East

Actions
1. Extend Brack Tract Dryland Levee and hold floodwaters at this point and install pumps to move floodwaters into Hog Slough.

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special flood considerations

B17 - Evacuation Concerns
The entire community of Isleton is in the Sacramento River FEMA 100-year floodplain, so it is possible that the community could be inundated from large scale flooding. Isleton contains a population of approx. 800 residents and limited public safety officers, evacuation coordination is a concern if local resources are exhausted.

B18 - Oxbow Marina
Oxbow Marina located on the Georgiana Slough contains some permanent populations that may get isolated during or after a levee failure event.

B19 - Local Marinas are Recreation
Businesses and resort goers are vulnerable due to remote access in the southeastern horn of the island, near the confluences of the San Joaquin and Mokelumne River. Approximately four marinas are located in the immediate area. It may take 6-7 days to repair breaches and extended periods of time to dewater the Island. Approximately 13,000 acres of land will experience 1-2 months down time, i.e. loss of power and water. After extended outages, it may be necessary to evacuate areas effect by levee breach or flooding. The stretch of levee along Brannan Island Road at the River's Edge Marina & Resort is a low area possibly exposing vulnerability to resort area at River's Edge Marina & Resort. River's Edge Marina & Resort (916)777-6172.

B20 - Highway 12 Grade
California Highway 12 traversing Brannan Island RD 317 is at grade and may be effected any combination of levee failures. The highway also transects the lower elevations of the island. Some areas of Highway 12 or approx. 15 FT below sea level.

B21 - Low Lying Areas
Areas north and south of Tyler Island Bridge Rd on narrower portion of Andrus Island are low lying areas. Be advised that floodwaters will fill the toe drains in the center of the Andrus Island and head south to pump stations located in lower areas of Island. General slope of the island is north to south.

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.

B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)-777-7701.

B24 - Brannan-Andrus Levee Maintenance District
The Brannan-Andrus Levee Maintenance District and RD 2067, 317, & 407 drainage overview maps depicts drainage control for the entire area. The entire area drains to the southern portion of the Island.

B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

C18 - Levee Patrol Procedures and Considerations
District Superintendant organizes patrols. Patrols meet and organize at District Shop. 2, patrols run North and South from shop and meet at PS #1. The District will run patrols at 30 minutes intervals.

E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

flood contingency options

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).

Actions
1. Raise and reinforce the Andrus cross levee.

B12 - Brannan-Andrus, Failure of Jackson Slough Levee on RD 2067 (Brannan Island)
This scenario will lead to flooding of Brannan Island west of South Jackson Slough, which is known as stress area.

Actions
1. Coordinate with Brannan-Andrus Levee Maintenance District (BALMD) as they oversee de-watering activities on floodfight strategy. 2. Determine evacuation routes for population on eastern and western portions of the island. 3. Coordinate with Caltrans for closure of State Highway 12. 4. Determine protection plan for drainage structures and pump stations along southern levee.

C16 - RD 756 - Bouldin Island, Failure of Primary Levees
The general floodfight strategy will be to seal the breach when able and install emergency pumps at the location for the emergency pumping station to dewater the district

Actions
1. As soon as able, armor ends of break to stabilize growth of breach 2. Seal break once waters have stabilized 3. Place emergency pumps at emergency pumping station and begin dewatering upon repair of breach

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special flood considerations

A5 - Utility Infrastructure
Major utility crossings exist in this area. Utility crossings including three sets of high power electrical lines (PG&E and WAPA), and one 42-INCH high-pressure gas main. Coordinate with local county OES office in the event that utilities crews are needed.

A6 - Evacuation Concerns
In major levee breach and resulting large scale flood event, have all personnel and equipment evacuate to high ground, most commonly the levee crown.

A7 - Disease Control
There are 220 head of cattle on the island at all times. During a flood many head of cattle could become trapped and/or perish. Animal carcass management is a concern for disease control. Coordinate with the California Department of Food and Agriculture through the local county OES for disposal methods.

A10 - Floodfight Personnel
On site flood fight personnel are manned through the RD HQ. Personnel have knowledge of in-place standard operating procedures based on daily conditions, schedule, etc. RD HQ has capability to man 24/7 levee patrol and preventative preparation in advance of storm.

A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.

A14 - Slope
General slope characteristic is toward the center of the island.

B23 - Brannan Island State Recreation Area
Approx. 336 acres in size, contains water access with a six lane launch ramp. The park is a high use recreation area which receives heavy use from May through October, coordinate evacuation with the State Park, (916)-777-7701

B25 - RD 341
The southern levee on the San Joaquin River side failed and flooded the island on January 20, 1969. Upon finding the break, a large quantity of rock was placed on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tidal movement. Without placement of the rock, the break, which was approximately 275 feet wide and about 45 feet below mean sea level, would have been greatly enlarged. After the break, the water inside the island equalized with San Joaquin River heights. The floodwaters incised a deep channel on the waterside/landside toe of the levee at the site of the break. USACE repaired, re-sloped, and re-graded the levee break area after the 1969 break.

B26 - RD 341
Serious levee breach and major flooding of RD 341 occurred during 1904 when a crevasse opened on Mayberry Slough. Floodwaters again inundated the Island in 1906, 1909 and most recently on January 20, 1969, when a Sherman Island levee failed during storm.

B27 - RD 341 Levee Improvements
Landside levee improvements to control seepage was completed in 2002 which consisted of internal drainage features and stabilizing levee embankment.

B28 - Sherman Island
Sherman Island is located at the confluences of the Sacramento and San Joaquin River. The 14,000-acre island has numerous lifelines that pass across, under and over the island. Natural gas pipelines, regional electricity transmission lines, two deepwater shipping channels run alongside it, and Highway 160 (a link between major expressways Hwy 80 and 4, and a "short-cut" to Sacramento) all transect the island.

B29 - RD 341
Along West Sherman Island Road, on the east side of Sherman Lake the weakest point of the levee exists and is susceptible to breaching.

B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.

B31 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on Sherman Island near East Levee Road along the San Joaquin River.

B32 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on West Sherman Island Road along the Sacramento River between Station 700+00 and 720+00.

B33 - RD 341
Entrance to Mayberry Slough is not accessible by a rock barge as the water level is too shallow.

B34 - RD 341
In 1990 a drainage system was installed on the landside levee berm to control seepage from station 410+00 to 480+00. Occasional boils and/or sinkholes have developed and been repaired in the area between 410+00 and 440+00.

B35 - RD 341
A sand boil occurs repetitively on West Sherman Island Road between Station 700+00 and 730+00.

B36 - RD 341
The southern levee on the San Joaquin River, a 60 FT hole exists at the weakest point of the levee. The levee has visible cracking.

B37 - RD 341
The center of Sherman Island is approximately 20' - 30' below sea level. Any failure of the levee system surrounding the island would result in major flooding of the entire island and the closure of Highway 160.

flood contingency options

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.

Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.

B14 - RD 341, Failure of the Southern Levee on RD 341
The general floodfight strategy is to place a large quantity of rock on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tide.

Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

Special Flood Considerations & Flood Contingency Options by Page

San Joaquin County

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special flood considerations

B1 - Bean Ranch Eastern Levee
Since 1997 owners of Bean Ranch have widened their eastern levee although elevation remains the same. Levee will not fail as quickly but will suffer more extended overtopping before levee failure. This delay could allow floodwaters to back up more than in the past prior to catastrophic failure of levee creating a stronger flow through the Bean Ranch and back into the Mokelumne River channel against RD 348 levees.

B12 - Walnut Grove
Walnut Grove contains a population of approximately 1,500 people. In the event that the District has prior notice, or otherwise believes a levee failure appear imminent or has occurred, District personnel shall immediately notify Emergency Management Personnel to start evacuation procedures. If the district does not have prior notice of a possible levee failure (e.g. earthquake), island residents are advised to move to levee crowns and evacuate as soon as possible.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

C1 - Floodwaters
Following 1986 flood, the railroad raised track embankment by 2 FT and strengthened embankments with additional rock. In the event of a levee failure east of the railroad track, ponding floodwaters may break through embankment. There have been previous embankment failures along the railroad track in this area. The strengthened embankment will hold longer, allowing floodwaters to pond at greater depths, which may cause greater destruction if embankment fails. Possibility exists of significant flow through Thornton if embankment fails at that location or south of town.

C2 - River Flows
A maximum permissible flow on Mokelumne River below Camanche Dam is 5,000 CFS. Most reasonable spill scenarios would peak at around 10,000 cubic feet per second. District officials feel that flows much above 5,000 CFS combined with probable significant flows on Cosumnes River would overtop southeast sections of primary district levees.

C3 - Historic Flood Path
Historic floodwaters flowed through Barber Road underpass and caused concrete embankments to wash out. Water sheet flowed over Walnut Grove Road from the north, which is the high point of district, and a dividing line for a north south flood fight east of Highway 5. Walnut Grove Road can serve as a temporary embankment for keeping floodwaters contained north. The Walnut Grove Road embankments served to hold backwater for three consecutive days in the past. However, water broke over road and flooded southern part of district to much greater depths. Floodwater has been reported be 7 FT deep in some areas after prolonged flooding.

C4 - Bean Ranch
Eastern levee of Bean Ranch (McCormack-William Track, RD 2110) normally fails an 18 FT crest leading to rapid filling of this area. When the Bean Ranch fills, floodwater then breaks back into Mokelumne River at its south end pushing water to top of RD 348 western levee. The exact location where it will break back is uncertain. The complete western stretch of levee from I-5 to South Mokelumne Rive Dr. is at risk to high flows directly on levee embankments. In 1997, water broke back into channel in this manner and pushed water to levee crown. Crews were on site to sandbag low spots to prevent overtopping. These high water levels opened up a rodent holes and district officials barely managed to prevent levee failure.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29)

C7 - Railroad Embankment
Water flow under the railroad embankment through a large culvert eventually washed out the culvert and a large hole developed in the embankment structure. This initial failure rapidly reduced water levels east of the railroad embankment and began flooding the area between the railroad and Interstate 5. This wash out occurred some 6 hours after the failure of the primary levee at around 2:00 p.m.

C8 - 1986 Levee Breech
Levee failed around 6:55 a.m., on February 22, 1986, less than an hour after passage of levee patrol. This area was, and historically has been, an area of heavy seepage. The levee was supersaturated from a long period of high water levels and subsequently lost its ability to hold even though water levels had receded around one and one-half feet from highs prior to break.

C9 - 1986 Levee Repair
The levee breach between STA. 750+00 and 770+00 stabilized and water moving through receded rapidly. The dredger used to repair the break had to trench a channel to gain access and move into position.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C81 - Levee Improvements
In 1997 the levee along the western bank of the Mokelumne River was improved with internal drainage features stabilizing levee embankments.

C82 - Mokelumne River South Bank
In 2010, the south bank levee from the western side of the Interstate 5 bridge (over the Cosumnes River), to North Mokelumne River near Walnut Grove Road, received drainage repairs and enhancements. Embankment repair and stabilization included the addition of internal levee drainage features.

C83 - New Hope Tract (RD 348) Access
Entrance gates to all levees in RD 348 are locked to the public. Contact District Representative to gain emergency access.

flood contingency options

C2 - RD 348, Upstream Break on Mokelumne River
The general floodfight strategy will be to hold Hartog Dryland Levee to prevent flooding of district and facilitate movement of floodwaters through railroad trestle into Beaver Slough.
Actions
1. Raise Hartog Dryland Levee, sandbag Kyle Road underpass at west end of levee, and place wave and seepage protection plastic on front face of levee. 2. Clear brush and debris from Union Pacific railroad trestle at west end of Hartog Dryland Levee to facilitate flow of floodwaters through trestle and into Beaver Slough.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.
Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible

C4 - RD 348, Failure of Primary Levees West of Interstate 5
The general floodfight strategy will be to monitor backup of floodwaters to Interstate 5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). The response actions documented for this scenario were developed in conjunction with San Joaquin OES Flood Contingency Maps. Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor I-5 for signs that flood waters could back up into Thornton (unlikely) 2. Repair levee break 3. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district. 4. Place visquine on inside of primary levees where erosion from impounded waters is possible

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.
Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

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special flood considerations

B15 - RD 563
Improvements were made to the Giusti's Levee on the north east side of Tyler Island between STA. 50+00 and 20+00.

B16 - Levee Improvements
In 2011, the levee crown from 407+00 (Wimpy's Marina), to levee station 413+00 was raised 1' above the 100-year flood elevation.

C2 - River Flows
A maximum permissible flow on Mokelumne River below Camanche Dam is 5,000 CFS. Most reasonable spill scenarios would peak at around 10,000 cubic feet per second. District officials feel that flows much above 5,000 CFS combined with probable significant flows on Cosumnes River would overtop southeast sections of primary district levees.

C5 - Beaver Slough Relief Cut
A historic relief cut was made on 4th day of consecutive flooding. Once water built up above water elevation of the Mokelumne River, a relief cut was made and repaired by a dredger. The repair was accomplished with fill dirt with large riprap placed on ends points to stabilize breach.

C6 - Thornton High Ground
The Town of Thornton is mainly situated on high ground. Parts of the town remained dry in a 1986 flood, water levels reached 18 FT (NGVD 29).

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C11 - Levee Patrol Procedures and Considerations - Canal Ranch
District President will initiate and coordinate patrols upon prediction that water elevations will reach Monitor Stage at Benson Ferry Gauge. District will conduct three patrols per day at Monitor Stage and continuous 24-hour a day patrols at Flood Stage. Patrol personnel meet at Canal Ranch Headquarters on north side of district to receive briefings, meet relief crews, and exchange communications equipment. Patrols provided with sandbags, shovels, and other supplies to respond to problems. Single 2 person patrol to cover the seven miles of primary levee starting from Canal Ranch Headquarters and exiting at east end of Hog Slough

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C15 - Caltrans Drain Pipe at Highway 12 Bridge
Department of Transportation (Caltrans) has electrical system and conduits located near eastern end of bridge over Little Potato Slough to serve bridge systems. Drainpipe installed to prevent flooding of electrical conduits during high tide stages.

C79 - Levee Improvements
The middle section Tyler Island on the western bank of the North Fork Mokelumne River has undergone improvements.

C80 - Wave Run-Up
In 2006, a flood fight was conducted to battle wave run-up. Damage from wave run-up was a result of 60 mph winds occurring near the north bank of Beaver Slough.

C81 - Levee Improvements
In 1997 the levee along the western bank of the Mokelumne River was improved with internal drainage features stabilizing levee embankments.

flood contingency options

B2 - RD 563, Failure of Walnut Grove-Thornton Road Cross Levee on RD 0554 (Walnut Grove) or RD 0563 (Tyler Island)
This scenario will lead to flooding of Tyler Island. The general floodfight strategy will be to prevent southward movement of floodwaters. The breach would occur if Walnut Grove floods.
Actions
1. Floodfight Walnut Grove-Thornton Road. 2. Review plan to floodfight Tyler Island.

B11 - RD 0556, Levee Failure and flooding on RD 0556 (Upper Andrus Island)
This scenario will lead to pressure on the Andrus cross levee at the border of Andrus (RD 0407) and Upper Andrus Island (RD 0556).
Actions
1. Raise and reinforce the Andrus cross levee.

C2 - RD 348, Upstream Break on Mokelumne River
The general floodfight strategy will be to hold Hartog Dryland Levee to prevent flooding of district and facilitate movement of floodwaters through railroad trestle into Beaver Slough.
Actions
1. Raise Hartog Dryland Levee, sandbag Kyle Road underpass at west end of levee, and place wave and seepage protection plastic on front face of levee. 2. Clear brush and debris from Union Pacific railroad trestle at west end of Hartog Dryland Levee to facilitate flow of floodwaters through trestle and into Beaver Slough.

C3 - RD 348, Failure of Primary Levees East of Interstate 5
The general floodfight strategy to monitor railroad embankment as noted to minimize damage to Thornton.
Actions
1. If break is on primary levee between Interstate 5 and Union Pacific Railroad tracks, monitor and patrol railroad embankment to prevent embankment failure with flooding of eastern side 3. If break is east of railroad tracks, monitor railroad embankment as waters pond to prevent breakthrough directly into Town of Thornton with resulting high velocity water flow damage 4. Repair levee break 5. Identify lowest accessible point in flooded area for emergency pumping station. Install additional pumps at emergency pumping location for dewatering of district 6. Place visquine on inside of primary levees where erosion from impounded waters is possible.

C6 - RD 2086 - Canal Ranch, Failure of Primary Levee
The general floodfight strategy will be to close breach and install emergency pumping capacity at site of current district pumping station on south side of district to dewater district.
Actions
1. Armor edges of breach to limit length of levee washed out 2. Install emergency pumping capacity pending closure of breach at site shown for district pumping station 3. Protect interior slopes of primary levee from damage from impounded water.

C7 - RD 2086 - Canal Ranch, Upstream Break on Mokelumne River or Failure of Hog or Beaver Sloughs East of Canal Ranch Dryland Levee
The general floodfight strategy will be to hold Canal Ranch Dryland levee on east side of district to prevent flooding of district and facilitate movement of floodwaters into Hog Slough.
Actions
1. Clear vegetation from east slope of Canal Ranch Dryland Levee and place protection for wave wash. 2. Stage equipment to place or move additional fill to low or weak portions of Canal Ranch Dryland Levee 3. Initiate patrol of Canal Ranch Dryland Levee and position materials for addressing identified problems with seepage or overtopping. 4. Maintain access to district primary levees through Beaver Slough levees (or Hog Slough in the event of failure of Beaver Slough east of district) to continue patrol and flood fight of primary levees 5. Evaluate need for barge or boat access to primary levees in the event that extensive flooding to east of district restricts ground access. Identify landing area. 6. Stage drainage pumps in relieve ponded floodwaters on east side of Canal Ranch Dryland Levee into Hog Slough and Beaver Slough

C9 - RD 2033 - Brack Tract, Failure of Primary Levee
The primary floodfight strategy will be to prevent movement of floodwaters east of Interstate 5 or south into Terminous Tract from end of Sycamore Slough.
Actions
1. Repair levee breech 2. Evaluate potential extend of movement of floodwaters to East and potential depths and prepare plans for emergency berms at Interstate 5 underpass or extending East from Sycamore Slough if warranted 3. Place visquine on inside of primary levees where exposed to wave action to reduce damage to interior of levees 4. Place additional pumps at district pumping station for dewatering operations

C10 - RD 2033 - Brack Tract, Failure of private levees on south bank of Mokelumne River east of district
The primary floodfight strategy will be to prevent movement of floodwaters into district from the East
Actions
1. Extend Brack Tract Dryland Levee and hold floodwaters at this point and install pumps to move floodwaters into Hog Slough.

C13 - RD 548 - Terminous Tract, Failure of Primary Levees
The general floodfight strategy will be to prevent movement of floodwaters east of Upland Dryland Levee, repair break, preserves primary levees, and position additional pumping capacity to dewater district.
Actions
1. Repair break and lay visquine to protect interior slopes of primary levees. 2. Perform analysis of probable eastern extension of floodwaters toward Interstate 5 and, if warranted, prepare to flood fight upland Dryland Levee to prevent further eastward movement of floodwaters toward Interstate 5. 3. Move generator to Pumping Station #1 for use with existing pumps and install additional pumping capacity to dewater district. Movement of personnel and equipment to dewatering site will have to be by water or air. If failure is on North levee from East end of Sycamore Slough to Pumping Station #1 on the Mokelumne River.

C14 - RD 548 - Terminous Tract, Flood Flows Arriving From East From Mokelumne River Flood
The general floodfight strategy will be to flood fight the Upland Dryland Levee to prevent movement of water into district and to attempt to maintain egress and safety of Highway 12.
Actions
1. Patrol Upland Dryland Levee and monitor for potential for overtopping or failure due to erosion or seepage. 2. Position resources to respond to potential problems at pre-planned delivery point. 3. Open gates at end of Upland Canal and Highland Canal.

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special flood considerations

C10 - Brack Tract Utilities
Underground PG&E gas lines with flow toward East run through RD 2033. Lodi Gas Storage gas lines also run through RD 2033. Underground lines include two 8 INCH lines and one 12 INCH line running parallel to Woodbridge Road and across Mokelumne River at west end of RD 2033. Monitoring wells are placed where lines penetrate levees as a safety precaution.

C12 - Brack Tract Levee Patrol Procedures and Considerations
District president determines need and frequency of patrols and organizes patrols. Patrol members meet at Del Rio Partners Offices to receive assignments and determine schedules. Patrols organized into three sectors as follows: - Del Rio Partners Offices to East end of Hog Slough - Del Rio Partners Offices to Merlo Camp Access Road ramp on Sycamore Slough - Merlo Camp Access Road ramp to East end of Sycamore Slough. Patrols report findings, status, and problems directly to District President.

C13 - Upland Dry Levee
The dryland levee (Guard Road) which runs along the west side of the Upland Canal south of Highway 12 has an extended low spot in its crest elevation along the section that separates Shin Kee Tract from Terminous Tract. The low point is about 318 feet north of the intersection of White Slough levee and Guard Road. One of the major past concerns of RD 548 has been that the Shin Kee tract levee will fail and then overtop and break the levee under Guard Road and flood Terminous Tract from the east. The District Engineer feels that this is a valid concern, not only from the possibility of overtopping, but also from rodent burrows penetrating the levee from one side to the other. At some time in the future, the Upland Dryland Levee will have to be raised and widened through the low section described above. Dryland levee was raised in 1953 from White Slough to point where Guard Road leaves levee top. The area has settled again since then.

C14 - Seepage Problem
Extensive seepage from rise of ground water existing in the fields near the northeast portions of Terminous Tract.

C15 - Caltrans Drain Pipe at Highway 12 Bridge
Department of Transportation (Caltrans) has electrical system and conduits located near eastern end of bridge over Little Potato Slough to serve bridge systems. Drainpipe installed to prevent flooding of electrical conduits during high tide stages.

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.

C17 - Levee Patrol Procedures And Considerations
The District Superintendent is responsible for initiating and organizing patrols. Patrol responsibilities are divided into four segments, 1. Intersection of upland Canal and Sycamore Slough to mouth of Sycamore Slough, 2. Mouth of Sycamore Slough to Highway I2 Bridge, 3. Highway 12 Bridge to Correia Road, 4.Correio Road to intersection of Guard Road and White Slough. Patrol members meet at Pumping Station #1 for assignments and briefings/debriefings.

C18 - Levee Patrol Procedures and Considerations
District Superintendant organizes patrols. Patrols meet and organize at District Shop. 2, patrols run North and South from shop and meet at PS #1. The District will run patrols at 30 minutes intervals.

C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.

C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.

C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C42 - RD 2044 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol members meet at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C84 - Ferry Access
This ferry is the only access point to RD 2023 (Venice Island). The ferry is shut down in high wind.

C85 - Evacuation Concern
Tower Park Marina has multiple residents with evacuation needs before and during a flood event. There are over 400 RV Sites and a large seasonal retirement population. Contact Tower Park Marina, General Manager for Emergencies (209) 365-4669.

flood contingency options

C9 - RD 2033 - Brack Tract, Failure of Primary Levee
The primary floodfight strategy will be to prevent movement of floodwaters east of Interstate 5 or south into Terminous Tract from end of Sycamore Slough.
Actions
1. Repair levee breech 2. Evaluate potential extend of movement of floodwaters to East and potential depths and prepare plans for emergency berms at Interstate 5 underpass or extending East from Sycamore Slough if warranted 3. Place visquine on inside of primary levees where exposed to wave action to reduce damage to interior of levees 4. Place additional pumps at district pumping station for dewatering operations

C10 - RD 2033 - Brack Tract, Failure of private levees on south bank of Mokelumne River east of district
The primary floodfight strategy will be to prevent movement of floodwaters into district from the East
Actions
1. Extend Brack Tract Dryland Levee and hold floodwaters at this point and install pumps to move floodwaters into Hog Slough.

C12 - RD 548 - Terminous Tract, Failure of Shin Kee Tract Levees
The general floodfight strategy will be to raise and hold Upland Dryland Levee on east side of district facing Shin Kee tract to prevent flooding of district.
Actions
1. Raise Upland Dryland Levee from White Slough to South end of Upland Canal 2. Establish patrol and response plan for dryland levee.

C13 - RD 548 - Terminous Tract, Failure of Primary Levees
The general floodfight strategy will be to prevent movement of floodwaters east of Upland Dryland Levee, repair break, preserves primary levees, and position additional pumping capacity to dewater district.
Actions
1. Repair break and lay visquine to protect interior slopes of primary levees. 2. Perform analysis of probable eastern extension of floodwaters toward Interstate 5 and, if warranted, prepare to flood fight upland Dryland Levee to prevent further eastward movement of floodwaters toward Interstate 5. 3. Move generator to Pumping Station #1 for use with existing pumps and install additional pumping capacity to dewater district. Movement of personnel and equipment to dewatering site will have to be by water or air. If failure is on North levee from East end of Sycamore Slough to Pumping Station #1 on the Mokelumne River.

C14 - RD 548 - Terminous Tract, Flood Flows Arriving From East From Mokelumne River Flood
The general floodfight strategy will be to flood fight the Upland Dryland Levee to prevent movement of water into district and to attempt to maintain egress and safety of Highway 12.
Actions
1. Patrol Upland Dryland Levee and monitor for potential for overtopping or failure due to erosion or seepage. 2. Position resources to respond to potential problems at pre-planned delivery point. 3. Open gates at end of Upland Canal and Highland Canal.

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special flood considerations

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.

C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.

C22 - Trees at structures
During a flood event the trees around the Duck Club (STA 350+00) might restrict large equipment access along the crown of the levee.

C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.

C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.

C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.

C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.

C46 - Ridge Tract Power
Two separate PG&E lines run into Ridge Tract from the north and the south. Switch mounted on telephone poll on northern end of island allows power to island to be switch from one source to the other.

C48 - Ship Traffic and Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levee. This ongoing erosion presents a constant threat to levee stability along channel.

C49 - Tidal Erosion
Erosion exists at Station 125+00 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.

C50 - Pumping Stations
Pumps and Motors are above 100 Year Flood Elevation

C84 - Ferry Access
This ferry is the only access point to RD 2023 (Venice Island). The ferry is shut down in high wind.

C86 - Levee Conditions
Prior to 1982 flood, all levees were HMP level. After 1982 flood trusties reconstructed levee to federal standards or better totaling more than $14 million in upgrades.

C87 - PG&E Presence
The main stakeholder in McDonald Island levee maintenance program is PG&E, and the levees are overbuilt for protection the major gas infrastructure. In addition to levee maintenance, PG&E contributes funding to, pump stations, roads and other flood control infrastructure in and around the island. McDonald Island is the PG&E largest gas storage facility in the California, and includes numerous injection wells and exactors designed to operate in flood conditions. Warning, many of the pipes may have minimal (less than 36 INCH) ground cover.

C88 - Blue Sand
This area is considered the "Deep Delta." Blue sand subsurface movement exists, tapping or surface disturbance can cause volcanic-like flows of sand resulting in inundation of infrastructure on the island.

C89 - Flood Fight Resources
Full-time managers, equipment (including tractors), and day laborers exist on the Island. To coordinate resource and labor support coordinate with the District Superintendent.

C90 - Evacuation
There are only a few locations on McDonald Island that provide safety from a flood. The best location for temporary safety is atop intact levee crowns surrounding the island.

flood contingency options

C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

Special Flood Considerations & Flood Contingency Options by Page

C35 - RD 2029, Failure of RD 2029 Primary Levee
This scenario will lead to flooding of Empire Tract up to Honker Cut. The general floodfight strategy will be to protect interior slopes of primary levees while repairing break and installing emergency pumping station to dewater district.
Actions
1. Repair Levee Breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees 4. Monitor increased seepage behind levees of adjacent districts.

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special flood considerations

A18 - Orwood Palm RD 2024
This district is a combination of RD 2024 Orwood Tract, and RD 2036 Palm Tract.
A19 - Mokelumne Aqueduct No. 3
EBMUD owns this primary water transport facility which supplies water to most of the East Bay area; The pipeline traverses Orwood Palm following the BNSF Railway Line and is 2.2 meters in diameter. EBMUD has very limited local water storage or supplemental local supply sources. If the aqueduct failed, the supply of water to the East Bay would be majorly affected.
A20 - Kinder-Morgan Fuel Line Warning
A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.
A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm; If a flooding is imminent or occurs, call the BNSF Stockton office at (209) 942 5438.
C19 - Access to Island
Ground access to island is normally provided by Bacon Island Road which runs from Highway 4 though Lower Jones Tract then up on top of the Jones Tract levee to the Bacon Island Bridge. In the event that Jones Tract is flooded, access to Bacon Island at the bridge would have to be by the Jones Tract levee top either from Whiskey Slough or Union Point depending on the location of the Jones Tract break. In 2004, flooding of Jones Tract led to degradation of the interior of its levees endangering the use of the levee crown for access to Bacon Island. In the event of flooding of Jones Tract, District officials will coordinate with Central Delta Flood Fight Unified Command and San Joaquin OES to establish an access plan using Jones Tract levee crowns. The access plan will include criteria for use and any frequency/timing limitations. District officials will also develop a plan with Central Delta Flood Fight Unified Command for water access to island in the event that all land access is lost. This plan will include identification and immediate action to make at least one waterborne loading/unloading point functional on the island levees, identification of whether movement needs to include only provision of supplies/personnel to island or also movement of crops from island. These plans will be signed off by Sheriff⁞ Department and agencies from Unified Command that agree to provide support for implementation.
C20 - Camp Number Reference
In 1920's and 1930's the island was sold to individual farm families by California Delta Farm Company. These families farmed a section of the island subsequently called a "camp". These separately owned or farmed sections became numbered at some point. While ownership of the island subsequently reverted to a much smaller number of individuals, the tradition of referring to parts of the island by their old camp number has been retained. Location of Camps are located on the San Joaquin County OES Flood Contingency Planning Maps.
C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.
C22 - Trees at structures
During a flood event the trees around the Duck Club (STA 350+00) might restrict large equipment access along the crown of the levee.
C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.
C24 - Mildred Seepage (STA 500+00 to 610+00)
Mildred Island flooded in 1983 and McDonald Island has experienced seepage along Latham Slough area since then. The seepage has affected the farming operation on McDonald Island.
C25 - PG&E Pipeline (STA 558+00)
PG&E pipeline crossing, lack of all weather facilities over location of pipeline at the top of levee.
C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.
C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.
C48 - Ship Traffic and Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levee. This ongoing erosion presents a constant threat to levee stability along channel.
C51 - RD 2037 Patrol Schedule
Superintendent coordinates patrol schedule and sector upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch and 2 experienced staff to patrol entire levee, communicate with cell phone.
C86 - Levee Conditions
Prior to 1982 flood, all levees were HMP level. After 1982 flood trusties reconstructed levee to federal standards or better totaling more than $14 million in upgrades.
C87 - PG&E Presence
The main stakeholder in McDonald Island levee maintenance program is PG&E, and the levees are overbuilt for protection the major gas infrastructure. In addition to levee maintenance, PG&E contributes funding to, pump stations, roads and other flood control infrastructure in and around the island. McDonald Island is the PG&E largest gas storage facility in the California, and includes numerous injection wells and exactors designed to operate in flood conditions. Warning, many of the pipes may have minimal (less than 36 INCH) ground cover.
C88 - Blue Sand
This area is considered the "Deep Delta." Blue sand subsurface movement exists, tapping or surface disturbance can cause volcanic-like flows of sand resulting in inundation of infrastructure on the island.
C89 - Flood Fight Resources
Full-time managers, equipment (including tractors), and day laborers exist on the Island. To coordinate resource and labor support coordinate with the District Superintendent.
C90 - Evacuation
There are only a few locations on McDonald Island that provide safety from a flood. The best location for temporary safety is atop intact levee crowns surrounding the island.
D15 - Rail Activity
Open trestle tracks have been declared invincible in the past. Currently, the whole railroad embankment is seeping. It has been advised not to run trains on the track by local RD personnel. In 1980's, the vibration from train operations caused the embankment to fail, resulting in a locomotive derailing off the railroad embankment. This could happen again, passenger trains could be compromised in the future if bank stabilization is not completed.
D16 - Utility Infrastructure
Kinder Morgan fuel transmission lines are located on the south side of the East Bay Municipal Utility District Aqueduct and the railroad embankment. Warning, utility personnel should coordinate emergency operations particularly on Lower Jones Tract, an island with multi levee failures.
D17 - Utility Infrastructure
24" transmission natural gas line is located in the area. Refer to gas line 57A, when coordinating with local Emergency Response Crews. .
D18 - Levee Integrity
Major seepage areas exist between levee STA 240+00 and STA 270+00. Levees in this area are in need of repair or upgrades.

flood contingency options

C18 - RD 2028, Failure of RD 2028 Primary Levee
This scenario will lead to flooding of all of Bacon Island. The general floodfight strategy will be to protect the interior of island levees and infrastructure while repairing the break and installing emergency pumping to dewater the island when that become possible.
Actions
1. Repair levee breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees from wave wash and interior floodwater while repairs can be made to perimeter levees.
C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.
C37 - RD 2037, 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
1. Assist with evacuation of island 2. Stabilize and repair breach 3. Install emergency pumping capacity at emergency pumping station location. 4. Lay visquine on interior slope of primary levee system to protect from wave wash from impounded water.

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special flood considerations

A18 - Orwood Palm RD 2024
This district is a combination of RD 2024 Orwood Tract, and RD 2036 Palm Tract.
A19 - Mokelumne Aqueduct No. 3
EBMUD owns this primary water transport facility which supplies water to most of the East Bay area; The pipeline traverses Orwood Palm following the BNSF Railway Line and is 2.2 meters in diameter. EBMUD has very limited local water storage or supplemental local supply sources. If the aqueduct failed, the supply of water to the East Bay would be majorly affected.
A20 - Kinder-Morgan Fuel Line Warning
A fuel transmission line runs parallel to the Mokelumne Aqueduct No. 3. The main fuel line is buried approx. 10' underground.
A21 - Local Railway
Burlington - Northern Santa Fe Railroad traverses Orwood Palm; If a flooding is imminent or occurs, call the BNSF Stockton office at (209) 942 5438.
A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.
A25 - Utility Infrastructure Warning
WAPA electrical transmission lines cross the south west horn of RD 2072, Woodward Island and north through the middle of RD 2024 Palm-Orwood.
C26 - Vehicle Egress
Woodward Island has good levee accessibility on all-weather roads located a top levee crowns. Victoria Island sparsely populated. Recommend helicopter evacuation of work crews and population if flood event is accompanied with sustained rainfall.
C27 - District Pump Vulnerabilities
Woodward Island pumping station is below 100-year flood elevation. Pumps at the three Victoria Island pumping stations are all located below 100-year flood elevations. Critical evacuation step to remove pump motors in the event of levee failure. District will contact Delta Pump in Stockton for assistance at 209-466-9625.
C28 - Victoria Island Access
In the event of flooding, access to Victoria Island levees from East will involve delay of minimum of 6 hours for removal of guardrail on Highway 4 ramp from bridge over Middle River and construction of a ramp to levee. Access from West side from Highway 4 bridge over Old River would be less delay for removal of guardrail and construction of ramp. Currently no turn-arounds are located on Victoria Island perimeter levees.
C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.
C30 - Contra Costa Water District
The CCWD Primary levee is set back to provide proper protection for pumping facility operations. Flooding of island could cause limited to major damage to infrastructure. Pumping would stop until dewatering of district pump facilities. Alternate pumping station on Byron Tract could take over pumping operations if operations were halted for extended periods of time.
C35 - Union Island Pumping Stations
All existing pumping stations shown are privately owned and not flood proofed. Districts do not own any pumping stations. Location for placement of emergency pumping capacity may require diesel pumps due to lack of power lines into area.
C37 - Regional High Voltage Power Lines
Western Area Power Administration (WAPA) high voltage power lines feed Tracey Pumping Plant for the Delta Mendota Canal. Loss of these lines in a flood of Union Island could threaten Tracy Pumping Plant power. In addition, regional PG&E high voltage power lines run through the district. Loss of this transmission route in a flood of Union Island would have regional impact on electrical power supply and fresh water deliveries.
C91 - Utility Infrastructure Warning
There is a Kinder Morgan fuel transmission line adjacent to the EBMUD aqueduct/pipelines across the north end of RD 2072, Woodward Island.
C92 - Ferry Access
Ferry is the only vehicular access to island.
C93 - Water Supply
The CCWD Los Vaqueros Intake Pipeline conveys public water supply from the Old River Pump to Los Vaqueros Reservoirs and other storage areas for approx. 265,000 people.
D15 - Rail Activity
Open trestle tracks have been declared invincible in the past. Currently, the whole railroad embankment is seeping. It has been advised not to run trains on the track by local RD personnel. In 1980, the vibration from train operations caused the embankment to fail, resulting in a locomotive derailing off the railroad embankment. This could happen again, passenger trains could be compromised in the future if bank stabilization is not completed.
D16 - Utility Infrastructure
Kinder Morgan fuel transmission lines are located on the south side of the East Bay Municipal Utility District Aqueduct and the railroad embankment. Warning, utility personnel should coordinate emergency operations particularly on Lower Jones Tract, an island with multi levee failures.

flood contingency options

C22 - RD 2040 & 2072, Failure of Primary Levees on RD 2040 (Victoria Island)
This scenario regardless of break location will lead to flooding of district and Highway 4 between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.
Actions
1. Notify authorities to close Highway 4 at Middle River and Old River and evacuate traffic in between. 2. Evacuate work crews and other persons on island. 3. Place visquine and sand bags on levee interiors to protect from wave wash on limited exposure areas. Place rock riprap on areas of high wind exposure. Prioritize work based on current wind direction and velocity forecasts. 4. Place emergency pumps at emergency pump location indicated on map. 5. Armor ends of break to stabilize levee and seal when flow equalizes. 6. Pump impounded floodwaters out once break is closed.
C23 - RD 2040 & 2072, Failure of Primary Levees on RD 2072 (Woodward Island)
This scenario regardless of break location will lead to flooding of district and elevated portions of EBMUD aqueduct and hurried high-pressure fuel pipelines running through island between Middle River and Old River. General floodfight strategy will be to protect levee interiors and install emergency pumping stations while levee breach is sealed.
Actions
1. Notify EBMUD and Kinder Morgan authorities of threat of failure to their pipelines running through district. 2. Evacuate work crews and other persons on island. 3. Remove Pump Motors. 4. Place visquine on levee interiors to protect from wave wash. Prioritize work based on current wind direction and velocity forecasts. 5. Place emergency pumps at emergency pump location indicated on map. Armor ends of break to stabilize levee and seal when flow equalizes. Pump impounded floodwaters out once break is sealed.

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special flood considerations

A22 - Coney Island
Coney Islands surrounded to the west by the Clifton Court Forebay West Canal and to the east by Old River. The Clifton Court Forebay West Canal conveys water supply to the Clifton Court Forebay tide gates. Coney Island's western perimeter levee is the eastern bank for the West Canal. The Western Canal levees on the Coney Island embankments have been reported to have scour in a few locations from station 130+00 to 200+00.
C28 - Victoria Island Access
In the event of flooding, access to Victoria Island levees from East will involve delay of minimum of 6 hours for removal of guardrail on Highway 4 ramp from bridge over Middle River and construction of a ramp to levee. Access from West side from Highway 4 bridge over Old River would be less delay for removal of guardrail and construction of ramp. Currently no turn-arounds are located on Victoria Island perimeter levees.
C29 - Evacuation Issues
Notification of Agricultural Chemical Suppliers and Fuel Providers to assist with the removal of fuel and chemicals at district headquarters. Approx fuel and chemical storage quantities are shown the San Joaquin Flood Contingency Maps.
C31 - Stark Dryland Cross Levee
The cross levee follows old slough from eastern end of Grant Line Canal to Old River. Extended ponds still parallel levee, however, this is the only substantial dryland structure for holding floodwaters following the failure of primary levees on Stark Tract.
C32 - Wing Levee Dryland Cross Levee
Narrow, sandy, considerable rodent burrows and other rodent activity on and in levee. However, the levee has been surveyed for elevation, and potentially, and at least temporarily, will hold floodwaters from areas to the southeast of Undine Road. District considering low cost maintenance actions to improve potential performance of this levee.
C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.
C34 - Tracy Boulevard Dryland Cross Levee
Stretch south of Howard Road is substantial and well compacted due to vehicles running on levee crown. The stretch north of Howard Road is higher however, has more rodent burrows and less compaction. A gap resides in levee at Howard Road and Tracy Boulevard junction. Gap should be rapidly filled if floodwaters are imminent. Approximately 500cubic yards of material will be needed to fill the "Howard Road Gap" in the Tracy Boulevard dryland cross levee (based upon a field survey in December 2007). Please note: Portions of the Tracy Boulevard dryland levee are lower than the approximate 100-year floodplain water surface elevation at the Burns Relief Cut. The Tracy Boulevard dryland levee will have to be raised up to 2.5FT in some areas to at least the approximate 100-year floodplain water surface elevation of 8.8FT.
C35 - Union Island Pumping Stations
All existing pumping stations shown are privately owned and not flood proofed. Districts do not own any pumping stations. Location for placement of emergency pumping capacity may require diesel pumps due to lack of power lines into area.
C36 - Access to Coney Island
Only ground access to Coney Island is through RD #2. In the event of flooding of RD 0002, an emergency access plan would be needed to provide Coney Island with flood fight supplies and other emergency needs.
C37 - Regional High Voltage Power Lines
Western Area Power Administration (WAPA) high voltage power lines feed Tracey Pumping Plant for the Delta Mendota Canal. Loss of these lines in a flood of Union Island could threaten Tracy Pumping Plant power. In addition, regional PG&E high voltage power lines run through the district. Loss of this transmission route in a flood of Union Island would have regional impact on electrical power supply and fresh water deliveries.
C38 - Tracy Boulevard and Grant Canal Bridge
During high flows Tracy Boulevard bridge at the southern end of Union Island acts as a debris dam due to placement of a berm separating Grant Line Canal and Fabian and Bell Canal which begins at this point. The bridge and berm break and divert the water flow in this area, allowing the buildup of debris, which can cause floodwaters to back up east of bridge.
C73 - RD 2058 Access
Access problems have been encountered on levee road on Sugar Cut due to inadequate all weather preparation.

flood contingency options

C25 - RD 1 and 2 (Union Island), Failure of Stark Dryland Cross Levee following flooding of RD 2089 or Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of RD #1 up to southern portion of Wing Levee Road Dryland Cross Levee. That levee is high enough along southern portion to hold floodwaters. General floodfight strategy will be to floodfight Wing Levee Road Dryland Cross Levee and protect interior of primary levees where needed while Stark Tract implements their appropriate actions.
Actions
1. Patrol and floodfight Wing Levee Road Dryland Cross Levee. 2. Protect interior of primary levees where water is impounded. 3. Prepare to floodfight Tracy Dryland Cross Levee by filling Howard Road gap and make decision whether to begin raising levee to 8.8'. 4. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 5. Coordinate with Drexler Tract to place rock on levee opposite to cut location if not already done.
C26 - RD 1 and 2 (Union Island), Failure of RD 1 Primary Levee outside of stretch between Undine Road bridge and Stark Dryland Cross Levee or Failure of Wing Levee Road Dryland Cross Levee
This scenario will lead to flooding of RD 1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to protect RD 2. A minimum of 24-36 hours would be required to bring the Tracy Dryland Levee crown to a minimum elevation of 8.8' (National Vertical Datum of 1929). Prevent floodwaters from backing into Stark Tract (RD 2089) if that district is not flooded by flood fighting the Stark Dryland Cross Levee.
Actions
1. Patrol and floodfight Tracy Dryland Cross Levee. Fill Howard Road gap in levee and begin to raise Tracy Dryland Cross Levee to 8.8'. 2. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 3. Protect interior of primary levees of RD #1. 4. Repair Break and establish dewatering plan. 5. Develop movement plan for accessing RD 0002 and Coney Island from Tracy Boulevard through levee crown on north end of island.
C27 - RD 1 and 2 (Union Island), Failure of Primary Levee in RD 2
This scenario will lead to flooding of RD 0002 with floodwaters attempting to back up into RD #1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to prevent flooding of RD #1, and install emergency pumping station to dewater flooded areas.
Actions
1. Protect interior of primary levees. 2. Install emergency pumping station. 3. Patrol and floodfight Tracy Dryland Cross Levee to prevent movement of floodwaters into RD #1. Fill Howard Road gap. Include ramp to allow continued access into RD 0001. 4. Develop plan for access to Coney Island to move floodfight and other emergency supplies to that district.
C98 - RD 2089 , Failure of Primary Levee on RD 2089 (Stark Tract)
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee with the need to floodfight Stark Dryland Cross Levee prevent flood waters moving north into RD s #1 and 0002 (Union Island).
Actions
1. Patrol and Floodfight Stark Dryland Cross Levee. 2. Prepare to floodfight southern portion of Wing Levee Dryland Cross Levee in the event of failure of Stark Dryland Cross Levee. 3. Identify equipment to make Burns Relief Cut (not shown in this mapbook) if that contingency becomes necessary.
D1 - RD 2089, Failure of RD 2089 Primary Levee
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee. The general floodfight strategy will be to reduce levels of impounded floodwaters, repair break, and dewater by natural flow as flood elevations fall.
Actions
1. Make Gekas Relief Cut (not shown in this mapbook). 2. Repair Levee Breach. 3. Plan for and install emergency pumps for removing residual impounded waters. 4. Protect interior of district levees.
D2 - RD 2089, Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of Union Island RD 1 up to Wing Levee Dryland Levee and up to Stark Dryland Cross Levee. The general floodfight strategy will be to flood fight the Stark Dryland Cross Levee to prevent entry of floodwaters into district and reduce levels of impounded floodwaters.
Actions
1. Flood fight and patrol Stark Dryland Cross Levee. 2. Identify equipment and prepare to make Gikas Relief Cut (not shown in this mapbook). 3. Plan for and identify location for emergency pumps in case of need.
D18 - Drexler Tract & Honker Lake, Failure of Primary Levee in the "Pocket" Area or Drexler Tract
This scenario will lead to flooding of Drexler Tract, Pocket Area, Upper and Lower Jones Tracts (RD 2038 and RD 2039). The general floodfight strategy will be to hold the Honker Lake Dryland Levee to prevent flooding of Honker Lake Tract and Lower Roberts Island (RD 684).
Actions
1. Floodfight Westerly Honker Lake Dryland Levee. 2. Provide assistance to Honker Lake Tract landowners.

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special flood considerations

C31 - Stark Dryland Cross Levee
The cross levee follows old slough from eastern end of Grant Line Canal to Old River. Extended ponds still parallel levee, however, this is the only substantial dryland structure for holding floodwaters following the failure of primary levees on Stark Tract.
C38 - Tracy Boulevard and Grant Canal Bridge
During high flows Tracy Boulevard bridge at the southern end of Union Island acts as a debris dam due to placement of a berm separating Grant Line Canal and Fabian and Bell Canal which begins at this point. The bridge and berm break and divert the water flow in this area, allowing the buildup of debris, which can cause floodwaters to back up east of bridge.
C73 - RD 2058 Access
Access problems have been encountered on levee road on Sugar Cut due to inadequate all weather preparation.

flood contingency options

C25 - RD 1 and 2 (Union Island), Failure of Stark Dryland Cross Levee following flooding of RD 2089 or Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of RD #1 up to southern portion of Wing Levee Road Dryland Cross Levee. That levee is high enough along southern portion to hold floodwaters. General floodfight strategy will be to floodfight Wing Levee Road Dryland Cross Levee and protect interior of primary levees where needed while Stark Tract implements their appropriate actions.
Actions
1. Patrol and floodfight Wing Levee Road Dryland Cross Levee. 2. Protect interior of primary levees where water is impounded. 3. Prepare to floodfight Tracy Dryland Cross Levee by filling Howard Road gap and make decision whether to begin raising levee to 8.8'. 4. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 5. Coordinate with Drexler Tract to place rock on levee opposite to cut location if not already done.
C26 - RD 1 and 2 (Union Island), Failure of RD 1 Primary Levee outside of stretch between Undine Road bridge and Stark Dryland Cross Levee or Failure of Wing Levee Road Dryland Cross Levee
This scenario will lead to flooding of RD 1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to protect RD 2. A minimum of 24-36 hours would be required to bring the Tracy Dryland Levee crown to a minimum elevation of 8.8' (National Vertical Datum of 1929). Prevent floodwaters from backing into Stark Tract (RD 2089) if that district is not flooded by flood fighting the Stark Dryland Cross Levee.
Actions
1. Patrol and floodfight Tracy Dryland Cross Levee. Fill Howard Road gap in levee and begin to raise Tracy Dryland Cross Levee to 8.8'. 2. Include ramp when filling Howard Road gap to allow continued access to RD 0001. 3. Protect interior of primary levees of RD #1. 4. Repair Break and establish dewatering plan. 5. Develop movement plan for accessing RD 0002 and Coney Island from Tracy Boulevard through levee crown on north end of island.
C27 - RD 1 and 2 (Union Island), Failure of Primary Levee in RD 2
This scenario will lead to flooding of RD 0002 with floodwaters attempting to back up into RD #1. General floodfight strategy will be to floodfight Tracy Dryland Cross Levee to prevent flooding of RD #1, and install emergency pumping station to dewater flooded areas.
Actions
1. Protect interior of primary levees. 2. Install emergency pumping station. 3. Patrol and floodfight Tracy Dryland Cross Levee to prevent movement of floodwaters into RD #1. Fill Howard Road gap. Include ramp to allow continued access into RD 0001. 4. Develop plan for access to Coney Island to move floodfight and other emergency supplies to that district.
C98 - RD 2089 , Failure of Primary Levee on RD 2089 (Stark Tract)
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee with the need to floodfight Stark Dryland Cross Levee prevent flood waters moving north into RD s #1 and 0002 (Union Island).
Actions
1. Patrol and Floodfight Stark Dryland Cross Levee. 2. Prepare to floodfight southern portion of Wing Levee Dryland Cross Levee in the event of failure of Stark Dryland Cross Levee. 3. Identify equipment to make Burns Relief Cut (not shown in this mapbook) if that contingency becomes necessary.
D1 - RD 2089, Failure of RD 2089 Primary Levee
This scenario will lead to flooding of Stark Tract up to Stark Dryland Cross Levee. The general floodfight strategy will be to reduce levels of impounded floodwaters, repair break, and dewater by natural flow as flood elevations fall.
Actions
1. Make Gekas Relief Cut (not shown in this mapbook). 2. Repair Levee Breach. 3. Plan for and install emergency pumps for removing residual impounded waters. 4. Protect interior of district levees.
D2 - RD 2089, Failure of RD 1 Primary Levee between Undine Road Bridge and Stark Dryland Cross Levee
This scenario will lead to flooding of Union Island RD 1 up to Wing Levee Dryland Levee and up to Stark Dryland Cross Levee. The general floodfight strategy will be to flood fight the Stark Dryland Cross Levee to prevent entry of floodwaters into district and reduce levels of impounded floodwaters.
Actions
1. Flood fight and patrol Stark Dryland Cross Levee. 2. Identify equipment and prepare to make Gikas Relief Cut (not shown in this mapbook). 3. Plan for and identify location for emergency pumps in case of need.

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special flood considerations

C16 - Seepage Problem near Devil's Island
Ongoing problem with flow moving through levee near Devil's Island with historic seepage spots. Flow increased in past years and in 2006 district spent considerable resources to try to stop flow with no success. Flow continues at low tide indicating a deep track of the water. Water is not carrying material and does not appear to present a threat to levee integrity.
C21 - Flood Info
In the event of a flood on RD 684 (Lower Roberts Island), or RD 524 (Middle Roberts Island), access for McDonald Island would be cut-off. Access to and from McDonald Island under these circumstances would have to be by water. In the event of a flood, the landside slope of Empire Cut and Turner Cut needs to be protected to prevent erosion on the inside of the levee from prevailing northwest wind. The flooding of RD 2030 will result in seepage on the north side of Lower Jones Tract along the Empire Cut levee. PG&E has extensive gas compressor facilities, gas extraction facilities, well heads, high pressure gas collection piping system and high-pressure gas distribution piping system on McDonald Island. Many of the pipes may have minimal (less than 36 inches) of cover. There is restricted access to large areas of the island due to PG&E facility security.
C23 - Historic Seepage Area (STA 445+00)
District has historically experienced seepage at the base of the levee near Station 445+00. District has installed toe berms and drains to mitigate seepage at this location.
C39 - Access Following Failure of King Island Levees
Should King Island's levees fail, access to Empire Tract shall take place by diverting traffic from Eight Mile Road at the Bishop Cut Bridge on to the south levee crown on King Island to the Honker Cut Bridge.
C40 - Ferry Access Points
There are 3 ferry access points located on Empire Tract that can be used in an emergency to offload materials and equipment. The levee access points are located near levee STA. 104+00, 324+00 and 388+00.
C41 - RD 2029 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol.
C42 - RD 2044 Patrol Plans
District Superintendent coordinates patrol schedules and sectors upon high water alerts. Patrol members meet at district headquarters. District anticipates having enough personnel to maintain extended patrol.
C43 - RD 2042 Patrol Plans
District Superintendent coordinates patrol schedule and sectors. District relies on engineering firm on contract to supply patrol members. Patrol would meet at 10100 Trinity Parkway. District anticipates needing help from City of Stockton or other agency for patrols during extended high water or flood conditions.
C44 - Bishop Tract Pumping Stations
District maintains three pumping stations as shown on map. No station is above 100-year flood levels.
C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.

Special Flood Considerations & Flood Contingency Options by Page

C46 - Ridge Tract Power
Two separate PG&E lines run into Ridge Tract from the north and the south. Switch mounted on telephone poll on northern end of island allows power to island to be switch from one source to the other.
C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.
C48 - Ship Traffic and Levee Damage
Movement of heavy ships through Stockton Deep Water Channel causes ongoing shifting of material at base of levee. This ongoing erosion presents a constant threat to levee stability along channel.
C49 - Tidal Erosion
Erosion exists at Station 125+00 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.
C50 - Pumping Stations
Pumps and Motors are above 100 Year Flood Elevation
C51 - RD 2037 Patrol Schedule
Superintendent coordinates patrol schedule and sector upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch and 2 experienced staff to patrol entire levee, communicate with cell phone.
C86 - Levee Conditions
Prior to 1982 flood, all levees were HMP level. After 1982 flood trusties reconstructed levee to federal standards or better totaling more than $14 million in upgrades.
C87 - PG&E Presence
The main stakeholder in McDonald Island levee maintenance program is PG&E, and the levees are overbuilt for protection the major gas infrastructure. In addition to levee maintenance, PG&E contributes funding to, pump stations, roads and other flood control infrastructure in and around the island. McDonald Island is the PG&E largest gas storage facility in the California, and includes numerous injection wells and exactors designed to operate in flood conditions. Warning, many of the pipes may have minimal (less than 36 INCH) ground cover.
C88 - Blue Sand
This area is considered the “Deep Delta.” Blue sand subsurface movement exists, tapping or surface disturbance can cause volcanic-like flows of sand resulting in inundation of infrastructure on the island.
C89 - Flood Fight Resources
Full-time managers, equipment (including tractors), and day laborers exist on the Island. To coordinate resource and labor support coordinate with the District Superintendent.
C90 - Evacuation
There are only a few locations on McDonald Island that provide safety from a flood. The best location for temporary safety is atop intact levee crowns surrounding the island.
C94 - Levee Concerns
The eastern horn of Wright-Elwood Levees may not withstand high water events. Be advised there may be vulnerable areas in the levee system at the confluence of the San Joaquin River and Five Mile Slough. Levees in this area are considered non-protecting and do not meet PL84-99 standards.

flood contingency options

C20 - RD 2030, Failure of Primary Levees
The general floodfight strategy will be to seal break once water levels stabilize, protect interior slopes of primary levees, and install emergency pumping stations to dewater the district.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.
C29 - RD 2044, Failure of Primary Levee on RD 2644 (King Island)
This scenario will lead to flooding of King Island up to Bishop Cut. The general floodfight strategy will be to protect interior slopes of primary levees while repairing break and installing emergency pumping station to dewater district.
Actions
1. Protect interior slopes of primary levees 2. Repair break 3. Identify and install additional emergency pumps to dewater district 4. Establish and maintain access to RD 2029 (Empire Tract) by southern levee of King Island 5. Monitor for increased seepage behind levees of adjacent districts
C31 - RD 2042, Failure of Levee on North Side of Bear Creek upstream from Bishop Tract
This scenario will lead to flood waters moving west toward Bishop Tract east of Interstate 5. The general floodfight strategy will be to place emergency berms at underpasses on Interstate 5 to prevent flooding of district. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place and patrol emergency berms as shown at I-5 underpasses 2. Make pre-planned Bear Creek Relief Cut (not shown in this mapbook) once impounded water equalize with creek water elevations. 3. Identify additional emergency pumps to dewater district in case berms fail to prevent floodwaters from entering district and/or backing up easterly 4. Prepare to make Bishop Relief Cut (not shown in this mapbook) incase emergency berms fail to prevent floodwaters from entering district.
C32 - RD 2042, Failure of Primary Levee on North Side of Bear Creek upstream from Bishop Tract (No Interstate S Emergency Berms or failure of Interstate 5 Emergency Berms)
This scenario will lead to flood waters moving west into Bishop Tract from the east side of Interstate 5. The general floodfight strategy will be to install emergency pumping station to dewater district while protecting interior of primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Protect interior of primary levees 2. Identify and place additional emergency pumps to dewater district 3. Establish emergency access plan to King Island and Empire Tract using primary levee crown on south side of district.
C33 - RD 2042, Failure of Levee on RD 2041(Bishop Tract)
This scenario will lead to flooding of Bishop Tract up to, and possibly east of, Interstate 5 on east side of district. The general floodfight strategy will be to prevent movement of floodwaters east of Interstate 5, and install emergency pumps to dewater district. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place and patrol emergency berms at Interstate 5 underpasses. 2. Repair break. 3. Protect interior slopes of primary levees. 4. Identify and install additional emergency pumps to dewater district. 5. Establish and maintain access to RD 2029 (Empire Tract) and RD 2044 (King Island) by primary levee crown on south side of district. 6. Monitor for increased seepage behind levees of adjacent districts
C35 - RD 2029, Failure of RD 2029 Primary Levee
This scenario will lead to flooding of Empire Tract up to Honker Cut. The general floodfight strategy will be to protect interior slopes of primary levees while repairing break and installing emergency pumping station to dewater district.
Actions
1. Repair Levee Breach 2. Plan for and install emergency pumps for removing residual impounded waters 3. Protect interior of district levees 4. Monitor increased seepage behind levees of adjacent districts.
C37 - RD 2037, 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
1. Assist with evacuation of island 2. Stabilize and repair breach 3. Install emergency pumping capacity at emergency pumping station location. 4. Lay visquine on interior slope of primary levee system to protect from wave wash from impounded water.

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

C52 - District 9 Patrol Plan
District 9 initiates patrols of Calaveras River, Diverting Canal, and Mormon Slough levees when flows reach warning stage. SJC Channel Maintenance staffs and schedules patrols and draws on San Joaquin County Public Works staff for assistance if necessary. Patrol of both banks of the Calaveras River is the responsibility of the San Joaquin County Flood Control District. Patrol Coordinator and patrols have cell phones and County radio systems for communications. Patrols are organized into teams of two for each bank (designated “Left Bank” and “Right Bank” as you face the mouth of the river) for each designated sector of the river. The patrol sector covering the area of concern extends from the northern end of the Diverting Canal to the deep-water channel. Patrols are organized into 8-hour shifts, which attempt to maintain 30-minute patrol intervals. Patrol speed in this sector is hindered by lack of crossings at the two railroad bridges and at the Pershing and Pacific Street bridges. Patrols will identify problem locations by reference to 1) a GPS reference, and/or 2) location in relation to one of the bridges that cross the river in this sector. Problem locations will be identified as “downstream” or “upstream” from the closest bridge. San Joaquin County Channel Maintenance Supervisor Patrol Contact Phone: 209-468-9698 or 209-468-3000
C53 - Pumping Stations
California Water maintains water supply system for large areas along north bank of Calaveras River. In the event of a breach of north bank levee of Calaveras River, it would be critical to maintain pressure in water lines to prevent contamination. California Water has identified several pumps critical to maintaining water pressure in particular districts. Placement of emergency berms and backup power at those sites would need to take place as soon as a plausible threat of flooding is identified.
C54 - Storm Water Pumping Stations
Stockton Municipal Utility Department storm water pumping stations shown on north bank of Calaveras River are located below 100-year flood elevations and would be flooded in the event of a breach on north bank of the Calaveras River. Actions would need to be taken to demount pump motors upon identification of a plausible threat of flooding.
C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.
C56 - East Bay Municipal Utility District (EBMUD) Aqueduct
The Mokelumne Aqueduct conveys drinking water for EBMUD from Pardee Reservoir to service districts in the San Francisco East Bay area. EBMUD must be warned as soon as plausible threat of flooding is identified so proper emergency actions can be taken to protect aqueduct. Several blow-off valves and other access to the aqueduct are located at standard intervals. To report a water emergency (e.g. open hydrant, main break, or other EBMUD water-related emergency) call 1-866-40-EBMUD
C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13” below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NGVD 29). During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.
C64 - R.D. 1614 Smith Tract Canal Watch
Smith tract superintendents will rely on citizen reports for levee information along Smith Canal due to the lack of levee access because of fences and other impediments. Therefore there is no Patrol Plan for Smith Canal
C95 - Levee Concerns
Smith Levee may not withstand high water events. Due to construction methods, levees in this area, as built, do not meet federal standards for levee construction, and are not considered to protecting levees. Smith Levee has been breached in too many areas to be considered a reliable flood control feature in an emergency.
C97 - RD 1608 Barge Accessibility
Shallow channel depths due to siltation of the channel impede waterway access for levee inspections, routine maintenance activities, repair work, and barge access from Lincoln Village West Marina to Feather River Dr Bridge. Lack of accessibility by barge to the waterside of the levee will require earthen repair material to be brought from landside.
C98 - Levee Access
Gates at each property line in the housing development area exist on the levee crown and embankments to restrict unauthorized access to slough. Coordination with RD 1608 may be necessary to gain access to the area. See the corresponding page for RD emergency contact information.
C99 - Emergency Sheltering
Brookeside Country Club will function as a mass care shelter in the event of an emergency. The country club is 20 feet in elevation above the Fire Department. This shelter location has the highest elevation in Stockton. There are 4,000-5,000 residents from the local area may need sheltering at this location.
D1 - Floodfight Resources
Siegfried Engineering Office has the ability to conduct 24 hour emergency levee patrol. Faculty trained in standard flood response is resourced through Siegfried Engineering Office. Phone (209) 943-2021

flood contingency options

C38 - Central City of Stockton, Flooding on North/East side of Diverting Canal, and north of Mormon Slough, East of Head of Diverting Canal
Sheet flow ponds on north and east side of Diverting Canal and drains toward the Calaveras River. Failure of Mormon Slough on North Bank (not shown on map) East of Diverting Canal causes flows down to Diverting Canal then along East side of Diverting canal to Calaveras River.
Actions
1. Request assistance from local OES Office to flood fight Diverting Canal South Levee and Calaveras River to prevent flooding of Stockton. 2. Implement ring dike plan around SEWD Water Treatment Plant at Main Street and implement emergency power plant in event of loss of normal power supplies 3. Implement plan to expedite water flow or hold water at railroad embankment on north side of plant depending on direction of water build up 4. Establish District 9 Supply Staging Area to support flood fight efforts.
C40 - Central City of Stockton, Failure of Calaveras River North Bank Levee East of Interstate 5
The floodfight strategy will be to determine practicality of emergency berms plans to protect areas west of Interstate 5 and implement if feasible. Implement plans to protect drinking water system and facilitate dewatering of area. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Demount SMUD storm water pumping station motors. 2. Place constrictions in storm water lines leading under I-5 to Brookside storm water pumping station on west side of Interstate to preventing damage to pumps. 3. Protect and maintain operation at California Water Pumping Stations #59, 60, and 61 to maintain pressure in water system in flooded area. 4. Coordinate placement of emergency pumping stations to assist with dewatering area.
C41 - Central City of Stockton, Failure of Calaveras River North Bank Levee West of Interstate 5
The floodfight strategy will be to determine practicality of I-5 emergency berm plan to protect areas east of I-5, and implement if feasible. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor and flood fight I-5 west embankments. 2. Monitor Fourteen Mile Slough for movement of water east of I-5.
C42 - RD 2074, Upstream Failure on Calaveras River
Interstate I-5 floodfight strategy in the event of a failure of levees upstream of RD 2074. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Barricade the I-5 underpasses at March Lane, EBMUD (Green Path), and Brookside Road. 3. Place emergency pumps near the existing Stockton pumping station west of I-5 along the Calaveras River at Feather River Drive. 4. Supplemental pumps may be placed at additional City of Stockton pump stations upstream to prevent waters from reaching I-5.
C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.
C47 - RD 1608, Floodwaters Arriving From the East
floodfight strategy in the event of floodwaters emanating from the east. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Block the underpasses at I-5, the Green Belt, Benjamin Holt Drive, and Swain Road (blocking method and material provider should be identified for future contingency planning). 2. If necessary, visquine the interior slopes of the levees on the east side of I-5. 3. Establish emergency pumping stations to move floodwaters to Five Mile Slough west of I-5. 4. Open the weir if sufficient head exists to drain the floodwaters into the Delta. 5. Construct a temporary berm in Swenson Golf Course from Benjamin Holt Drive north to Five Mile Slough to route waters into the slough. 6. Consider making a Relief Cut (not shown in this mapbook) in Five Mile Slough on the east side of I-5. 7. If floodwaters reach Cumberland Place, immediate action to sandbag City of Stockton primary pump station along Fourteen Mile Slough.
C57 - Smith/Weber Tracts, Failure of Calaveras River South Bank Levee West of Interstate 5
The general floodfight strategy will be to construct Smith Tract Emergency Berms, install emergency pumping capacity, and plug cross culverts crossing under I-5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. as impounded water elevation reaches water elevation within Calaveras River at site if ordered by Metropolitan Flood Fight Command. 3. Construct Smith Canal Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 4. Identify additional pumping capacity and arrange for transport to Country Club Emergency Pumping Station P.E.D. 5. Repair levee breach. 6. Protect interior slopes of district levees if district floods.
C58 - Smith/Weber Tracts, Failure of Calaveras River South Bank Levee East of Interstate 5
The general floodfight strategy will be to prepare and implement construction of Smith Canal Emergency Berms, plug cross culverts crossing under Interstate 5, and install emergency pumping capacity. Prepare to prevent water flow into RD 828 at American Legion Park. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. 2. If authorized, construct Smith Tract Emergency Berms P.E.D., plug cross culverts crossing under I-5, and make Karl Ross Relief Cut (not shown in this mapbook) P.E.D.. 3. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. as impounded water elevation reaches water elevation in Calaveras River at site if I-5 option is not adopted. 4. Identify emergency pumping capacity and arrange for transport to Country Club Emergency Pumping Station or Karl Ross Emergency Pumping Station depending on flood fight option adopted. 5. Repair levee breach if needed. 6. Protect interior slopes of district levees if district floods. 6. Construct Emergency Berm at American Legion Park to prevent flow of water into RD 828.
C60 - Smith/Weber Tracts, Failure of Smith Canal North Bank Levee East of Interstate 5
The general floodfight strategy will be to prepare to make Smith Tract Emergency Berms, plug cross culverts crossing under interstate 5, and install emergency pumping capacity. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Smith Tract Emergency Berms P.E.D. with Karl Ross Emergency Pumping Station and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 2. Identify additional emergency pumping capacity and arrange for transport to either Karl Ross or Country Club Emergency Pumping Stations as appropriate. 3. Repair levee breach. 4. Protect interior slopes of district levees if district floods.
C63 - Smith/Weber Tracts, Failure of South Bank of Diverting Canal
The general floodfight strategy will be to prepare to make Smith Tract Emergency Berms, Weber Tract Emergency Berms, plug cross culverts crossing under Interstate 5, Country Club Relief Cut (not shown in this mapbook), and/or Shimizu Relief Cut (not shown in this mapbook) as warranted by flow of water and as ordered by flood fight command. Prepare to install emergency pumping capacity to dewater. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Construct Smith Tract Emergency Berms P.E.D. with either Karl Ross Relief Cut (not shown in this mapbook) P.E.D. or Karl Ross Emergency Pumping Station and plug cross culverts crossing under I-5. 2. Construct Weber Tract Emergency Berms P.E.D. with either Shimizu Relief Cut (not shown in this mapbook) P.E.D. or Shimizu Emergency Pumping Station and plug cross culverts crossing under I-5. 3. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. and install Country Club Emergency Pumping Station. 4. Make Shimizu Relief Cut (not shown in this mapbook) P.E.D. and/or install Shimizu Emergency Pumping Station.
C66 - Central City of Stockton, Failure of Primary Levee on RD 404 (Boggs Tract) North of Union Pacific railroad Bridge
Water will flow north and then build east and south to elevation of river waters at break.
Actions
1. If approved, place ring dike at Navy Drive and Fresno Avenue underpasses at Union Pacific railroad to protect Regional Waste Water Treatment Plant and prevent movement of water south of railroad embankment. 2. Make Port of Stockton Relief Cut (not shown in this mapbook). 3. Monitor water system and isolate as necessary to maintain integrity 4. Shut down plant if Navy Drive ring dike fails. 5. Close down pumps to waste water line coming from North through RD 404 6. Monitor water system and isolate as necessary to maintain integrity
C68 - Central City of Stockton, Failure of South Bank of Calaveras or Diverting Canal near Junction with Calaveras River.
Water will flow south and southwest toward the City of Stockton and Interstate 5.
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. 2. Decide whether to make Calaveras Relief Cut (not shown in this mapbook) or Smith Canal Relief Cut (not shown in this mapbook) in conjunction with plan to hold water at I-5. 3. Make Calaveras Relief Cut (not shown in this mapbook) or Smith Canal Relief Cut (not shown in this mapbook) 4. Construct emergency berms at I-5 in conjunction with a Smith Canal Relief Cut (not shown in this mapbook) 5. Coordinate with SMUD and Cal Water to monitor water system and Isolate as necessary to maintain integrity.
D23 - RD 1608, Failure of Fourteen Mile Slough Levee from Marina Levee to I-5
This scenario will lead to flooding of the southern half of RD 1608 including Lake Lincoln.
Actions
1. Immediately visquine the interior levee slopes of threatened levees. 2. Block I-5 underpass at Swain Road (material volume and provider should be identified for future contingency planning). 3. Floodwaters will drain naturally toward Lake Lincoln where they can be pumped out with the existing City of Stockton Pump Station. North Lake is at a higher elevation than Lake Lincoln.

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special flood considerations

C45 - Rindge Tract Egress
Primary levees have all weather road on crown. An all weather road transects through middle of island, connecting northern and southern portions of the primary levee.
C47 - Drainage Ditch Dam
Two pumping stations are located on south side and west side of the island. General drainage flows from east to west. The check dam located in primary drainage ditch in middle of island controls flows from east to west. Failure of dam would allow all drainage to flow unimpeded to low end of island at West Pumping Station, which may not provide enough pumping capacity. Flooding of western end of island would be possible if emergency pump stations were positioned for back up.
C51 - RD 2037 Patrol Schedule
Superintendent coordinates patrol schedule and sector upon high water alerts. Patrol meets at district headquarters. District anticipates having enough personnel to maintain extended patrol. Use 10-12 people to watch and 2 experienced staff to patrol entire levee, communicate with cell phone.
C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.
C57 - RD 1608, Drainage
Two inter-connected lakes within RD 1608, Lake Lincoln and North, are storm detention basins. The locks are routinely lowered each year prior to the flood season to provide additional storage capacity. The hydraulic pressure of the lakes has stabilized groundwater levels. Any seepage in the area will likely appear first around the lakes. Lake Lincoln's capacity is 183 million gallons (560 ac. ft.) at a depth of approximately 10 feet. North Lake's capacity is approximately 44 million gallons (120 ac. ft.) at a depth of approximately 8 feet.
C58 - RD 1608, Primary Pump Station (North Lake)
Topography west of 1-5 slopes naturally to Lake Lincoln and North, however land surrounding the lakes is essentially flat. Both lakes drain by gravity to the City of Stockton Pump Station at Fort Donelson Dr. and 14-Mile Slough. Two (2) 50-HP main duty pumps and one (1) 20-HP low flow pump operate to drain the lakes. The main duty pumps can obtain 7000 GPM each and the low-flow pump 2350 GPM. This pump station is located at ground level. Precautions must be taken to protect the pump station from floodwaters. Sandbag berms should be constructed if flooding is imminent.
C59 - Flood Control Weir
San Joaquin County Flood Control operates the pumping station and weir at the confluence of 5-mile and 14-mile sloughs. Levels in 5-mile Slough are maintained below normal high-tide levels. The weir should be opened or closed, depending on sources of flood waters, to protect residences upstream of the weir.
C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13” below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NGVD 29). During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.
C94 - Levee Concerns
The eastern horn of Wright-Elwood Levees may not withstand high water events. Be advised there may be vulnerable areas in the levee system at the confluence of the San Joaquin River and Five Mile Slough. Levees in this area are considered non-protecting and do not meet PL84-99 standards.
C96 - Ten Mile Slough Levee
The Ten Mile Slough Levee is a dryland levee built to protect against a flood in neighboring Wright-Elwood Tract (RD 2119). Though the Ten Mile Slough Levee is over built, the levee has never been tested. Seepage may occur if floodwaters enter from RD 2119. It was constructed to withstand wave-run-up from the fetch created by a breach on the San Joaquin River that floods Wright-Elmwood Tract. In the event of a breach, the west face of Ten Mile Levee should be immediately protected from erosion with visquine. For long-term erosion protection, stone should be placed on waterside slope. All levees within RD 2074 are Non-Project Levees with the exception of the Calaveras River Levee, from STA 1 0+00 to STA 87+00.
C97 - RD 1608 Barge Accessibility
Shallow channel depths due to siltation of the channel impede waterway access for levee inspections, routine maintenance activities, repair work, and barge access from Lincoln Village West Marina to Feather River Dr Bridge. Lack of accessibility by barge to the waterside of the levee will require earthen repair material to be brought from landside.
C98 - Levee Access
Gates at each property line in the housing development area exist on the levee crown and embankments to restrict unauthorized access to slough. Coordination with RD 1608 may be necessary to gain access to the area. See the corresponding page for RD emergency contact information.
C99 - Emergency Sheltering
Brookeside Country Club will function as a mass care shelter in the event of an emergency. The country club is 20 feet in elevation above the Fire Department. This shelter location has the highest elevation in Stockton. There are 4,000-5,000 residents from the local area may need sheltering at this location.
D1 - Floodfight Resources
Siegfried Engineering Office has the ability to conduct 24 hour emergency levee patrol. Faculty trained in standard flood response is resourced through Siegfried Engineering Office. Phone (209) 943-2021
D2 - RD 1614 Flood Gates
Flood gates have been approved by FEMA, and are currently in the design stages for Smith Canal. The floodgates would close off the canal, thus reducing flood risk to the southern portion of RD 1614.
D19 - Wastewater Treatment
Sewage pump station could become overwhelmed from manhole exposure during flooding. If the wastewater pump station is overwhelmed, sanitary sewer overflows could discharge into floodwaters. Special precautions should be made to cover manholes to protect wastewater pumping stations and treatment plants from infiltration/inflow.
D20 - Utility Infrastructure
PG&E, WAPA lines cross channel between levee STA 600+00 to 620+00.

flood contingency options

C37 - RD 2037, 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
1. Assist with evacuation of island 2. Stabilize and repair breach 3. Install emergency pumping capacity at emergency pumping station location. 4. Lay visquine on interior slope of primary levee system to protect from wave wash from impounded water.
C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.
C45 - RD 1608, Failure of Primary Levees
Prevent floodwaters from moving east of I-5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Immediately visquine the interior levee slopes near levee breach. 2. Block the I-5 underpasses at the Green Belt, Benjamin Holt Drive, and Swain Road (blocking method and material provider should be identified for future contingency planning). Floodwaters will drain naturally toward the Lakes where they can be pumped out with the existing pump system. North Lake is at a higher elevation than Lake Lincoln. RD 1608 drains naturally toward the southwest from the area of Five Mile Slough at Swenson golf course. 3. Sandbag and protect City of Stockton primary pump station along Fourteen Mile Slough.
C46 - RD 1608, Failure of North Bank Levee of Five Mile Slough (Shima Tract RD 2115)
Wave run-up from Shima Tract levee failure.
Actions
1. Activate the pumps and weir at terminus of Fourteen and Five Mile Slough, (depending on the head pressures, the weir pumping plant should be activated if conditions permit). 2. Immediately prepare to visquine slopes above riprap on waterside of Five Mile levee to prevent wave wash erosion. 3. Monitor floodwaters and prepare to visquine the interior levee slopes if floodwater continue up Five Mile Slough. 4. Block culverts at 1-5 to prevent flooding through Swenson Golf Course (blocking method and material provider should be identified for future contingency planning).

Special Flood Considerations & Flood Contingency Options by Page

C47 - RD 1608, Floodwaters Arriving From the East
floodfight strategy in the event of floodwaters emanating from the east. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Block the underpasses at I-5, the Green Belt, Benjamin Holt Drive, and Swain Road (blocking method and material provider should be identified for future contingency planning). 2. If necessary, visquine the interior slopes of the levees on the east side of I-5. 3. Establish emergency pumping stations to move floodwaters to Five Mile Slough west of I-5. 4. Open the weir if sufficient head exists to drain the floodwaters into the Delta. 5. Construct a temporary berm in Swenson Golf Course from Benjamin Holt Drive north to Five Mile Slough to route waters into the slough. 6. Consider making a Relief Cut (not shown in this mapbook) in Five Mile Slough on the east side of I-5. 7. If floodwaters reach Cumberland Place, immediate action to sandbag City of Stockton primary pump station along Fourteen Mile Slough.

C48 - RD 1608, Failure of Shima Tract (RD 2115)
Flood fight the north bank levee of Five Mile Slough. In the event of a failure of the north bank levee of Five Mile Slough. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Block the culverts under I-5 with temporary berms (blocking method and material provider should be identified for future contingency planning). 2. Prepare to visquine the interior levee slopes if floodwaters continue up Five Mile Slough, through Swenson Golf Course and under I-5.

C49 - Central City of Stockton, Failure of Wright-Elmwood (RD 2119)
floodfight strategy in the event of a failure of the Wright-Elmwood levees:
Actions
1. Lower North Lake and Lake Lincoln to control seepage and increase storm runoff storage capacity. 2. Increase patrols on west levee (Northwest Levee Section). 3. Pre-position supplies and equipment for fighting wave run-up. 4. Sandbag City of Stockton primary pump stations along Fourteen Mile Slough.

C51 - RD 2074, Failure of Wright Elmwood
The level of Brookside Lake should serve to equilibrate the hydrologic pressure created from additional water against Ten Mile Levee. floodfight strategy in the event of a failure of RD 2119, Wright-Elmwood, levees:
Actions
1. Increase patrols along Ten Mile Dry Land Levee. 2. Visquine west face of Ten Mile Levee, design elevation= 15. 8', app. 450,000 sq. ft. 3. Consider placing stone protection against the west face of Ten Mile Levee. 4. Place emergency pumps at North Buckley Cove.

C57 - Smith/Weber Tracts, Failure of Calaveras River South Bank Levee West of Interstate 5
The general floodfight strategy will be to construct Smith Tract Emergency Berms, install emergency pumping capacity, and plug cross culverts crossing under I-5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. as impounded water elevation reaches water elevation within Calaveras River at site if ordered by Metropolitan Flood Fight Command. 3. Construct Smith Canal Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 4. Identify additional pumping capacity and arrange for transport to Country Club Emergency Pumping Station P.E.D. 5. Repair levee breach. 6. Protect interior slopes of district levees if district floods.

C59 - Smith/Weber Tracts, Failure of Smith Canal North Bank Levee West of Interstate 5
The general floodfight strategy will be to prepare to place Smith Tract Emergency Berms, plug cross culverts crossing under interstate 5, and install emergency pumping capacity. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. (blocking method and material provider should be identified for future contingency planning). 2. Construct Smith Tract Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 3. Identify emergency pumps and arrange for transport to Country Club Emergency Pumping Station as ordered by Metropolitan Flood Fight Command. 4. Repair levee breach. 5. Protect interior slopes of district levees if district floods.

C61 - Smith/Weber Tracts, Failure of Smith Canal South Bank Levee West of Interstate 5
The general floodfight strategy will be to prepare to construct Weber Tract Emergency Berms, plug cross culverts crossing under Interstate 5, and install emergency pumps to dewater. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Construct Weber Tract Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 2. Identify additional emergency pump capacity and arrange transport to Shimizu Emergency Pumping Station (West). 3. Repair levee breach. 4. Protect interior slopes of district levees if district flooded.

D22 - RD 1608, Failure of Fourteen Mile Slough Levee West of Cumberland Place
This scenario will lead to flooding of the west half of RD 1608 including North Lake and Lake Lincoln. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Immediately visquine the interior levee slopes of Five Mile Slough Levee west of I-5. 2. Check status of weir at terminus of Fourteen and Five Mile Slough, depending on the conditions the weir may be opened or closed. 3. Block the culverts at I-5 to prevent flooding through Five Mile Slough to (material amount and resources should be identified for placement). 4. Feather River Dr. should remain as the egress for material placement.

D23 - RD 1608, Failure of Fourteen Mile Slough Levee from Marina Levee to I-5
This scenario will lead to flooding of the southern half of RD 1608 including Lake Lincoln.
Actions
1. Immediately visquine the interior levee slopes of threatened levees. 2. Block I-5 underpass at Swain Road (material volume and provider should be identified for future contingency planning). 3. Floodwaters will drain naturally toward Lake Lincoln where they can be pumped out with the existing City of Stockton Pump Station. North Lake is at a higher elevation than Lake Lincoln.

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special flood considerations

C55 - Brookside Storm Water Pumping Station
In the event of a failure of the north bank levee of the Calaveras River east of Interstate 5 the Brookside Storm Water Pumping Station located just west of Interstate 5 would be critical for subsequent dewatering efforts. Plans need to be in place to constrict storm water lines leading under Interstate 5 to this station in order to prevent damage to station and its pumps. This station also is critical to maintaining flow in sanitary lines to treatment plant. Pumps need to be protected to ensure that operation continues.

C60 - Storm Drainage
The lakes within RD 2074 are interconnected for storm drainage and are pumped at either the North pump station into 14 Mile Slough, or at the South Pump Station into the Calaveras River. These lakes are lowered in the winter to accommodate additional storm run-off. The lakes and golf course can be used as detention basins in an emergency. The lake levels are lowered each winter to 13" below the top of the bulkhead. If a breach occurs adjacent to the San Joaquin River, Calaveras River, or 14 Mile Slough, RD 2074 is below sea level and tidal flows will equilibrate at approximately the 100-year flood elevation of 7.4 (NAVD 29). During a flood emergency, consideration shall be given to blocking the I-5 underpasses at March Lane, EBMUD, Brookside Road, and along Smith Levee to either protect RD 2074 from floodwaters emanating from the east, or to protect the rest of Stockton from a breach within RD 2074. Floodwaters will have to be pumped out through the installation of additional pumps.

C61 - RD 404 and Port of Stockton Flood Patrol
Port of Stockton will coordinate and schedule all district patrols during high water events. Six Port of Stockton personnel and one vehicle will conduct 24-hour patrol of levee segment from Stockton Deep Water Channel to BNSF railroad tracks. City of Stockton Municipal Utilities District will assign 6 personnel and one vehicle to conduct 24-hour patrol of levee segment from BNSF railroad tracks to Charter Way. City of Stockton will assign 6 personnel and one vehicle to conduct 24-hour patrol of levee segment from Charter Way to Interstate 5. All patrols under direction of Port of Stockton. Lath Protocol for Patrol Crews; Red Flagged - Boil/Seepage Site, Blue Flagged - Rock Slippage, White Flagged - Slope/Levee Distress

C63 - Stockton Municipal Utilities District (SMUD) Waste Water Treatment Plant
Utility District staff cannot currently prevent internal flooding of treatment plant by floodwaters entering effluent lines terminating at plant. Staff will attempt to save plant by pumping effluent as quickly as possible into Tertiary Ponds across river. Flood flow in lines will probably exceed that pumping capacity. Failure of RD 404 levees, or failure of levees east of District at Mormon Slough, could flood primary plant to significant depths with loss of service to over 300,000 customers. Priority infrastructure protection actions to install flood wall at primary plant and system to bypass flood flows in effluent lines away from plant needed. At least two and levee failure scenarios flood primary regional waste water plant to significant depths unless flood wall protection is installed around regional waste water plan

C64 - R.D. 1614 Smith Tract Canal Watch
Smith tract superintendents will rely on citizen reports for levee information along Smith Canal due to the lack of levee access because of fences and other impediments. Therefore there is no Patrol Plan for Smith Canal

C67 - Northern RD 17
During the 1997 flood event, it was determined that it would be impractical to build a reliable emergency levee to protect the northern undeveloped portion of RD 17 once flooding had begun. Even if an emergency levee was constructed, it would have increased the floodplain depth to the south, creating significant liability to the protecting levee structures already in place.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

C95 - Levee Concerns
Smith Levee may not withstand high water events. Due to construction methods, levees in this area, as built, do not meet federal standards for levee construction, and are not considered to protecting levees. Smith Levee has been breached in too many areas to be considered a reliable flood control feature in an emergency.

C96 - Ten Mile Slough Levee
The Ten Mile Slough Levee is a dryland levee built to protect against a flood in neighboring Wright-Elwood Tract (RD 2119). Though the Ten Mile Slough Levee is over built, the levee has never been tested. Seepage may occur if floodwaters enter from RD 2119. It was constructed to withstand wave-run-up from the fetch created by a breach on the San Joaquin River that floods Wright-Elmwood Tract. In the event of a breach, the west face of Ten Mile Levee should be immediately protected from erosion with visquine. For long-term erosion protection, stone should be placed on waterside slope. All levees within RD 2074 are Non-Project Levees with the exception of the Calaveras River Levee, from STA 10+00 to STA 87+00.

C99 - Emergency Sheltering
Brookeside Country Club will function as a mass care shelter in the event of an emergency. The country club is 20 feet in elevation above the Fire Department. This shelter location has the highest elevation in Stockton. There are 4,000-5,000 residents from the local area may need sheltering at this location.

D1 - Floodfight Resources
Siegfried Engineering Office has the ability to conduct 24 hour emergency levee patrol. Faculty trained in standard flood response is resourced through Siegfried Engineering Office. Phone (209) 943-2021

D2 - RD 1614 Flood Gates
Flood gates have been approved by FEMA, and are currently in the design stages for Smith Canal. The floodgates would close off the canal, thus reducing flood risk to the southern portion of RD 1614.

D3 - Power Line Crossing
PG&E high voltage power lines cross Smith Canal approx. 150' east of Holt Street & Shimizu Drive with an 80-90 FT clearance. The power lines may be removed in the future, however, are currently in use.

D4 - Barge Clearance
There is low barge clearance 80 FT east of Interstate 5 on the Smith Canal. At high tide, there is 12 FT clearance, at low tide there is 18 FT clearance.

flood contingency options

C40 - Central City of Stockton, Failure of Calaveras River North Bank Levee East of Interstate 5
The floodfight strategy will be to determine practicality of emergency berms plans to protect areas west of Interstate 5 and implement if feasible. Implement plans to protect drinking water system and facilitate dewatering of area. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Demount SMUD storm water pumping station motors. 2. Place constrictions in storm water lines leading under I-5 to Brookside storm water pumping station on west side of Interstate to preventing damage to pumps. 3. Protect and maintain operation at California Water Pumping Stations #59, 60, and 61 to maintain pressure in water system in flooded area. 4. Coordinate placement of emergency pumping stations to assist with dewatering area.

C43 - RD 2074, Failure of Primary Levees or Ten Mile Dry Land Levee
Interstate I-5 floodfight strategy in the event of a failure of RD 2074 primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Place emergency berms at the I-5 underpasses at March Lane, EBMUD (Green Belt), and Brookside Road. 2. Protect interior slopes from additional erosion with visquine. 3. Place emergency pumps along the Calaveras River Levee. Floodwaters will run toward the golf course and areas south of March Lane.

C51 - RD 2074, Failure of Wright Elmwood
The level of Brookside Lake should serve to equilibrate the hydrologic pressure created from additional water against Ten Mile Levee. floodfight strategy in the event of a failure of RD 2119, Wright-Elmwood, levees:
Actions
1. Increase patrols along Ten Mile Dry Land Levee. 2. Visquine west face of Ten Mile Levee, design elevation= 15. 8', app. 450,000 sq. ft. 3. Consider placing stone protection against the west face of Ten Mile Levee. 4. Place emergency pumps at North Buckley Cove.

C53 - Boggs Tract, Failure of South Side of Mormon Slough or West Levee of Diverting Canal
Water will flow toward district roughly parallel to Mormon Slough through residential areas east of I-5. The general floodfight strategy will be to evaluate whether to implement Boggs Tract Emergency Berms or Port of Stockton Relief Cut (not shown in this mapbook) while implementing infrastructure protective measures. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Boggs Tract Emergency Berm P.E.D. to prevent water reaching Regional Wastewater Control Plant and district if ordered by Metropolitan Flood Fight Command. 2. Implement Port of Stockton Relief Cut (not shown in this mapbook) P.E.D. if ordered by Metropolitan Flood Fight Command. 3. Initiate maximum pumping at Regional Wastewater Treatment Plant of waste effluent into tertiary ponds across river to protect treatment plant from internal flooding. 4. Monitor municipal water system and isolate flooded sections as necessary to maintain integrity of water system. Prepare to cut power to areas impacted by floodwaters. 5. Protect interior slopes of district levees if district floods. 6. Install emergency pumping stations if district floods.

C54 - Boggs Tract, Failure of Primary Levee on RD 404 (Boggs Tract) North of Burlington Northern Santa Fe railroad Bridge
The general floodfight strategy will be to attempt to protect the Regional Wastewater Treatment Plant while making Port of Stockton Relief Cut (not shown in this mapbook) to minimize flooding. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Navy Drive Emergency Berm P.E.D. if ordered by Metropolitan Flood Fight Command to protect Regional Wastewater Treatment Plant and southern part of district. 2. Implement Port of Stockton Relief Cut (not shown in this mapbook) P.E.D. 3. Initiate maximum pumping at Regional Wastewater Treatment Plant of waste effluent into tertiary ponds across river to protect plant from internal flooding. 4. Monitor municipal water system and isolate flooded sections as necessary to maintain integrity of water system. Prepare to cut power to areas impacted by floodwaters. 5. Protect interior slopes of district levees and install emergency pumping station.

C55 - Boggs Tract, Failure of Primary Levee on RD 404 (Boggs Tract) South of Union Pacific railroad Bridge
The general floodfight strategy will be to place Boggs Tract Emergency Berms to protect areas east of Interstate 5 and make Port of Stockton Relief Cut (not shown in this mapbook). Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. If prudent, construct Boggs Tract Emergency Berms P.E.D. to protect areas east of I-5 if ordered by Metropolitan Flood Fight Command. 3. Monitor municipal water system and isolate flooded sections as necessary to maintain integrity of water system. Prepare to cut power to areas impacted by floodwaters. 4. Protect interior slopes of district levees and install emergency pumping station.

C57 - Smith/Weber Tracts, Failure of Calaveras River South Bank Levee West of Interstate 5
The general floodfight strategy will be to construct Smith Tract Emergency Berms, install emergency pumping capacity, and plug cross culverts crossing under I-5. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. as impounded water elevation reaches water elevation within Calaveras River at site if ordered by Metropolitan Flood Fight Command. 3. Construct Smith Canal Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 4. Identify additional pumping capacity and arrange for transport to Country Club Emergency Pumping Station P.E.D. 5. Repair levee breach. 6. Protect interior slopes of district levees if district floods.

C58 - Smith/Weber Tracts, Failure of Calaveras River South Bank Levee East of Interstate 5
The general floodfight strategy will be to prepare and implement construction of Smith Canal Emergency Berms, plug cross culverts crossing under Interstate 5, and install emergency pumping capacity. Prepare to prevent water flow into RD 828 at American Legion Park. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. 2. If authorized, construct Smith Tract Emergency Berms P.E.D., plug cross culverts crossing under I-5, and make Karl Ross Relief Cut (not shown in this mapbook) P.E.D.. 3. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. as impounded water elevation reaches water elevation in Calaveras River at site if I-5 option is not adopted. 4. Identify emergency pumping capacity and arrange for transport to Country Club Emergency Pumping Station or Karl Ross Emergency Pumping Station depending on flood fight option adopted. 5. Repair levee breach if needed. 6. Protect interior slopes of district levees if district floods. 6. Construct Emergency Berm at American Legion Park to prevent flow of water into RD 828.

C59 - Smith/Weber Tracts, Failure of Smith Canal North Bank Levee West of Interstate 5
The general floodfight strategy will be to prepare to place Smith Tract Emergency Berms, plug cross culverts crossing under interstate 5, and install emergency pumping capacity. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. (blocking method and material provider should be identified for future contingency planning). 2. Construct Smith Tract Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 3. Identify emergency pumps and arrange for transport to Country Club Emergency Pumping Station as ordered by Metropolitan Flood Fight Command. 4. Repair levee breach. 5. Protect interior slopes of district levees if district floods.

C60 - Smith/Weber Tracts, Failure of Smith Canal North Bank Levee East of Interstate 5
The general floodfight strategy will be to prepare to make Smith Tract Emergency Berms, plug cross culverts crossing under interstate 5, and install emergency pumping capacity. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Smith Tract Emergency Berms P.E.D. with Karl Ross Emergency Pumping Station and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 2. Identify additional emergency pumping capacity and arrange for transport to either Karl Ross or Country Club Emergency Pumping Stations as appropriate. 3. Repair levee breach. 4. Protect interior slopes of district levees if district floods.

C61 - Smith/Weber Tracts, Failure of Smith Canal South Bank Levee West of Interstate 5
The general floodfight strategy will be to prepare to construct Weber Tract Emergency Berms, plug cross culverts crossing under Interstate 5, and install emergency pumps to dewater. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Construct Weber Tract Emergency Berms P.E.D. and plug cross culverts crossing under I-5 if ordered by Metropolitan Flood Fight Command. 2. Identify additional emergency pump capacity and arrange transport to Shimizu Emergency Pumping Station (West). 3. Repair levee breach. 4. Protect interior slopes of district levees if district flooded.

C62 - Smith/Weber Tracts, Failure of Smith Canal South Bank Levee East of Interstate 5
The general floodfight strategy will be to prepare to construct Weber Tract Emergency Berms, plug cross culverts crossing under Interstate 5, make Shimizu Relief Cut (not shown in this mapbook) and install emergency pumps to dewater. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Weber Tract Emergency Berms P.E.D. in conjunction with Shimizu Relief Cut (not shown in this mapbook) P.E.D. and plug cross culverts crossing under I- 5 if ordered by Metropolitan Flood Fight Command. 2. Identify additional emergency pump capacity and arrange transport to Shimizu Emergency Pumping Station either west or east side of I-5 as appropriate. 3. Repair levee breach. 4. Protect interior slopes of district levees if district floods.

C63 - Smith/Weber Tracts, Failure of South Bank of Diverting Canal
The general floodfight strategy will be to prepare to make Smith Tract Emergency Berms, Weber Tract Emergency Berms, plug cross culverts crossing under Interstate 5, Country Club Relief Cut (not shown in this mapbook), and/or Shimizu Relief Cut (not shown in this mapbook) as warranted by flow of water and as ordered by flood fight command. Prepare to install emergency pumping capacity to dewater. For more information contact the San Joaquin OES Flood Contingency Maps or visit www.sjmap.org/oesfcm
Actions
1. Construct Smith Tract Emergency Berms P.E.D. with either Karl Ross Relief Cut (not shown in this mapbook) P.E.D. or Karl Ross Emergency Pumping Station and plug cross culverts crossing under I-5. 2. Construct Weber Tract Emergency Berms P.E.D. with either Shimizu Relief Cut (not shown in this mapbook) P.E.D. or Shimizu Emergency Pumping Station and plug cross culverts crossing under I-5. 3. Make Country Club Relief Cut (not shown in this mapbook) P.E.D. and install Country Club Emergency Pumping Station. 4. Make Shimizu Relief Cut (not shown in this mapbook) P.E.D. and/or install Shimizu Emergency Pumping Station.

C65 - Central City of Stockton, Failure of South Side of Mormon Slough or West Levee of Diverting Canal
Waters will flow toward /along Mormon Slough through residential areas East of Highway 99 and continue West generally toward and along Mormon Slough. Waters will travel north and south of Union Pacific railroad running West through Stockton from Aurora Street creating two distinct bodies of water. Water north of railroad will exit to shipping channel via Mormon Slough and roughly along old slough channels (Branch and Miner Slough) through downtown. South of Union Pacific railroad tracks water will pond against railroad and Interstate 5 (if blocked). If not blocked at I-5, waters will continue to flood RD 404 and build back to the east.
Actions
1. Emergency berm I-5 underpasses at Charter Way, Anderson Church, and Eight Streets to prevent water reaching Regional Wastewater Control Plant 2. Place berm on west side of McDougal Slough from Union Pacific railroad tracks to Anderson Street to divert water ponding south of railroad tracks into slough storm drain system 3. If decision is made to not block I-5, then make Port of Stockton Relief Cut (not shown in this mapbook) 4. Implement maximum pumping of effluent into tertiary ponds to prevent flooding of primary wastewater plant. 5. Monitor water system and isolate as necessary to maintain integrity 6. Shut down plant if flood waters move west of I-5 7. Monitor water system and isolate as necessary to maintain Integrity 8. Identify threats to pumping stations with emergency power. 9. Coordinate protection of SBC Downtown Central Office and shutdown of PG&E. power to maintain telephone service and prevent fires.

C66 - Central City of Stockton, Failure of Primary Levee on RD 404 (Boggs Tract) North of Union Pacific railroad Bridge
Water will flow north and then build east and south to elevation of river waters at break.
Actions
1. If approved, place ring dike at Navy Drive and Fresno Avenue underpasses at Union Pacific railroad to protect Regional Waste Water Treatment Plant and prevent movement of water south of railroad embankment. 2. Make Port of Stockton Relief Cut (not shown in this mapbook). 3. Monitor water system and isolate as necessary to maintain integrity 4. Shut down plant if Navy Drive ring dike fails. 5. Close down pumps to waste water line coming from North through RD 404 6. Monitor water system and isolate as necessary to maintain integrity

C67 - Central City of Stockton, Failure of Primary Levee on RD 404 (Boggs Tract) South of Union Pacific railroad Bridge
Water will flow north along river and east toward Interstate 5.
Actions
1. Emergency berm I-5 underpasses at Eight Street, Charter Way, and Anderson Street to prevent movement of water east of highway 2. Make Port of Stockton Relief Cut (not shown in this mapbook) 3. Monitor water system and isolate as necessary to maintain integrity 4. Shut down plant since it will be flooded 5. Monitor water system and isolate as necessary to maintain integrity

C68 - Central City of Stockton, Failure of South Bank of Calaveras or Diverting Canal near Junction with Calaveras River.
Water will flow south and southwest toward the City of Stockton and Interstate 5.
Actions
1. Review situation and preliminary engineering designs (P.E.D.) for emergency berms and pre-engineered relief cuts (not shown in this mapbook) and determine whether to implement with San Joaquin OES Staff and other local agencies. 2. Decide whether to make Calaveras Relief Cut (not shown in this mapbook) or Smith Canal Relief Cut (not shown in this mapbook) 3. Make Calaveras Relief Cut (not shown in this mapbook) or Smith Canal Relief Cut (not shown in this mapbook) 4. Construct emergency berms at I-5 in conjunction with a Smith Canal Relief Cut (not shown in this mapbook) 5. Coordinate with SMUD and Cal Water to monitor water system and Isolate as necessary to maintain integrity.

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special flood considerations

C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.

C69 - Manteca Subdivisions
Each of the subdivisions that are located south of Highway 120 have storm drains, which presently flow into retention basins. Plans are currently being reviewed that will convert the Woodward Park Storm Drain Basin into a detention basin. The newly constructed storm water pump stations would limit reverse flow preventing backwaters to entire the streets through storm water inlets. The gravity sewer lines in the various subdivisions currently discharge into pump stations. The pump stations discharge through the force main into the sewer treatment plant. The sewer outfall line has a flap gate located at the discharge point into the river that would prevent water from being pushed backward into the sewer plant.

C77 - RD No. 524
San Joaquin River originally went through Burn's Cut levee. Creation of ship channel lowered 100-year flood flows through Bum's Cut too much below levee height. Potential for need for a relief cut at Burn's Cut would recommend the lowering of RD 524 at this location by 4 feet to facilitate implementation of relief cut. Potential need for a relief cut on south side of Bum's 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.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

flood contingency options

C70 - RD 17 - Mossdale Tract, Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dry Land Levee, maintain primary district levees, and prepare to implement additional actions.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, make Mizuno Farms Relief Cut (not shown in this mapbook) south of Walthal Slough Dry Land Levee down to high water level. 2. Review specifications and equipment required for Weston Ranch Relief Cut (not shown in this mapbook) with San Joaquin County OES. 3. Review requirements for Hwy 120 Emergency Berms. 4. Preposition materials and initiate a standby contract to implement necessary actions. 5. Preposition needed material and equipment for construction of Lathrop Emergency Berms P.E.D. 6. Sign standby contract for construction of Mathew's Complex Ring Dike P.E.D.

C71 - RD 17 - Mossdale Tract, Failure of Walthal Slough Dry Land Levee
The general floodfight strategy is to floodfight Highway 120 with Highway 120 Emergency Berms.
Actions
1. Construct Highway 120 Emergency Berms to P.E.D. specs and floodfight Highway 120. 2. Position equipment to make Weston Ranch Relief Cut (not shown in this mapbook) near the confluence of San Joaquin River and French Camp Slough. 3. Construct Lathrop I-5 Emergency Berms at Lathrop Rd. and Louise Ave. 4. Construct Matthew's Complex Ring Dike on Mathews Rd. near French Camp.

C74 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Upper Roberts District (RD 544)
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 floodfight 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. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook) one-quarter mile east of Natali Road; lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4. 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Rail Embankment & Highway 4 to Kingston School Responsible Agency: Drexler/Pocket Area Landowners 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Make cut in Upper Robert Dry Land Levee to facilitate flow of water through Upper and Middle Roberts Districts to prevent ponding toward higher ground 7. Floodfight Waste Treatment Facility Levees

C79 - RD 17 , Failure of Upstream Levee in RD 2064
The general floodfight strategy will be to maintain district levees, perform pre-planning for additional actions, and closely monitor floodfight on Trahern Cross Levee. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor performance of Trahern Cross Levee above RD 2075 2. Initiate review of preliminary engineering and design work conducted under the San Joaquin OES office. 3. Advise RD 17, RD 2094, and RD 2096 of condition of Trahern Cross Levee floodfight

C80 - RD 17 , Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dryland Levee, maintain primary district levees, and prepare for additional actions. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, cut levee south of Walthal Slough Dryland Levee at Relief Cut (not shown in this mapbook) location down to high water level. Cut to be 1,200' wide at location indicated on map. Conduct floodfight on south cross levee extending from Levee Mile13. 6. Review specifications and equipment required for planned Relief Cut (not shown in this mapbook) at Levee Mile1. 4. Obtain all necessary releases. 2. Review requirements for Hwy 120 Emergency Berm extending from Levee Mile12. 8. Preposition materials and initiate a standby contract to implement necessary actions. 3. Preposition needed material and equipment for construction of Lathrop Containment Berms. 4. Sign standby contract for construction of Mathew's Complex Emergency Berm.

C81 - RD 17 , Failure of Walthal Slough Dryland Levee
The general floodfight strategy is to floodfight Highway 120 and construct planned emergency berms. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Highway 120 Emergency Berms 2. Floodfight Highway 120. 3. Position equipment to make Relief Cut (not shown in this mapbook) at Levee Mile 1. 4 (Weston Ranch). 4. Construct Lathrop Containment Berms 5. Construct Sheriff s Complex Emergency Berm

C94 - RD 2058/2095, Failure of Primary Levee on San Joaquin River
This scenario will lead to flooding of RD 2095 and RD 2058 downstream. Higher water volumes from San Joaquin River would be expected to overtop railroad embankments, Interstate 5, and 205 and render cofferdam or other delaying action ineffective. Refer to San Joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Sugar Cut Relief Cut (not shown in this mapbook) if stage in lower Paradise Cut and Sugar Cut are lower than impounded water. 2. Install pumps along Sugar and Paradise Cuts to de-water districts 3. Evaluate threat to structures on higher ground on West and South side of RD 2095 and install emergency berms where appropriate

Special Flood Considerations & Flood Contingency Options by Page

C95 - RD 2058/2095, Failure of Primary Levee on Paradise Cur south of Interstate 5 San Joaquin River Bridge
This scenario will lead to flooding of RD 2095 and RD 2058 with flood waters being backed up to South in RD 2095 if flow must pass through restricted 96" culvert on railroad embankment. Floodwaters will further back toward the southern and western end of RD 2095 if Tom Paine Coffer Dam is installed. General floodfight strategy will be to protect structures on west and south side of district and Dueul Vocational Institute, and slow flow to north side of RD 2058 with least amount of adverse impact possible to allow for evacuation of RD 2058 and installation of emergency pumps. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Sugar Cut Relief Cut (not shown in this mapbook) if water levels in lower Paradise Cut and Sugar Cut are lower than impounded waters 2. Install pumps along Sugar and Paradise Cut to reduce extent of flooding and de-water district 3. Place pre-designed Tom Paine Coffer Dam and Structure Protection Berm Complex to slow northward flow while minimizing adverse impacts 4. Protect structures upstream of break from flood waters backing up to high ground

C96 - RD 2058/2095, Failure of Primary Levee on Paradise Cut north of Interstate 5 San Joaquin River Bridge
This scenario will lead to flooding of RD 2058 with the possibility of floodwaters backing up into RD 2095.
Actions
1. Place pumps along Sugar and Paradise Cuts to reduce flooding extent and dewater District 2. Place emergency berms at Tom Paine Slough to prevent water from backing up into RD 2095.

D13 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Middle Roberts District (RD 524)
This scenario will lead to flooding of Middle Roberts Island 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 floodfight strategy will be to prevent movement of floodwaters north and west into Drexler Tract and Lower Roberts District and south into Upper Roberts District. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook); lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4 . 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Railroad Embankment and Highway 4 to Kingston School 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Floodfight Upper Roberts Dry Land Levee 7. Floodfight Waste Treatment Facility Levees

D17 - Drexler Tract & Honker Lake, Failure of Primary Levee in RD 544 (Upper Roberts) or RD 524 (Middle Roberts Island)
This scenario will lead to flooding of Upper Roberts and Middle Roberts Island with floodwaters moving through middle of districts and then ponding toward higher ground along easterly and westerly levees. First contact of water with Inland Drive/Natali Road Dryland Levee will probably be in the Pocket Area. The general floodfight strategy will be to prevent movement of floodwaters north and northwestward into Drexler and Honker Lake Tracts and the Pocket Area.
Actions
1. Floodfight Inland Drive south of Honker Lake Dry Land Levee; Raise Inland Drive to 10.5' Responsible Agency: Honker Lake Landowners 2. Floodfight Inland Drive north of Honker Lake Dry Land Levee; Raise Inland Drive to 10.5 FT. 3. If Inland Drive fails south of Honker Lake Dry Land Levee, floodfight Honker Lake Dry Land Levee; request assistance from Lower Roberts District

D18 - Drexler Tract & Honker Lake, Failure of Primary Levee in the "Pocket" Area or Drexler Tract
This scenario will lead to flooding of Drexler Tract, Pocket Area, Upper and Lower Jones Tracts (RD 2038 and RD 2039). The general floodfight strategy will be to hold the Honker Lake Dryland Levee to prevent flooding of Honker Lake Tract and Lower Roberts Island (RD 684).
Actions
1. Floodfight Westerly Honker Lake Dryland Levee. 2. Provide assistance to Honker Lake Tract landowners.

special flood considerations

C69 - Manteca Subdivisions
Each of the subdivisions that are located south of Highway 120 have storm drains, which presently flow into retention basins. Plans are currently being reviewed that will convert the Woodward Park Storm Drain Basin into a detention basin. The newly constructed storm water pump stations would limit reverse flow preventing backwaters to entire the streets through storm water inlets. The gravity sewer lines in the various subdivisions currently discharge into pump stations. The pump stations discharge through the force main into the sewer treatment plant. The sewer outfall line has a flap gate located at the discharge point into the river that would prevent water from being pushed backward into the sewer plant.

C70 - RD 2064 Barge Access
District generally inaccessible to barges from downstream.

C72 - RD 2095 Historic Breaks
Historic breaks in this district have been on Paradise Cut levees. Interstate highways and railroad embankments have not been overtopped because of levee failure in this area. Failure of district_San Joaquin River levees with the much higher flow of the main stem of San Joaquin River would be much more damaging and would cut interstate highways and railroad embankments to the North. Consideration should be given to designing "Six-pack" pump station with dry wet well and floodgates that could be opened or closed in flood event as needed to preserve pump integrity and keep pumps out of water, and keep mud from clogging pumps by maintaining adequate water depths around pump intakes.

C75 - Drainage
RDs covered by this map have several pumping stations as shown for day-to-day drainage of reclaimed land. Cement culverts with gates are also in place as shown to allow gravity flow drainage back into the river if impounded water levels are high enough. In the event of flooding, districts would use culverts at low end of RD 2064 and RD 2096 (end of Walthall Slough) to drain area by gravity flow once river water elevations have subsided. District pumps would be used to drain remaining ponded water. District pumps are above 100-year flood elevations.

D5 - Red Bridge Slough Drainage
Three electric discharge pumps are used to drain Red Bridge Slough when the knife gate is closed and water in the river is higher than culvert output drain.

D6 - Local Seepage
In 2006, the area around Durham Ferry State Recreation Area along the east bank of the San Joaquin River had standing water from ground seepage.

D7 - Low water crossing at Red Bridge Slough
Red Bridge Slough at South Airport Way is a low water crossing, and will flood with any significant high water or a levee break in the district. Flooding of Airport Way will impede traffic going west towards the bridge over the San Joaquin River. In 1997, floodwaters washed out the South Airport Way.

D9 - High-water Event RD 2064
Red Bridge Slough crosses Mortensen Road through a culvert. In a high-water event, this road may not be passable, due to high waters overtopping the culvert onto the road. Access to the levee down Mortensen Road If Mortensen Road becomes flood stricken.

flood contingency options

C70 - RD 17 - Mossdale Tract, Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dry Land Levee, maintain primary district levees, and prepare to implement additional actions.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, make Mizuno Farms Relief Cut (not shown in this mapbook) south of Walthal Slough Dry Land Levee down to high water level. 2. Review specifications and equipment required for Weston Ranch Relief Cut (not shown in this mapbook) with San Joaquin County OES. 3. Review requirements for Hwy 120 Emergency Berms. 4. Preposition materials and initiate a standby contract to implement necessary actions. 5. Preposition needed material and equipment for construction of Lathrop Emergency Berms P.E.D. 6. Sign standby contract for construction of Mathew's Complex Ring Dike P.E.D.

C71 - RD 17 - Mossdale Tract, Failure of Walthal Slough Dry Land Levee
The general floodfight strategy is to floodfight Highway 120 with Highway 120 Emergency Berms.
Actions
1. Construct Highway 120 Emergency Berms to P.E.D. specs and floodfight Highway 120. 2. Position equipment to make Weston Ranch Relief Cut (not shown in this mapbook) near the confluence of San Joaquin River and French Camp Slough. 3. Construct Lathrop I-5 Emergency Berms at Lathrop Rd. and Louise Ave. 4. Construct Matthew's Complex Ring Dike on Mathews Rd. near French Camp.

C79 - RD 17 , Failure of Upstream Levee in RD 2064
The general floodfight strategy will be to maintain district levees, perform pre-planning for additional actions, and closely monitor floodfight on Trahern Cross Levee. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Monitor performance of Trahern Cross Levee above RD 2075 2. Initiate review of preliminary engineering and design work conducted under the San Joaquin OES office. 3. Advise RD 17, RD 2094, and RD 2096 of condition of Trahern Cross Levee floodfight

C80 - RD 17 , Failure of Upstream Levee in RD 2075 or RD 2094
The general floodfight strategy will be to floodfight the Walthal Slough Dryland Levee, maintain primary district levees, and prepare for additional actions. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Immediately upon failure, and in coordinate with RD 2096 officials, cut levee south of Walthal Slough Dryland Levee at Relief Cut (not shown in this mapbook) location down to high water level. Cut to be 1,200' wide at location indicated on map. Conduct floodfight on south cross levee extending from Levee Mile13. 6. Review specifications and equipment required for planned Relief Cut (not shown in this mapbook) at Levee Mile1. 4. Obtain all necessary releases. 2. Review requirements for Hwy 120 Emergency Berm extending from Levee Mile12. 8. Preposition materials and initiate a standby contract to implement necessary actions. 3. Preposition needed material and equipment for construction of Lathrop Containment Berms. 4. Sign standby contract for construction of Mathew's Complex Emergency Berm.

C81 - RD 17 , Failure of Walthal Slough Dryland Levee
The general floodfight strategy is to floodfight Highway 120 and construct planned emergency berms. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Construct Highway 120 Emergency Berms 2. Floodfight Highway 120. 3. Position equipment to make Relief Cut (not shown in this mapbook) at Levee Mile 1. 4 (Weston Ranch). 4. Construct Lathrop Containment Berms 5. Construct Sheriff s Complex Emergency Berm

C83 - RD 2075, 2096, 2094, Failure of Upstream Levee in RD 2064
The general floodfight strategy will be to hold the water at the Trahern Dryland Levee and maintain patrol and floodfight activities on primary levees. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Procure and pre-position equipment to make Upper Cardoza Relief Cut (not shown in this mapbook) if in the opinion of the district president, or senior district trustee present, a failure of the primary levees is probable. Upon failure of the district's primary levee, immediately make Upper Cardoza Relief Cut (not shown in this mapbook). Monitor water levels within district to ensure that outflow from Relief Cut (not shown in this mapbook) equals inflow into district. If water levels in district fail to stabilize, or at the request of RD 2075 given the conditions on the Trahern Levee make Lower Cardoza Relief Cut (not shown in this mapbook). 2. Initiate floodfight on Trahern Dryland Levee including wave wash protection and raising of levee to adequate height above floodwaters. Close gates through Trahern Levee at Walthal Slough and other existing culverts to prevent flanking of levee. Immediately, in coordinate with County OES, make a request to the Corps of Engineers to floodfight the Trahern Dryland Levee under PL84-99 authority. 3. Monitor performance of Trahern Dryland Levee and keep Operational Area EOC, RD 2094, RD 2096, and RD 17 informed.

C84 - RD 2075, 2096, 2094, Failure of Stanislaus River Levees East of Manteca Road
The general floodfight strategy will be to hold River Junction/McMullin Dryland Levee to divert water around RD 2064 and RD 2075 and into Walthal Slough.
Actions
1. Floodfight River Junction/McMullin Dryland Levee from Stanislaus River to Melton Road. Close Melton Road with temporary berm. 2. Floodfight River Junction/McMullin Dryland Levee from Melton Road to West Ripon Road. 3. Close Perrin Road with temporary berm. 4. Check need to extend Almondwood Dryland Levee south or east to control flow into Walthal Slough.

C89 - RD 2064, Failure of Stanislaus River Levees East of Manteca Road
The general floodfight strategy will be to hold Manteca Road Dryland Levee to divert water around RD 2064 and RD 2075 and into Walthal Slough.
Actions
1. Floodfight Manteca Dry land Levee from Stanislaus River to Melton Road. Close Melton Road with temporary berm. 2. Floodfight Manteca Dry land Levee from Melton Road to West Ripon Road. Close Perrin Road with temporary berm.

C91 - RD 2085, Failure of Primary Levees within San Joaquin River Club south of River Club Dryland Levee
This scenario will lead to flooding of San Joaquin River Club and northern end of district. The general floodfight strategy will be to expedite flow at north end of district near Banta-Carbona Canal in order to reduce flooding of property on higher ground to West and reduce levels of impounded floodwaters. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make River Club Relief Cut (not shown in this mapbook), 2. Make Banta Carbona Relief Cut (not shown in this mapbook) 3. Repair Levee Breach 4. Plan for and install de-watering pumps

C92 - RD 2085, Failure of Primary Levee North of San Joaquin River Club
This scenario will lead to flooding of northern end of district with the possibility of backing floodwaters south into San Joaquin River Club. The general floodfight strategy will be to make a Relief Cut (not shown in this mapbook) to reduce level of impounded flood waters, prevent movement of floodwaters into San Joaquin River Club, and protect structures on West side of district.
Actions
1. Make Banta Carbona Relief Cut (not shown in this mapbook). 2. Organize and conduct flood fight operations on River Club Dry Land Levee 3. Evaluate threat to structures on West side and install emergency berms where appropriate

C94 - RD 2058/2095, Failure of Primary Levee on San Joaquin River
This scenario will lead to flooding of RD 2095 and RD 2058 downstream. Higher water volumes from San Joaquin River would be expected to overtop railroad embankments, Interstate 5, and 205 and render cofferdam or other delaying action ineffective. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Sugar Cut Relief Cut (not shown in this mapbook) if stage in lower Paradise Cut and Sugar Cut are lower than impounded water. 2. Install pumps along Sugar and Paradise Cuts to de-water districts 3. Evaluate threat to structures on higher ground on West and South side of RD 2095 and install emergency berms where appropriate

C95 - RD 2058/2095, Failure of Primary Levee on Paradise Cur south of Interstate 5 San Joaquin River Bridge
This scenario will lead to flooding of RD 2095 and RD 2058 with flood waters being backed up to South in RD 2095 if flow must pass through restricted 96" culvert on railroad embankment. Floodwaters will further back toward the southern and western end of RD 2095 if Tom Paine Coffer Dam is installed. General floodfight strategy will be to protect structures on west and south side of district and Dueul Vocational Institute, and slow flow to north side of RD 2058 with least amount of adverse impact possible to allow for evacuation of RD 2058 and installation of emergency pumps. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Sugar Cut Relief Cut (not shown in this mapbook) if water levels in lower Paradise Cut and Sugar Cut are lower than impounded waters 2. Install pumps along Sugar and Paradise Cut to reduce extent of flooding and de-water district 3. Place pre-designed Tom Paine Coffer Dam and Structure Protection Berm Complex to slow northward flow while minimizing adverse impacts 4. Protect structures upstream of break from flood waters backing up to high ground

C96 - RD 2058/2095, Failure of Primary Levee on Paradise Cut north of Interstate 5 San Joaquin River Bridge
This scenario will lead to flooding of RD 2058 with the possibility of floodwaters backing up into RD 2095.
Actions
1. Place pumps along Sugar and Paradise Cuts to reduce flooding extent and dewater District 2. Place emergency berms at Tom Paine Slough to prevent water from backing up into RD 2095.

C97 - RD 2058/2095, Coral Hollow Creek flash Flood
This scenario will lead to flooding of district from the west with sheet flow. Floodwaters will threaten Duell Vocational Institute and will flow into Tom Paine Slough and travel northward. General floodfight strategy will be to pump floodwaters at existing pump station platforms near confluence of Paradise Cut and San Joaquin River.
Actions
Prioritized actions should be developed at later

D5 - Upper Stanislaus Flood, Failure of Stanislaus River LIPL Levee East of Manteca Road Dryland Levee
The general floodfight strategy will be to facilitate movement of water west to minimize extension of water to north and make Brocchini Farms if conditions warrant. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Position equipment to make Brocchini Farm Relief Cut (not shown in this mapbook). Upon failure of LIPL levee, monitor elevation of impounded floodwaters and complete cut when and if impounded waters reach elevation of river waters at Relief Cut (not shown in this mapbook) site. 2. If breach is to east of Mohler and Moncure Roads intersection, cut road embankment at that point to facilitate westward flow of flood waters.

D7 - RD 2064, 2075, 2094, 2096, Failure of RD 2064 Primary Levee
The general floodfight strategy will be to flood fight the Trahern Dryland Levee, make the Lower Cardoza Relief Cut (not shown in this mapbook), and protect interior levee slopes. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Coordinate with PG&E. to cut power to flooded sections. 2. Position equipment at Lower Cardoza Relief Cut (not shown in this mapbook) if levee failure is probable. Upon failure of primary levee, make Relief Cut (not shown in this mapbook) to just above water line of river. As impounded waters build up to the level of river water, complete cut. 3. Monitor outflow from first Relief Cut and elevation of impounded water to determine need for a second Relief Cut to stabilize water elevation. If appropriate, make Upper Cardoza Relief Cut (not shown in this mapbook) to stabilize elevation of impounded waters and assist flood fight operations. 4. Flood fight Trahern Dryland Levee. Close gates through Trahern Dryland Levee at Walthal Slough and other culverts to prevent water from penetrating or flanking east end of levee. 5. Protect interior slopes of district levees.

D8 - RD 2064, 2075, 2094, 2096, Failure of Trahern Dryland Levee or RD 2075 Primary Levee
The general floodfight strategy will be to protect interior of district levees. Support activity by RD 17 to flood fights Woodward Dryland Levee on north side of RD 2094. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Position equipment to make Mizuno Farms Relief Cut (not shown in this mapbook). Upon failure of primary levee, make cut to just above water level of river. Monitor elevation of impounded floodwaters and complete cut when elevation of impounded waters reach elevation of river waters. 2. Protect interior slopes of district levees.

D9 - RD 2064, 2075, 2094, 2096, Failure of RD 2094 or RD 2096 Primary Levee
The general floodfight strategy will be to flood fight Almondwood Dryland Levee to prevent floodwaters from backing up into RD 2075.
Actions
1. Coordinate with PG&E. to cut power to areas impacted by floodwaters 2. Flood fight Almondwood Dryland Levee. 3. Protect interior slopes of district levees. 4. Support RD 17 flood fight of Woodward Dryland Levee.

D10 - RD 2064, 2075, 2094, 2096, Failure of Stanislaus River Levees East of Manteca Road Dryland Levee
The general floodfight strategy will be to flood fight Manteca Road Dryland Levee, make Brocchini Farm Relief Cut (not shown in this mapbook), and install emergency pumps at mouth of Walthal Slough to evacuate flood waters that may move north and west into Walthal Slough. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Coordinate with PG&E. to cut power to areas impacted by floodwaters. 2. Flood fight Manteca Dryland Levee. Close Melton and Perrin Roads with temporary berms. 3. Extend Almondwood Dryland Levee if needed to control any flow toward s Walthal Slough. 4. Position equipment at Brocchini Farms Relief Cut (not shown in this mapbook). If impounded floodwater elevations exceed elevation of river water, complete Relief Cut (not shown in this mapbook). 5. Install emergency pumps at mouth of Walthal Slough to pump floodwaters entering slough back into river.

special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

C91 - RD 2085, Failure of Primary Levees within San Joaquin River Club south of River Club Dryland Levee
This scenario will lead to flooding of San Joaquin River Club and northern end of district. The general floodfight strategy will be to expedite flow at north end of district near Banta-Carbona Canal in order to reduce flooding of property on higher ground to West and reduce levels of impounded floodwaters. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make River Club Relief Cut (not shown in this mapbook), 2. Make Banta Carbona Relief Cut (not shown in this mapbook) 3. Repair Levee Breach 4. Plan for and install de-watering pumps

C92 - RD 2085, Failure of Primary Levee North of San Joaquin River Club
This scenario will lead to flooding of northern end of district with the possibility of backing floodwaters south into San Joaquin River Club. The general floodfight strategy will be to make a Relief Cut (not shown in this mapbook) to reduce level of impounded flood waters, prevent movement of floodwaters into San Joaquin River Club, and protect structures on West side of district.
Actions
1. Make Banta Carbona Relief Cut (not shown in this mapbook). 2. Organize and conduct flood fight operations on River Club Dry Land Levee 3. Evaluate threat to structures on West side and install emergency berms where appropriate

C97 - RD 2058/2095, Coral Hollow Creek flash Flood
This scenario will lead to flooding of district from the west with sheet flow. Floodwaters will threaten Duell Vocational Institute and will flow into Tom Paine Slough and travel northward. General floodfight strategy will be to pump floodwaters at existing pump station platforms near confluence of Paradise Cut and San Joaquin River.
Actions
Prioritized actions should be developed at later

D8 - RD 2064, 2075, 2094, 2096, Failure of Trahern Dryland Levee or RD 2075 Primary Levee
The general floodfight strategy will be to protect interior of district levees. Support activity by RD 17 to flood fights Woodward Dryland Levee on north side of RD 2094. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Position equipment to make Mizuno Farms Relief Cut (not shown in this mapbook). Upon failure of primary levee, make cut to just above water level of river. Monitor elevation of impounded floodwaters and complete cut when elevation of impounded waters reach elevation of river waters. 2. Protect interior slopes of district levees.

special flood considerations

C33 - Kidd Dryland Cross Levee
Small cross levee probably placed to prevent movement of floodwaters into eastern portion of Union Island from a break from Union Island West (RD 0002) and to protect old town of Undine (no longer exists). Not high or substantial enough to hold floodwaters coming from Stark Tract (RD 2089) or from primary levee failure on eastern portion of Union Island East (RD 0001). Defense of this levee is not an option for current flood scenarios.

C77 - RD No. 524
San Joaquin River originally went through Burn's Cut levee. Creation of ship channel lowered 100-year flood flows through Bum's Cut too much below levee height. Potential for need for a relief cut at Burn's Cut would recommend the lowering of RD 524 at this location by 4 feet to facilitate implementation of relief cut. Potential need for a relief cut on south side of Bum's 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.

C78 - RD No. 524
In the event of flooding of Highway 4 access to City of Stockton Municipal Utilities Department Treatment Plant from Highway 4 north on the RD 524 levee will require construction of a dirt ramp and turn around pad for heavy trucks.

D14 - Drexler Tract
The levee located along West Kingston School Road is filled with rodent burrows. The levee structural integrity has been diminished due to rodent burrows and may not provide flood protection if the island is subjected to flooding.

flood contingency options

C74 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Upper Roberts District (RD 544)
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 floodfight 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. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook) one-quarter mile east of Natali Road; lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4. 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Rail Embankment & Highway 4 to Kingston School Responsible Agency: Drexler/Pocket Area Landowners 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Make cut in Upper Robert Dry Land Levee to facilitate flow of water through Upper and Middle Roberts Districts to prevent ponding toward higher ground 7. Floodfight Waste Treatment Facility Levees

D13 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Middle Roberts District (RD 524)
This scenario will lead to flooding of Middle Roberts Island 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 floodfight strategy will be to prevent movement of floodwaters north and west into Drexler Tract and Lower Roberts District and south into Upper Roberts District. Refer to san joaquin County developed flood contingency maps and preliminary engineering designs (P.E.D.) for actions related to emergency berms and pre-engineered relief cuts (not shown in this mapbook). Visit www.sjmap.org/oesfcm for detailed flood fight maps and coordination requirements.
Actions
1. Make Bums Cut Relief Cut (not shown in this mapbook); lower levee to near water level of Bums Cut one-quarter mile East of Natali Road; finish cut when floodwaters inside district equalize with Bums Cut waters; extend cut until rise of floodwaters ceases. 2. Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 3. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to a point equidistant from the Santa Fe Railroad Embankment and Highway 4 . 4. Floodfight Inland Drive/Natali Road Dryland Levee from a point equidistant between the Santa Fe Railroad Embankment and Highway 4 to Kingston School 5. Floodfight Inland Drive/Natali Road Dryland Levee from Kingston School to Middle River. 6. Floodfight Upper Roberts Dry Land Levee 7. Floodfight Waste Treatment Facility Levees

D14 - RD 524, 544 & 684 (Roberts Island), Failure of Primary Levee in Lower Roberts District (RD 684)
This scenario will lead to flooding of Lower Roberts Island with floodwaters moving to south and west. The general floodfight strategy will be to prevent movement of floodwaters south and west into Honker Lake and Middle Roberts District.
Actions
1. Raise most northerly portion of Inland Drive/Natali Road Dryland Levee to level of Santa Fe Railroad Embankment (10.5 feet) 2. Floodfight Inland Drive/Natali Road Dryland Levee from Bums Cut to Highway 4. 3. Prepare to floodfight Upper Roberts Dry Land Levee in event of flooding of Middle Roberts Island 4. Prepare to floodfight Waste Treatment Facility

D16 - Drexler Tract & Honker Lake, Failure of Primary Levee on RD 2038 (Lower Jones Tract) or RD 2039 (Upper Jones Tract)
This scenario will lead to flooding of Upper and Lower Jones Tracts with the risk of overtopping of Trapper Slough Levee and movement of water into areas south of the Jones Tracts. The general floodfight strategy will be to prevent southward movement of floodwaters.
Actions
1. Floodfight Trapper Slough Levee and raise if necessary. Other actions to be developed at later date.

D17 - Drexler Tract & Honker Lake, Failure of Primary Levee in RD 544 (Upper Roberts) or RD 524 (Middle Roberts Island)
This scenario will lead to flooding of Upper Roberts and Middle Roberts Island with floodwaters moving through middle of districts and then ponding toward higher ground along easterly and westerly levees. First contact of water with Inland Drive/Natali Road Dryland Levee will probably be in the Pocket Area. The general floodfight strategy will be to prevent movement of floodwaters north and northwestward into Drexler and Honker Lake Tracts and the Pocket Area.
Actions
1. Floodfight Inland Drive south of Honker Lake Dry Land Levee; Raise Inland Drive to 10.5' Responsible Agency: Honker Lake Landowners 2. Floodfight Inland Drive north of Honker Lake Dry Land Levee; Raise Inland Drive to 10.5 FT. 3. If Inland Drive fails south of Honker Lake Dry Land Levee, floodfight Honker Lake Dry Land Levee; request assistance from Lower Roberts District

D18 - Drexler Tract & Honker Lake, Failure of Primary Levee in the "Pocket" Area or Drexler Tract
This scenario will lead to flooding of Drexler Tract, Pocket Area, Upper and Lower Jones Tracts (RD 2038 and RD 2039). The general floodfight strategy will be to hold the Honker Lake Dryland Levee to prevent flooding of Honker Lake Tract and Lower Roberts Island (RD 684).
Actions
1. Floodfight Westerly Honker Lake Dryland Levee. 2. Provide assistance to Honker Lake Tract landowners.

Solano County

special flood considerations

E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.

E2 - Levee Depression
A depression in a levee caused by New Delhi Road crossing at Cache Slough can be vulnerable to an overtopping event. This levee serves as the western bank of the Yolo Bypass. The depression located at Cache Slough and Delhi Rd should be monitored for threats associated with overtopping at this location when flooding is present in the Yolo Bypass.

E3 - Rural Flooding
If the western bank of the Yolo Bypass levee fails near Cache Slough as a result of high water in the Yolo Bypass, 50 to 60 homes are subject to flooding. Temporary storage of floodwaters from the Dixon Regional Watershed can be stored at farm units to prevent localized flooding.

E4 - Dixon Back Waters
The entire rural area between the City of Dixon and the Yolo Bypass is subject to flooding. Heavy rain followed by sheet flow across the rural area, (flowing northwest to southeast) can cause minor to major flooding. If conditions continue to threaten life, safety and property, rural populations may need to evacuate to higher grounds located near the City of Dixon.

E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach FT.

E10 - Yolo Bypass
The Yolo Bypass is one of two flood bypasses in the Sacramento Valley located in Yolo and Solano Counties. It protects Sacramento and other riverside communities from flooding through a system of weirs. These weirs connect the bypass to the Sacramento River as well as to various local creeks where the water is eventually drained into the Sacramento-San Joaquin River Delta. During wet years, the bypass can be completely full of water. The main input to the bypass is through the passive Fremont Weir, where water spills over into the bypass if it reaches the 33.5 FT crest. Downstream, the Sacramento Weir, just north of the city of West Sacramento, can also be opened to divert additional waters to protect Sacramento and West Sacramento if needed. The bypass ends a few miles north of Rio Vista in the Liberty Farms area, where the bypass joins first Prospect Slough and then Cache Slough adjacent to the connection of the Sacramento Deep Water Ship Channel. Cache Slough then reconnects with the Sacramento River just North of Rio Vista.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

Special Flood Considerations & Flood Contingency Options by Page

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special flood considerations

B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.
E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.
E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.
E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.
E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.
E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.
E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach FT.
E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.
E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.
E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.
B38 - Ferry Access
Real McCoy Ferry closes all access during high water, the ferry provides access to Sacramento County and Grand Island (RD 0003) from State Highway 84 and 220. If the ferry is shut down, the only access to Grand Island will be the Tyler Island Bridge from the east.
E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.
E8 - Gate Valve
Screw gate valves are on multiple points along Liberty Island levees, however, limited maintenance has been conducted on the gate valves themselves, limiting the functionality to adjust water surface elevation for the island.
E11 - Highway 84
Highway 84 is the north-west arterial road that begins at Route 12 in Rio Vista, passes through Ryer Island (where it connects to Route 220), and ends at the Interstate 80 interchange in West Sacramento. A ferry provides the crossing over Cache Slough from Rio Vista to Ryer Island. The ferry, a diesel-powered boat operated by Caltrans, is in operation twenty-four hours per day.
E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.
E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.
E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.
E7 - Barge Access
Snag Slough has limited barge access due to shallow water and a low bridge crossing located at Liberty Island Slough.
E15 - Levee Maintenance
RD 2060 is the local maintaining agency for the State Plan of Flood Control Facilities from Yolo Bypass right-bank levee from Sacramento Bypass to Putah Creek.
E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B20 - Highway 12 Grade
California Highway 12 traversing Brannan Island RD 317 is at grade and may be effected any combination of levee failures. The highway also transects the lower elevations of the island. Some areas of Highway 12 or approx. 15 FT below sea level.
B22 - Vieira's Resort
On northern area of Brannan Island (RD 0317), access to Viera's Resort & Marina area may be compromised in flood event. Anchor Dr. off Highway 160 is only vehicle egress available. Waterborne evacuation may be necessary depending on the condition of the Highway 160 levee road north and south of Vieira's Resort.
E19 - Ferry Access
Ryer Island closes all access during high water event. Highway 84 is the only vehicular access point (via Ryer Island Ferry).

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

A13 - Levee Improvements
West horn of Jersey Island at the confluences of San Joaquin River and Dutch Slough has undergone levee stability improvements. Improvements include splash berms located south of western horn on Jersey Island. Minimum widths of splash berms range anywhere from 16 FT to 64 FT.
B25 - RD 341
The southern levee on the San Joaquin River side failed and flooded the island on January 20, 1969. Upon finding the break, a large quantity of rock was placed on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tidal movement. Without placement of the rock, the break, which was approximately 275 feet wide and about 45 feet below mean sea level, would have been greatly enlarged. After the break, the water inside the island equalized with San Joaquin River heights. The floodwaters incised a deep channel on the waterside/landside toe of the levee at the site of the break. USACE repaired, re-sloped, and re-graded the levee break area after the 1969 break.
B26 - RD 341
Serious levee breach and major flooding of RD 341 occurred during 1904 when a crevasse opened on Mayberry Slough. Floodwaters again inundated the Island in 1906, 1909 and most recently on January 20, 1969, when a Sherman Island levee failed during storm.
B28 - Sherman Island
Sherman Island is located at the confluences of the Sacramento and San Joaquin River. The 14,000-acre island has numerous lifelines that pass across, under and over the island. Natural gas pipelines, regional electricity transmission lines, two deepwater shipping channels run alongside it, and Highway 160 (a link between major expressways Hwy 80 and 4, and a Ēshort-cutĒ to Sacramento) all transect the island.
B29 - RD 341
Along West Sherman Island Road, on the east side of Sherman Lake the weakest point of the levee exists and is susceptible to breaching.
B30 - RD 341 Wave Run-Up
Along the San Joaquin River, storms from a southwest direction can create 4' to 5' waves along river.
B31 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on Sherman Island near East Levee Road along the San Joaquin River.
B32 - RD 341
A counter balance berm 2' to 3' wide to prevent flooding exists on West Sherman Island Road along the Sacramento River between Station 700+00 and 720+00.
B33 - RD 341
Entrance to Mayberry Slough is not accessible by a rock barge as the water level is too shallow.
B34 - RD 341
In 1990 a drainage system was installed on the landside levee berm to control seepage from station 410+00 to 480+00. Occasional boils and/or sinkholes have developed and been repaired in the area between 410+00 and 440+00.
B35 - RD 341
A sand boil occurs repetitively on West Sherman Island Road between Station 700+00 and 730+00.
B36 - RD 341
The southern levee on the San Joaquin River, a 60 FT hole exists at the weakest point of the levee. The levee has visible cracking.
B37 - RD 341
The center of Sherman Island is approximately 20' - 30' below sea level. Any failure of the levee system surrounding the island would result in major flooding of the entire island and the closure of Highway 160.

flood contingency options

A2 - RD 0830, Failure of San Joaquin River Levee on RD 0830 (Jersey Island)
This scenario will lead to flooding of Jersey Island (RD 0830) in approximately 6-7 hours.
Actions
1. Prepare to floodfight District Headquarters. 2. Shut down natural gas well heads at north end of island. 3. Shut down natural gas well heads at south end of island.
B14 - RD 341, Failure of the Southern Levee on RD 341
The general floodfight strategy is to place a large quantity of rock on the upstream and downstream ends of the levee to protect against further erosion from high velocities into and out of the break due to tide.
Actions
1. Immediately place visquine to protect interior slopes of primary levees. 2. Prepare pre-planned delivery points for movement of supplies and equipment by water to district. 3. Stabilize ends of break to reduce extent of break. 4. Seal break once water levels have stabilized. 5. Place additional pump capacity at location of emergency pumping station for dewatering of district. 6. Coordinate with district personnel provided under the emergency management contacts provided on this page.

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special flood considerations

A3 - Dow Chemical Plant
Dow Chemical's Pittsburg plant is the largest integrated chemical complex of its kind on the West Coast. The plant has both manufacturing and research facilities with many hazardous chemicals. At Dow Chemical approx. 600 employees are located onsite, and provide their own fire brigade, security team, and medical facilities. In the event of an emergency or to monitor the status of any on-site emergency, call (925) 432 5500.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

Yolo County

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

F1 - RD 900, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Sacramento Ave with Todhunter Ave.
Actions
Prioritized actions should be developed at later date.
F2 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Jefferson Blvd with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.
F3 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of 5th Street with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.

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special flood considerations

There are no recorded Special Flood Considerations on this map page.

flood contingency options

F1 - RD 900, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Sacramento Ave with Todhunter Ave.
Actions
Prioritized actions should be developed at later date.
F2 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of Jefferson Blvd with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.
F3 - West Sacramento, Water Flowing from the North
The floodfight strategy is to construct an emergency berm at the intersection of 5th Street with the Sacramento Northern Railway.
Actions
Prioritized actions should be developed at later date.
F4 - RD 900, Water Flowing from the East
The general flood strategy will be use the old railroad tracks to serve as temporary berm for populations on the west side of the old tracks.
Actions
Prioritized actions should be developed at later date.

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special flood considerations

B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours; flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).
B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

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special flood considerations

B2 - Interstate 5
Interstate 5 is below predicted base flood elevations. It is important to note that flooding is a threat on the eastern and western sides of I-5. Backwaters from local drainage creeks and Delta levee failure are a concern in this area, major storm events should cause multi-directional flooding.
B3 - Lisbon District Pocket Area
A major levee break could flood the entire area in just a few hours; flood depths could be more than 15 FT on the eastern portions of Lisbon District (RD 0307).
B4 - Garcia Bend
There are over 50,000 residents in the immediate area. If the Sacramento River level reaches 29.7 FT at the I Street Bridge, and the water levels are expected to rise, the City of West Sacramento will start evacuation stages in immediate threatened areas. At this stage water level is projected to be approx. 2 FT from the top of the levees surrounding Sacramento and West Sacramento.
B5 - Railroad Grade Levee
The old railroad grade levee along Snodgrass Slough and Stone Lake is not a protecting levee. This is not considered a barrier against high-water events.
B7 - RD 755
Waterside sloughing on the east levee of the Sacramento River exists in the area.
E1 - Rural Levees
The levees around northern Cache Haas Area (RD 2098) and the surrounding rural areas provide inadequate protection against floodwaters. No policy has addressed the level of protection required for rural levees in Solano County. Development pressures in Yuba City and Sacramento could increase the amount of floodwaters conveyed into the Yolo Bypass and the Delta, raising the water surface elevations, putting further strains on Solano County rural levees.
E2 - Levee Depression
A depression in a levee caused by New Delhi Road crossing at Cache Slough can be vulnerable to an overtopping event. This levee serves as the western bank of the Yolo Bypass. The depression located at Cache Slough and Delhi Rd should be monitored for threats associated with overtopping at this location when flooding is present in the Yolo Bypass.
E3 - Rural Flooding
If the western bank of the Yolo Bypass levee fails near Cache Slough as a result of high water in the Yolo Bypass, 50 to 60 homes are subject to flooding. Temporary storage of floodwaters from the Dixon Regional Watershed can be stored at farm units to prevent localized flooding.
E5 - Cache Slough
Cache Slough will experience elevated volumes of water due to tributary influence from Main Prairie rural area during rain or high water events. Cache Slough is also the release point for the Yolo Bypass floodwaters back into the Sacramento River Deep Water Channel.
E6 - High Ground
The area Liberty Island Road meets County Road 5190C is generally high ground and suitable for a temporary evacuation area.
E9 - Yolo Bypass Water Level
The Yolo Bypass design water surface elevation is +/-2.0 FT. This designed water surface elevation may cause threats to surrounding levees. Levee patrols should be initiated when the water surface elevations reach +/-2.0 FT.
E10 - Yolo Bypass
The Yolo Bypass is one of two flood bypasses in the Sacramento Valley located in Yolo and Solano Counties. It protects Sacramento and other riverside communities from flooding through a system of weirs. These weirs connect the bypass to the Sacramento River as well as to various local creeks where the water is eventually drained into the Sacramento-San Joaquin River Delta. During wet years, the bypass can be completely full of water. The main input to the bypass is through the passive Fremont Weir, where water spills over into the bypass if it reaches the 33.5 FT crest. Downstream, the Sacramento Weir, just north of the city of West Sacramento, can also be opened to divert additional waters to protect Sacramento and West Sacramento if needed. The bypass ends a few miles north of Rio Vista in the Liberty Farms area, where the bypass joins first Prospect Slough and then Cache Slough adjacent to the connection of the Sacramento Deep Water Ship Channel. Cache Slough then reconnects with the Sacramento River just North of Rio Vista.
E17 - Cache Slough Levee
Cache Slough levees are weak and derogated starting in the northeast area of RD 2060 and running southeast along Cache Slough. The levees in this area serve as the western bank of the Yolo Bypass as are considered high-risk levees by local flood control personnel.

flood contingency options

There are no recorded Flood Contingency Options on this map page.

DELTA REGION HIGH WATER EVENT FLOOD CONTINGENCY OPTIONS

HIGH WATER EVENT
The general flood fight strategy will be to protect the perimeter or primary levees protecting, people and property. Emergency flood fight measures should be coordinated and supervised by Reclamation Districts (RDs), Levee Maintaining Agencies (LMAs), and/or a combination of levee owners and flood control device operators. The primary flood fight strategy is to patrol primary levees, ensure flood control devices remain operational, and monitor the situation for any levee distress or threat of imminent failure. The flood fight personnel will coordinate levee patrol with County, State and Federal teams assigned to assess and/or flood fight on private, state, and federal levees. County Emergency Services should be contacted to address imminent failure threats. County Emergency Services should coordinate action planning between levee districts and State/Federal agencies and provide logistical support when necessary. In the event that access from land or water is restricted due to the flood, local flood fight personnel will monitor and arrange to implement emergency access plans with specific county OES in the region. For unexpected levee failure, or threat of imminent failure contact DWR Flood Operations Center (916.514.2619) for emergency response assistance and flood fight strategy.

ACTIONS
1) Upon receipt of high water notification, the local maintaining agency should establish levee patrol, form a skeleton organization capable of quick expansion, and assign individuals to have charge of definite sections of levees. In order to provide proper condition assessments, maintain adequate patrol and flood fight personnel.
2) Maintain detailed inspection reports, particularly with reference to the following matters: condition of levees and recent repairs, road crossings or other locations where the levee is below grade, condition of culverts, flap gates, sluice gates and trash racks. Report all levee erosion, slumping, seepage and/or boils forming.
3) Obtain and distribute necessary tools and flood fight materials (sacks, sandbags, brush, lumber, lights, etc.) at points where flood maintenance is anticipated. Fill any holes or washes found in the levee with compacted material. Repair gaps where road crossings have worn down the levee crown or other locations where the levee is below grade; locate any right-of-way encroachment that could impede access and efficient operation and determine any action required.
4) If flooding is eminent, make requests as appropriate to local, State and Federal personnel for assistance with flood fight resources. Verify evacuation plans with emergency response agencies. Verify and establish supply staging areas, procure and pre-position equipment, establish movement plan for resources into the area in the event that land access is degraded. Review specific protective actions to protect vital facilities in event of failure. Evaluate secondary line of defense if primary levees fail (i.e. required height of inland levees and Preliminary Engineering Design (PED) plans if they exist). Calculate amount of material necessary to implement PED and further protection methods and coordinate with local suppliers and EM personnel. Verify emergency power to maintain pump stations and other flood control structures. Locate transportation resources, including available trucks and heavy hauling equipment.

Delta Emergency Response Mapbook Data

Contents

- *Complete Delta Geodatabase*
- *Data Dictionary*
- *GIS MXD & Layer Files*
- *Delta Data KMZ*

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