



Yolo County Integrated Regional Water Management Plan

Water Resources Association of Yolo County



WRA ANNUAL REPORT



Capay Diversion Dam Apron Repair
Yolo County Flood Control & Water Conservation District

WRA MEMBER AGENCIES

- City of Davis
- City of West Sacramento
- City of Winters
- City of Woodland
- County of Yolo
- Colusa County Water District
- Dunnigan Water District
- Reclamation District 108
- Reclamation District 2035
- University of California Davis
- Yolo County Flood Control & Water Conservation District

WRA ASSOCIATE MEMBERS

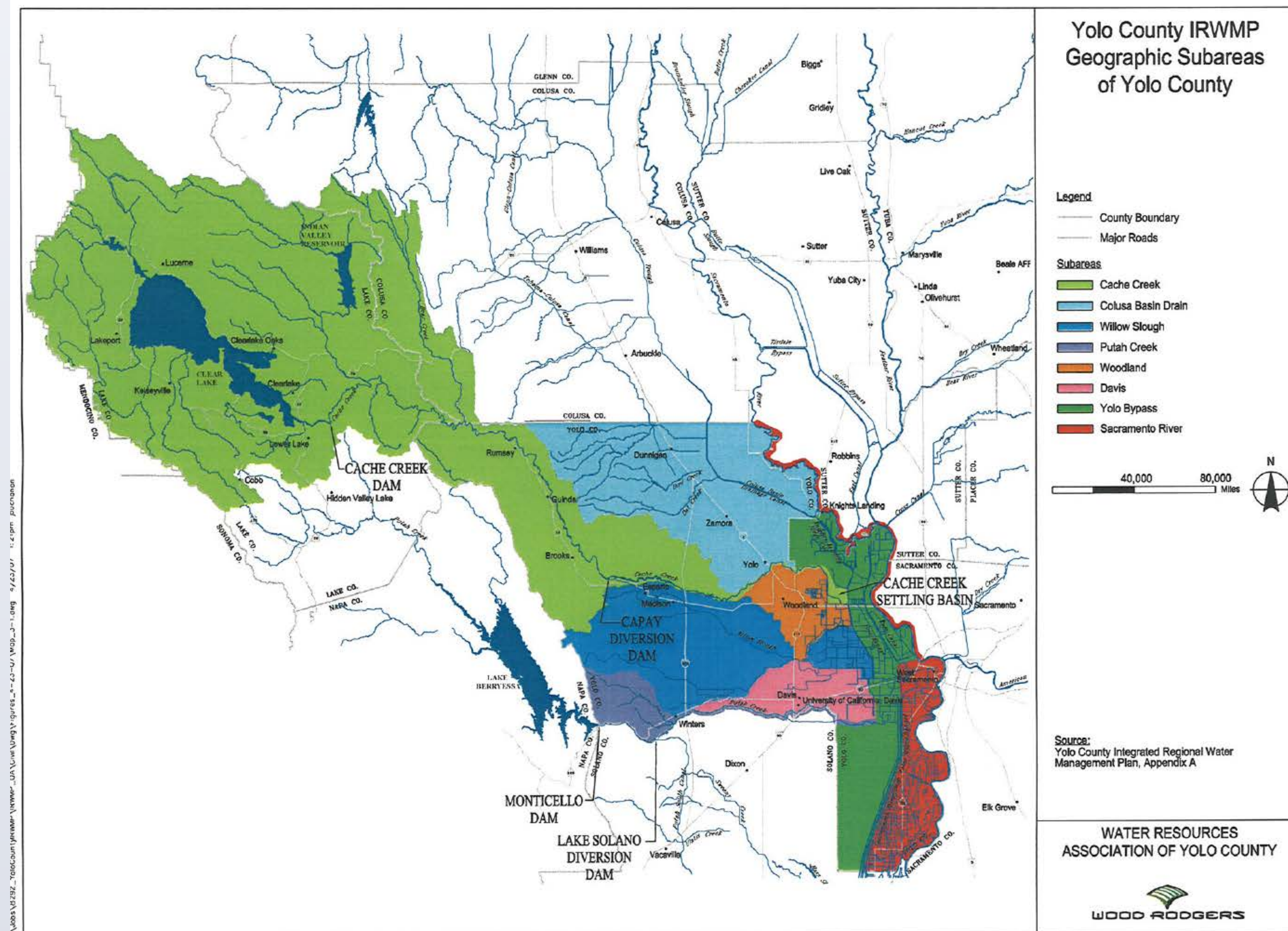
- Fran Borcalli, P.E., Consulting Engineer
- Cache Creek Conservancy, Woodland
- Reclamation District 1600, West Sacramento
- Reclamation District 2068, Yolo & Solano Counties
- West Yost Associates, Davis
- Wood Rodgers, Inc., Sacramento
- Yolo Basin Foundation, Davis
- Yolo County Resource Conservation District, Woodland
- 5 G Consulting, LLC, Sacramento



West Sacramento Levee Improvement Project
I Street Bridge
City of West Sacramento

DEVELOPMENT OF THE YOLO COUNTY IRWMP

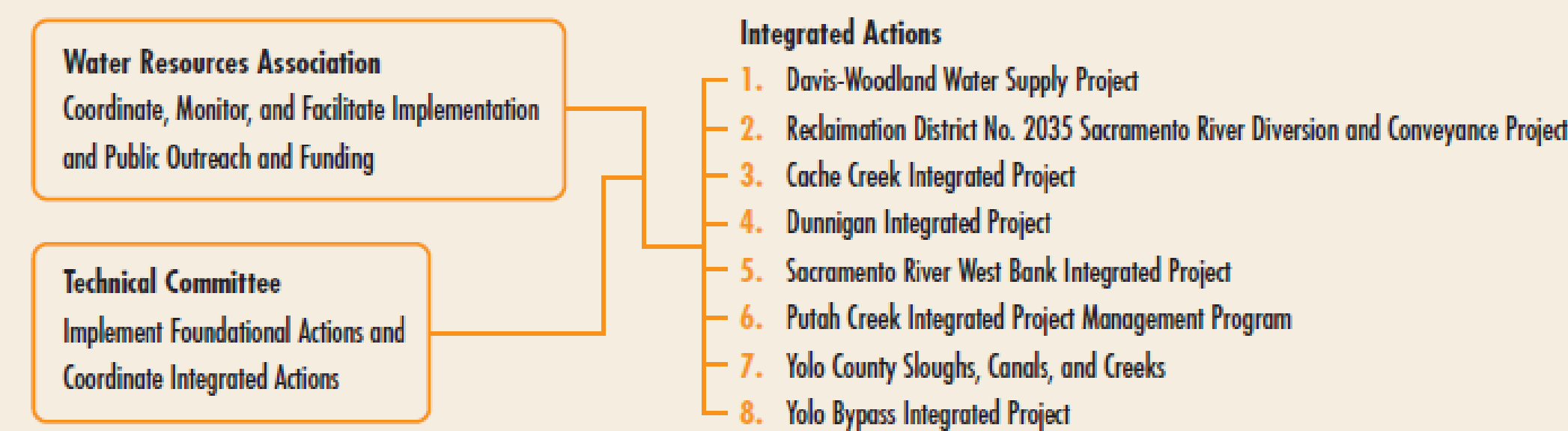
- The Water Resources Association of Yolo County (WRA) developed the county's first Integrated Regional Water Management Plan (IRWMP).
- The IRWMP describes water supply projects and outlines comprehensive programs that includes flood management, water quality, aquatic and riparian habitat, and recreational opportunities.
- The Yolo County IRWMP was a significant milestone in the advancement of water resources management in Yolo County.
- Development of the IRWMP led to closer collaborative ties between the State, local water resource agencies, and community organizations for the benefit of all stakeholders.



YOLO COUNTY IRWMP IMPLEMENTATION

- The WRA engaged large, diverse group of public and non-profit agencies that manage water resources during the IRWMP's development.
- The success of the IRWMP is measured by the extent to which the Integrated Actions are implemented.
- Last year, the WRA Technical Committee reviewed the IRWMP projects list and updated their status.
- The review resulted in the 2011 Project Accomplishments List and the Implementation by 2020 Priority Projects List.

YOLO COUNTY IRWMP IMPLEMENTATION STRUCTURE



Foundational Actions	West Sacramento							
	Winters	Davis	Woodland	UCD	County	YCFWCWD	DWD	RD 2035
Groundwater Monitoring Program	▲	▲	▲	▲	▲	▲	▲	▲
Surface Water Monitoring Program	▲	▲	▲	▲	▲	▲	▲	▲
Subsidence Monitoring Program	▲	▲	▲	▲	▲	▲	▲	▲
Groundwater Model Enhancement Program	▲	▲	▲	▲	▲	▲	▲	▲
Water Resources Infrastructure Database Enhancement Program	▲	▲	▲	▲	▲	▲	▲	▲
HCP/NCCP Development	▲	▲	▲	▲	▲	▲	▲	▲
Aquatic Habitat and Fish Opportunities Assessment	▲	▲	▲	▲	▲	▲	▲	▲
Topographic Mapping (LiDAR Project)	▲	▲	▲	▲	▲	▲	▲	▲

▲ INDICATES LEAD ENTITY FOR THE RESPECTIVE FOUNDATIONAL ACTION ▲ INDICATES POTENTIAL BENEFITS FROM FOUNDATIONAL ACTION
THIS FIGURE IS FIGURE 6.1 IN THE IRWMP

WESTSIDE IRWMP

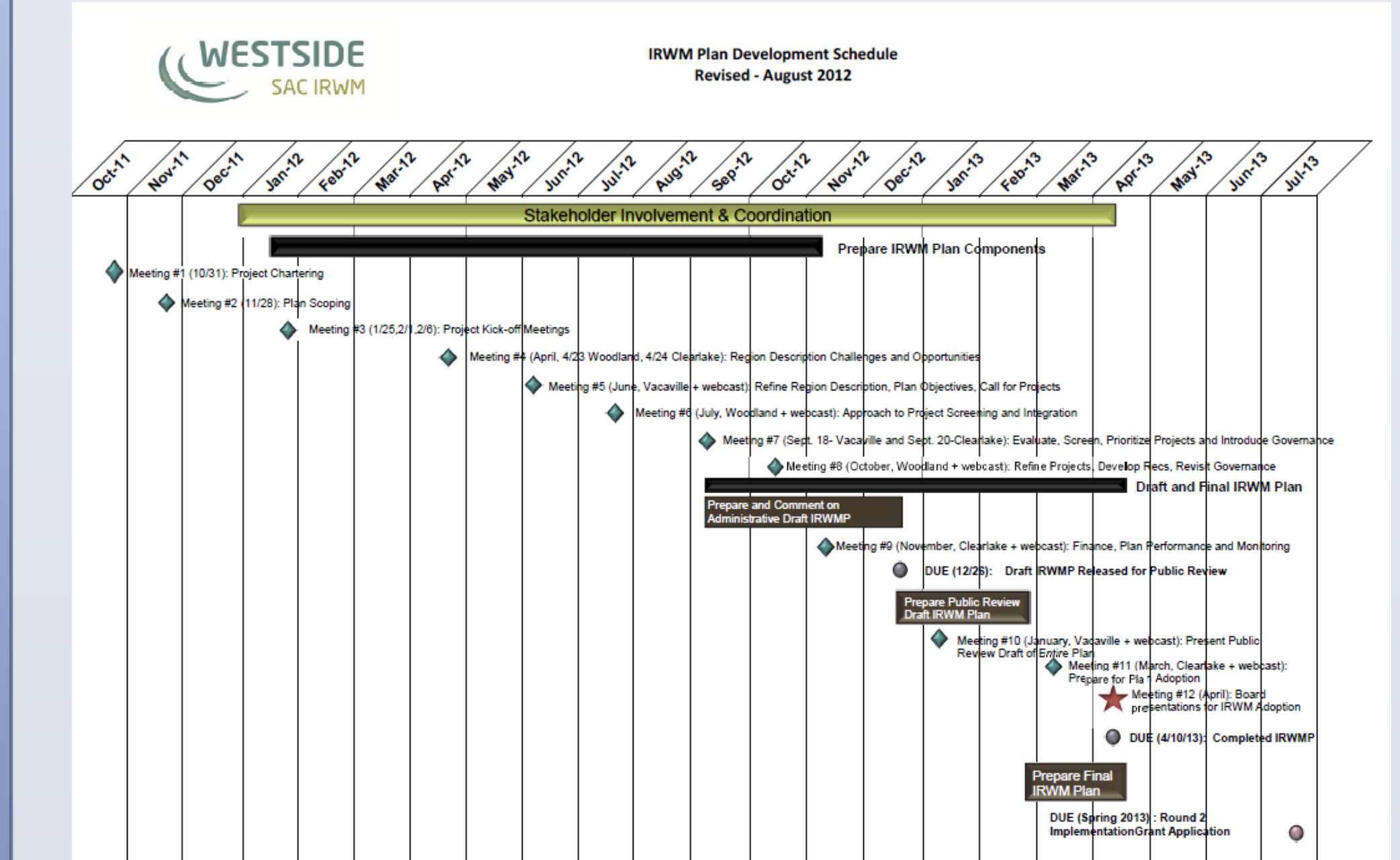
The Westside Sacramento Integrated Regional Water Management Plan is funded by a \$1 million Proposition 84 Planning Grant from DWR.



The Westside IRWM Plan is being developed by:

- Lake County Watershed Protection District
- Napa County Flood Control & Water Conservation District
- Solano County Water Agency
- Water Resources Association of Yolo County & its 11 member agencies
- Colusa County Resource Conservation District

Implementation Schedule



Participate in Meeting #7!

Vacaville - September 18, 2012
2 PM - 5 PM
Vacaville Public Library - Town Sq.
1 Town Square Place, Vacaville

Clearlake - September 20, 2012
2 PM - 5 PM
Clearlake City Council Chambers
14050 Olympic Drive, Clearlake

September Meeting Agenda

The Westside team received more than 130 project ideas submitted by 27 groups in response to the Call for Projects. Meeting #7 will be the first opportunity to begin the project review, screening and prioritization process.

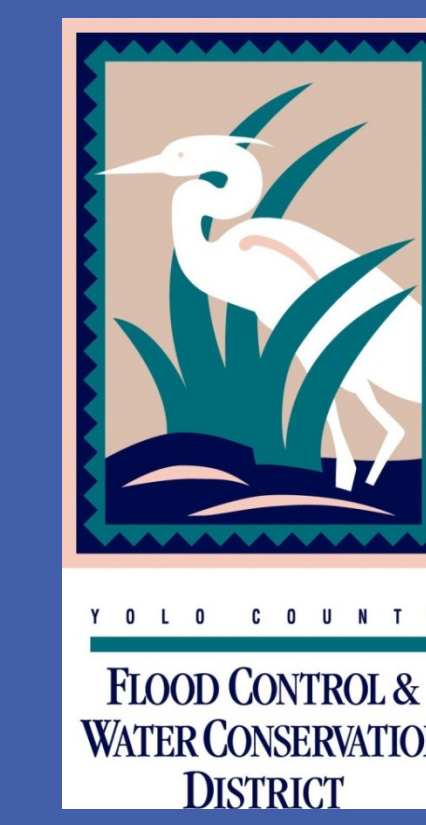
- September meeting discussion items include:
- Latest Goals & Objectives
 - Discussion of the Project Summary List
 - Begin Prioritization & Screening Process
 - Introduce Governance
 - Review Water Budget
 - Review Latest Draft IRWMP Plan Sections (Sections 1 through 5)

The information presented at both locations will be identical. Please attend the meeting that best fits your schedule.

For more information:
Website: www.westsideirwm.com
Email: info@westsideirwm.com
Call: (530) 661-8115



Yolo County IRWMP Foundational Action Groundwater and Surface Water Monitoring Program Yolo County Flood Control & Water Conservation District



An old well used for monitoring groundwater

PARTNERING AGENCIES

- Yolo County Flood Control & Water Conservation District
- City of Davis
- City of Woodland
- City of West Sacramento
- City of Winters
- University of California Davis
- Yolo County
- Dunnigan Water District
- Reclamation District 2035
- Reclamation District 108
- Yolo County Gravel Producers

PROGRAM BUDGET

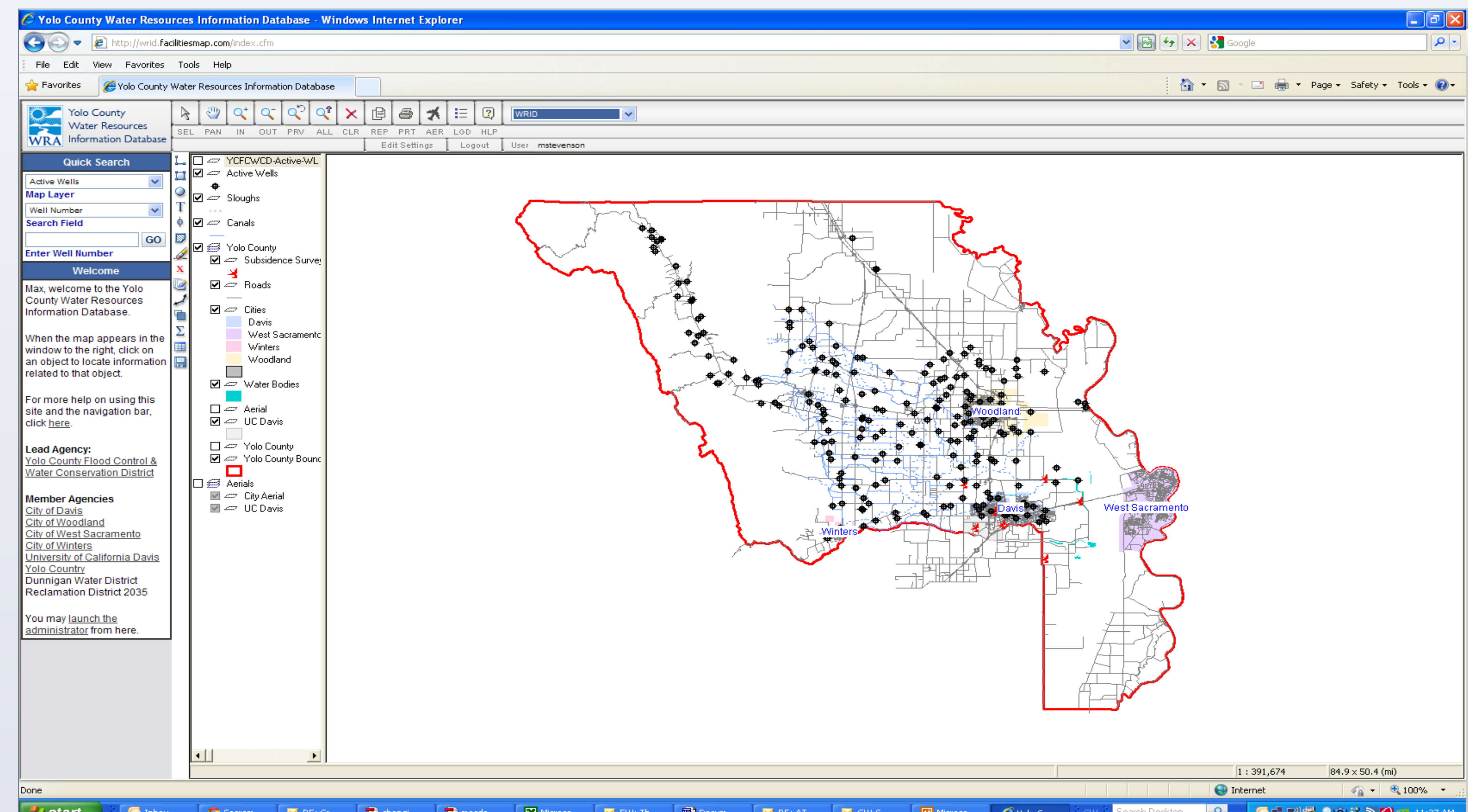
Phase 1. Previously Collected Surface Water Data : Database Integration
FY 2011-2012 \$35,000

Phase 2. Currently Collected Data: On-line Input and Analysis of surface water data. Website construction
FY 2012-2013 \$35,000

Cost Share
Annual Contributions to Groundwater Database by WRA
Participating Member Agencies: \$89,000

PROJECT DESCRIPTION

The project will adapt the WRA's Groundwater database to accept surface water quality data. The starting surface water quality data will be from the Cache Creek Resources Management Plan, which has 11 years of water quality data from Cache Creek. Other sources of surface water quality data will be added as needed.



Shown above is the web interface for the Water Resources Information Databases (WRID). The black dots show monitoring wells. For this new project, surface water locations will be added to this database.



Water Resources Summer Intern at work



Monitoring activities in Cache Creek

PROGRAM BENEFITS

The data in the current groundwater database is used by dozens of local projects every year. The inclusion of new surface water quality data will make this data available to others, and provide a centralized, secure, and supported data management solution for foundational surface water quality data.

PROGRAM BENEFIT to YOLO COUNTY IRWMP

The collection and storage of water quality data is a Foundational Action in the Yolo County IRWMP of 2007. Foundational actions are projects or programs that form a foundation for resource management. They include planned or existing ongoing studies, modeling projects, or monitoring programs used to collect, simulate, or predict information relevant to resource management.

MAP OF PROJECT AREA

This map shows the sampling locations on Cache Creek. The data collected at these locations is used for regulatory compliance for any construction activity on or near the Creek. These data are also used for planning water supply and environmental management purposes.

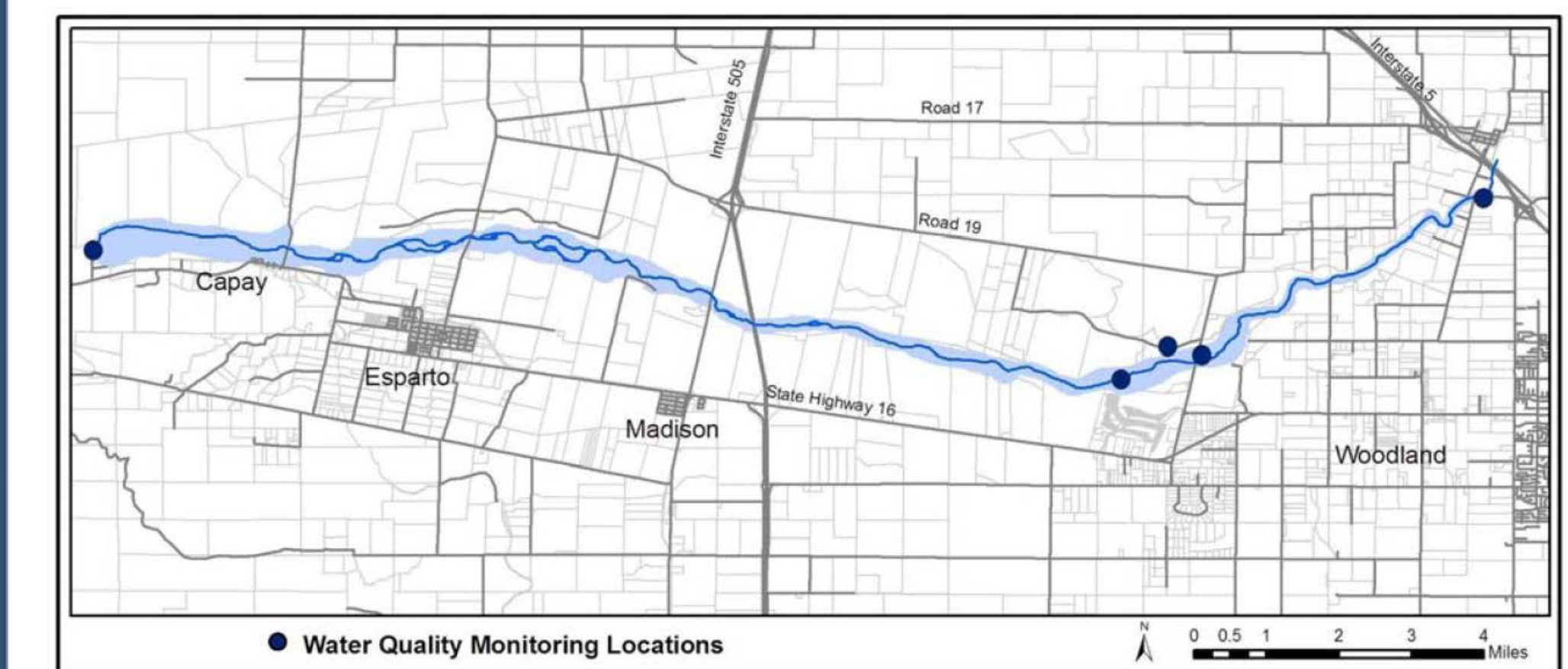


FIGURE 3-4: Water Quality monitoring locations.

FUNDING SOURCES

Direct funds for the surface water quality component of this project are from the WRA Project Fund budget. The cost share for the base WRID maintenance and database management comes from special contributions from WRA member agencies. These contributions support coordinated groundwater monitoring activities in Yolo County.

PROJECT STATUS/ NEXT STEPS

This project is in progress.
Phase 1 will be completed by December 2012.
Phase 2 will be completed by June 2013.
WebSoft Developers in Davis, CA, is the main consultant for the work.

LEAD AGENCY CONTACT INFORMATION

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Yolo County Flood Control and Water Conservation District
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530-662-0265
mstevenson@ycfcwcd.org



Existing Intake Structure, Built in 1920



PARTNERING AGENCIES

- Reclamation District 2035 (RD 2035)
- Woodland-Davis Clean Water Agency (WDCWA)
- CALFED (Ecosystem Restoration Program (State))
- Anadromous Fish Screen Restoration Program (Federal)

PROJECT BUDGET

\$29 Million - Construction Cost Estimate for Combined Diversion
\$36 Million - Total Cost to Complete Project

FUNDING SOURCES

- Anadromous Fish Screen Restoration Program (Federal)
- CALFED (Ecosystem Restoration Program (State))
- Reclamation District 2035 (Local)
- Woodland-Davis Clean Water Agency (Local)
- Water Resources Association of Yolo County (Local)

PROJECT DESCRIPTION

For nearly 90 years Reclamation District 2035 has diverted water from the Sacramento River through the existing intake structure. The diversion is one of the largest remaining unscreened intakes on the Sacramento River north of the Sacramento / San Joaquin Delta, with a capacity of 400 cubic feet per second (cfs). The intake has no safeguards to prevent the entrapment of migrating fish, several species of which are listed for protection under the Endangered Species Act. The new diversion structure, with protective fish screens, is required to prevent entrainment of the fish.



Fish Screens and Mechanical Cleaner



Proposed Intake Structure

PROJECT SCHEDULE

Fiscal Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Feasibility Study	█																
Preliminary Design			█														
Final Design				█	█												
CEQA/NEPA					█	█	█	█	█	█							
Value Engineering					█	█											
Conceptual Design Update								█	█	█							
Final Design Update											█	█	█				
Permits											█	█	█				
Construction														█	█	█	█

PROJECT BENEFITS

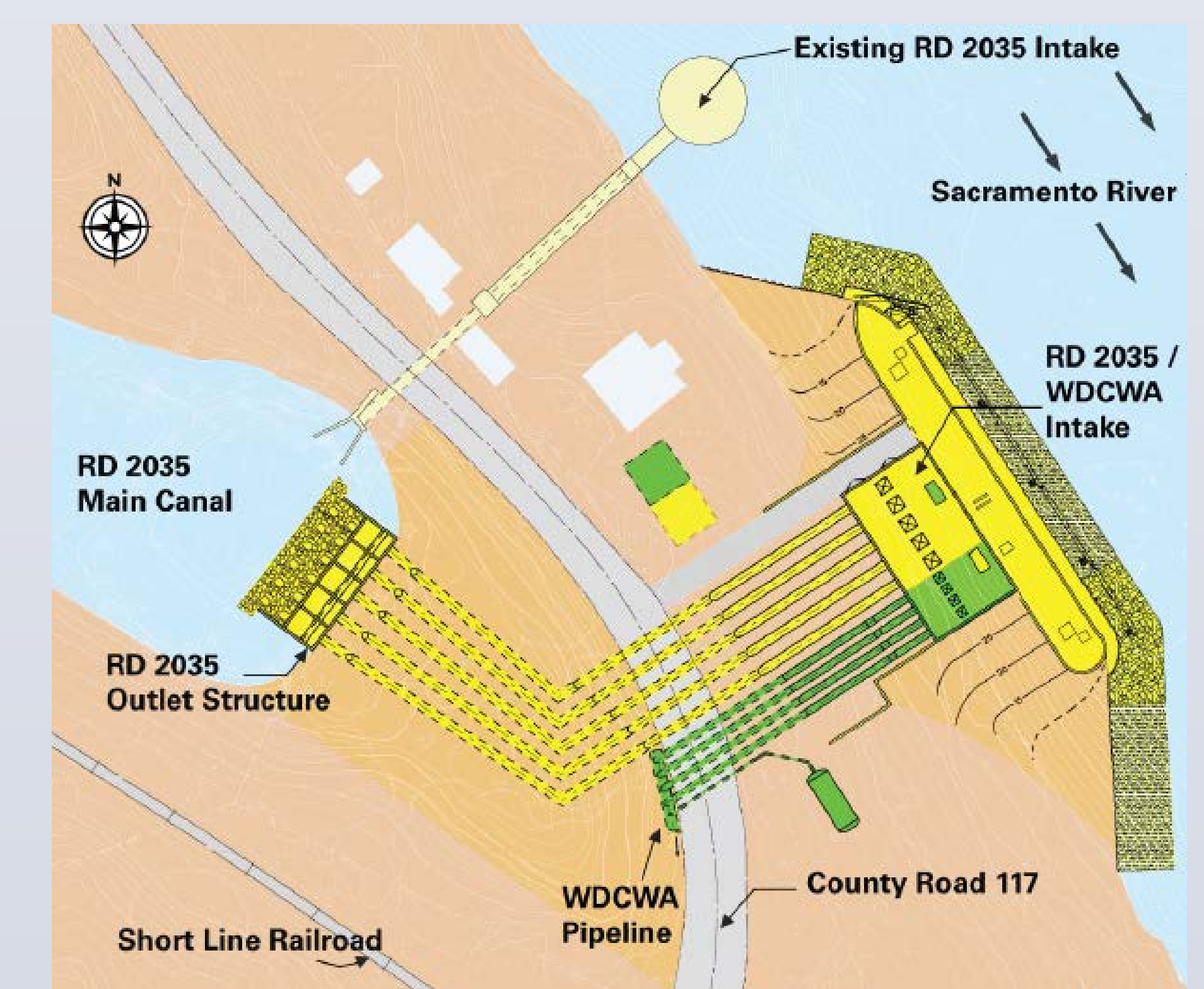
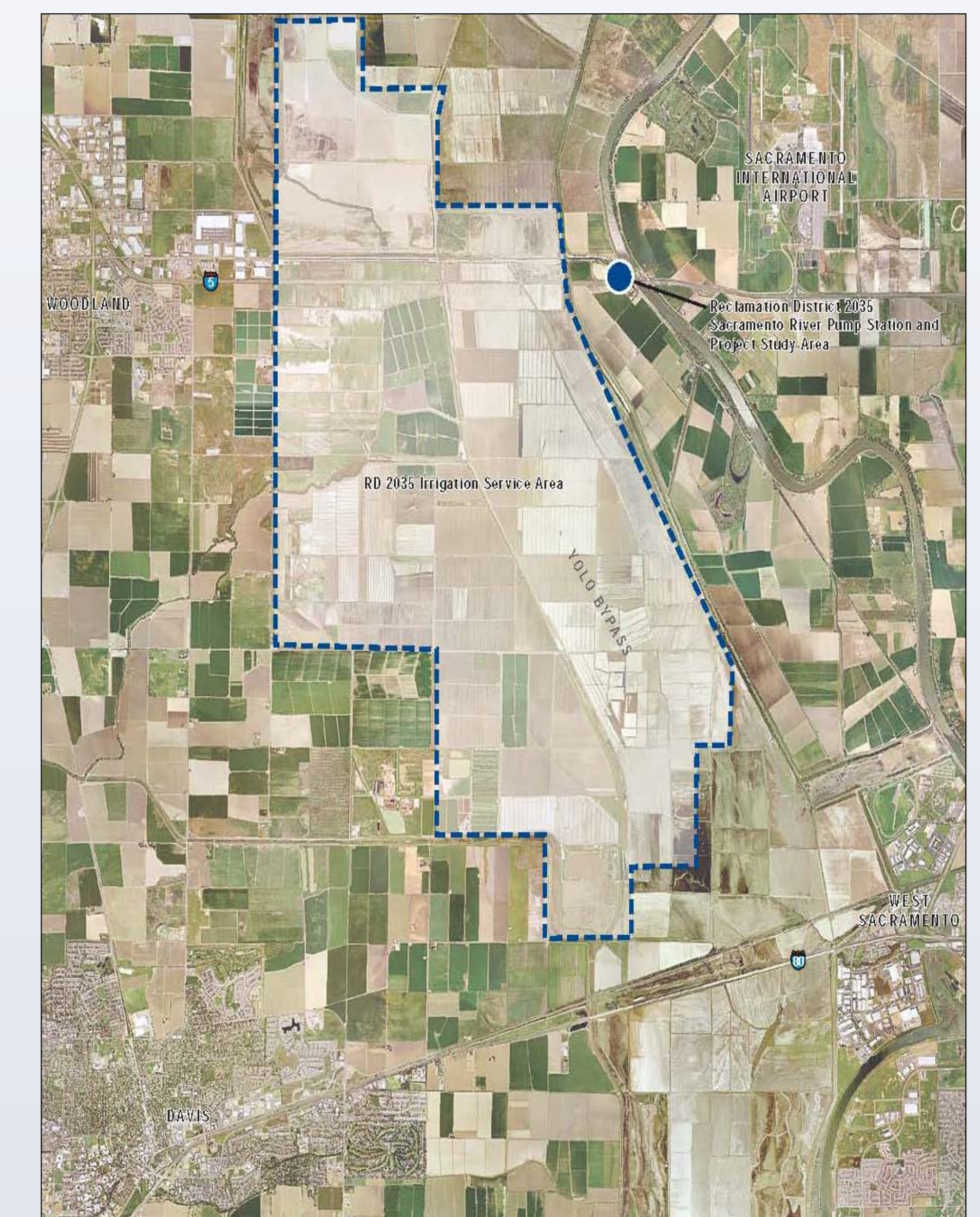
Benefits of a new diversion structure with protective fish screen has multiple benefits to the region:

- Improves water supply reliability for the region
- Meets current NOAA Fisheries criteria for fish screen design
- Vital to improve protection of juvenile Chinook Salmon, Steelhead Trout, and Green Sturgeon
- Modified RD 2035 diversion quantity to 320 cfs to allow 80 cfs to be utilized for the WDCWA, maintaining 400 cfs historical capacity of this intake diversion structure
- The intake project will generate over 425 jobs while protecting existing jobs in agriculture and related industries

PROJECT BENEFIT TO YOLO COUNTY IRWMP

A combined diversion facility for both RD 2035 and WDCWA are recommended for implementation in the 2007 Yolo County IRWMP. The proposed dual-purpose intake would provide environmental and water quality benefits, improve water supply reliability in the region, and is consistent with the ecosystem restoration goals of the CALFED Bay-Delta Program.

MAP OF PROJECT AREA



PROJECT RESPONSIBILITY

The intake structure is a critical part of the entire Woodland Davis Water Supply Project. RD 2035 in partnership with WDCWA will assume responsibility for all operational and maintenance costs associated with the facility after construction.

CONTACT INFORMATION

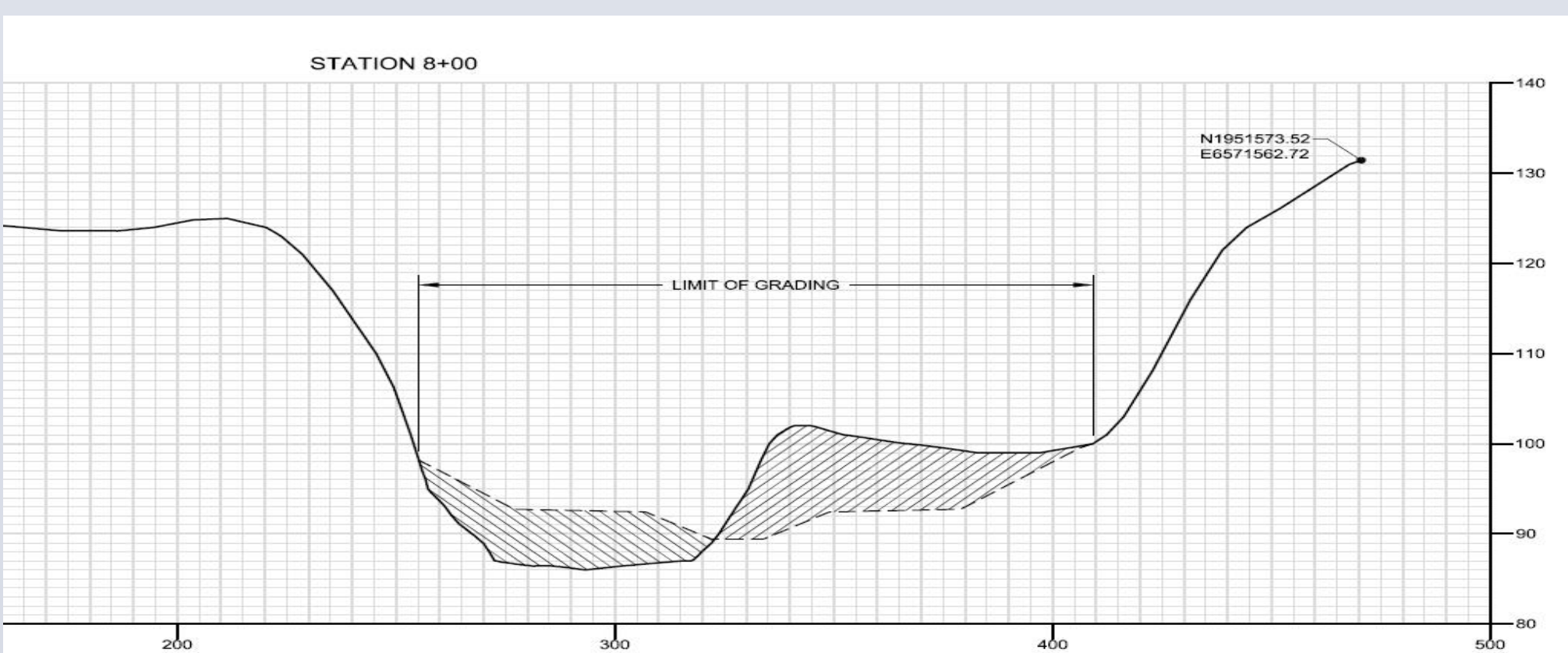
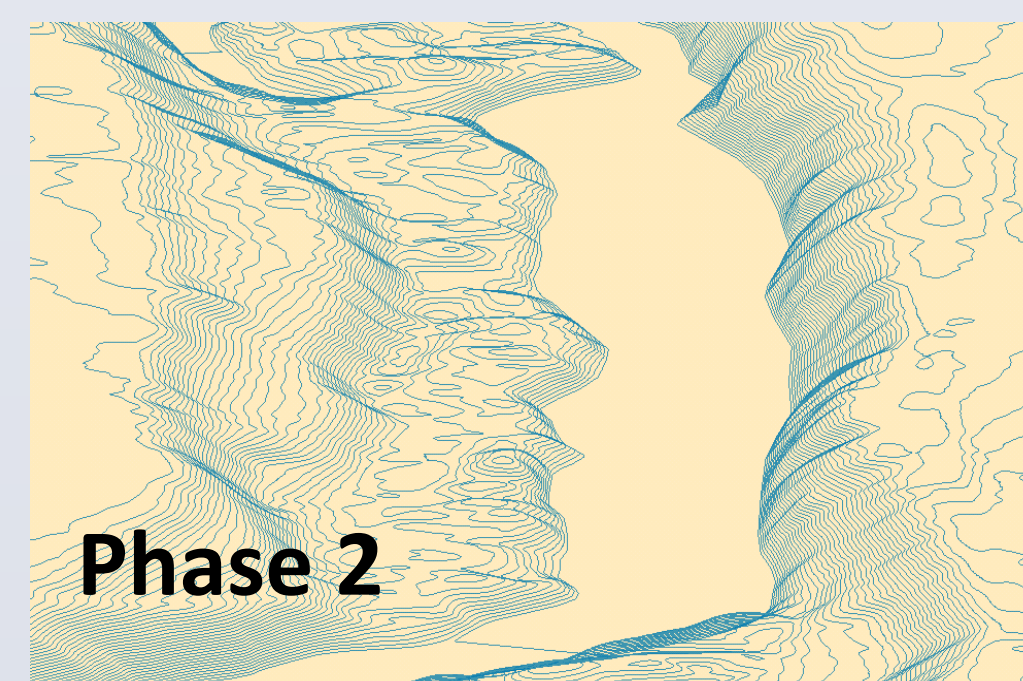
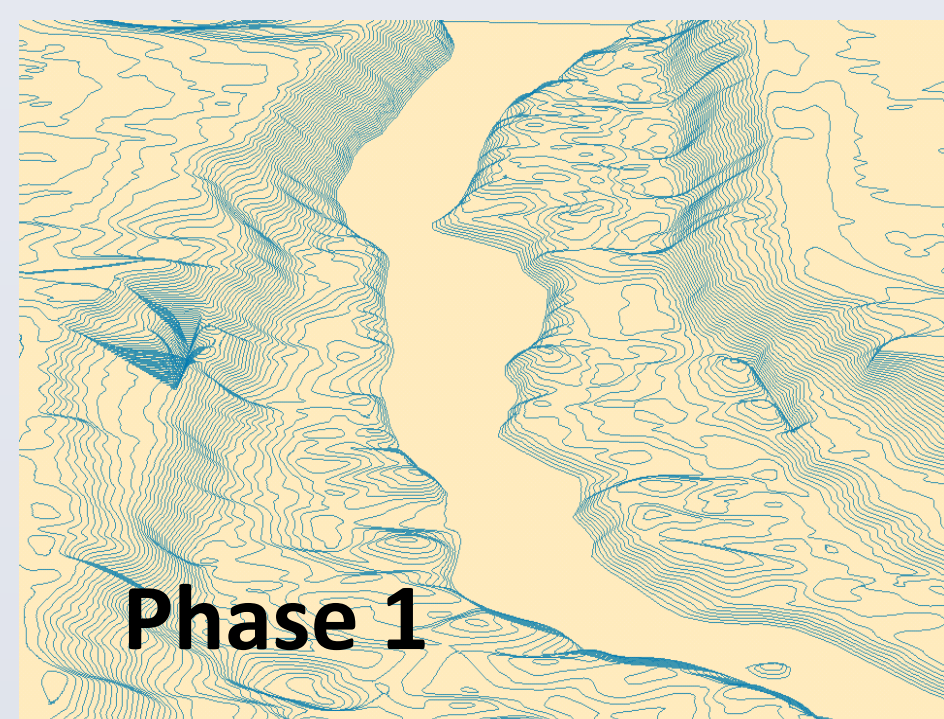
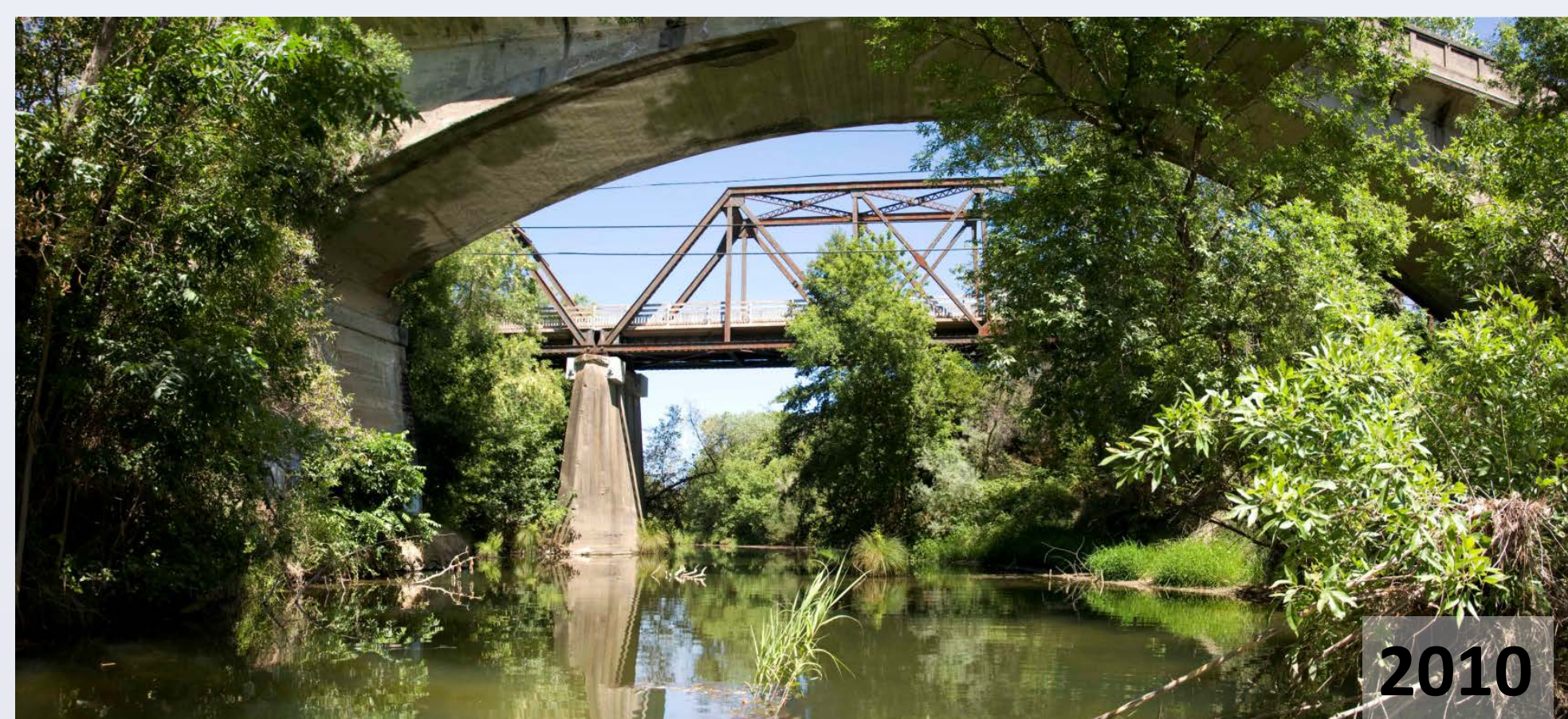
- | | |
|---|--|
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Yolo County IRWMP

Winters Putah Creek Park Restoration

Lower Putah Creek Coordinating Committee



PROGRAM BUDGET

Phase 1	\$1,687,000
Phase 2	\$1,048,000
Phase 3 (future)	\$1,262,640
Total	\$3,997,640

FUNDING SOURCES

Grant funds:	\$2,735,000
Future funding need:	\$1,262,640

PROJECT DESCRIPTION

The Winters Putah Creek Park floodplain restoration and channel realignment project is restoring natural channel form and function to one mile of channel. At the center of the project is a 5 acre staging area that was previously (circa 1962) used for sewage aeration ponds and the upstream and downstream reaches were extensively mined for gravels. Prior to realignment, the channel was overly wide, straight and deep, with warming water resulting from excess exposure to solar radiation; excessive cross sectional area; leading to imperceptible flow velocities and long residence time in pools. The project restored natural meander plan form, natural pool-riffle-run sequence and accessible floodplains.



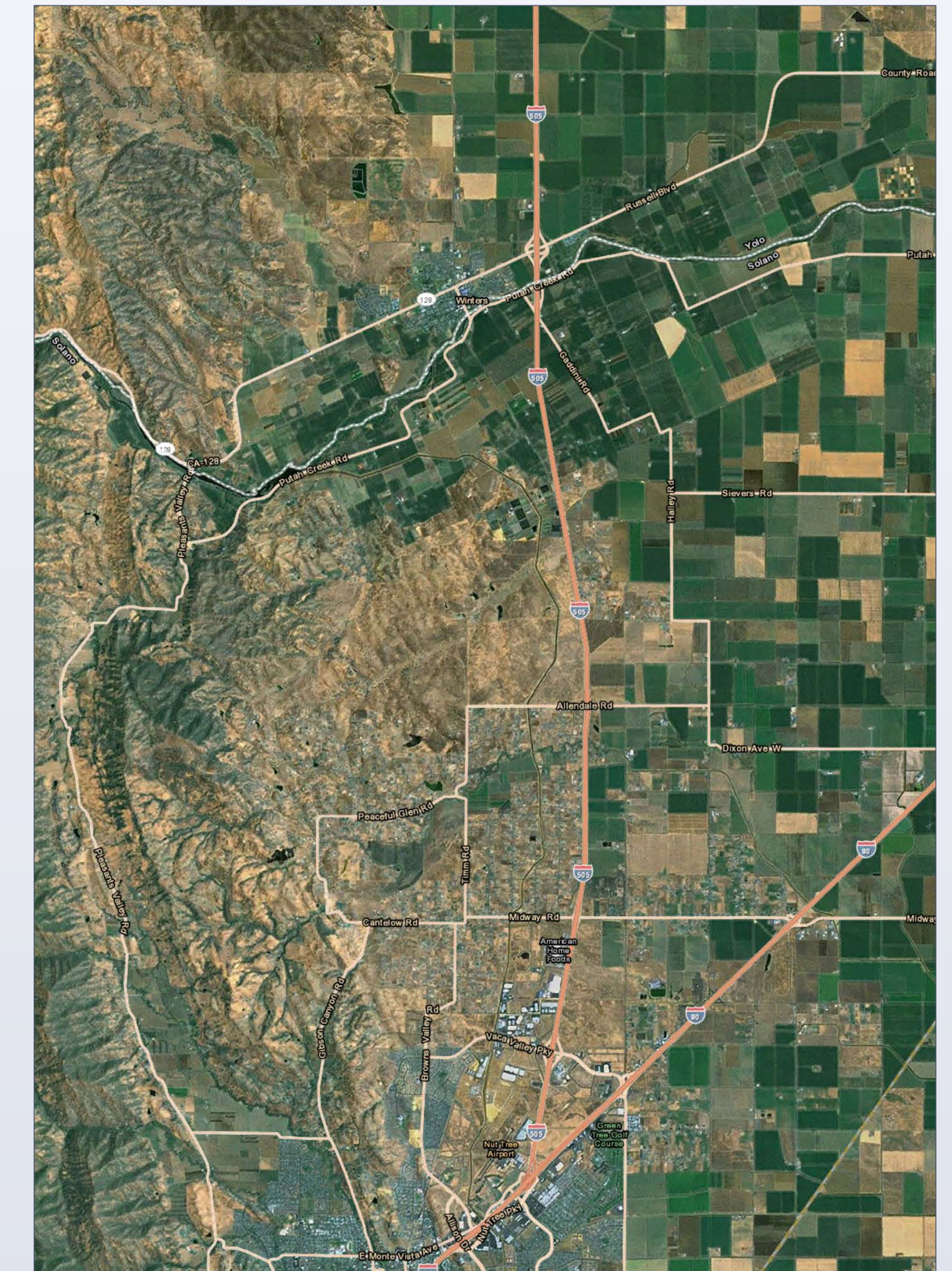
PROGRAM BENEFITS

The channel of Putah Creek at Winters Putah Creek Park was out of natural form having been manipulated for gravel extraction, sewage processing and water impoundment; and was overrun with invasive weeds including eucalyptus, arundo, tree-of-heaven and himalayan blackberry. Access to the creek was limited to a few narrow trails, illegal dumping was rampant and there were occasional homeless encampments. Restoring natural form to the channel is the foundation of ecological function: restoring competency to mobilize gravel for spawning habitat, reconnecting the channel to its inset floodplain; restoring natural recruitment of native vegetation, lowering water temperature, restoring pool-riffle-run sequence. We are seeing early responses including a Swainson's hawk nest producing two fledglings and high productivity of other nesting birds.

PROGRAM BENEFIT to YOLO COUNTY IRWMP

Restoring natural channel form and function to Winters Putah Creek Park has converted one of the most degraded reaches into one of the best habitats for fish and wildlife on Putah Creek. The restored reaches are continuously accessible to the public on both sides of the channel, and are being enjoyed by people of all ages. The project is a highly visible and accessible example of natural channel form. Similar projects are needed at several other locations along Putah Creek, especially other sites that were mined for gravel or channelized for maximum flood conveyance.

MAP OF PROJECT AREA



PARTNERING AGENCIES

- California River Parkway Program
- California Watershed Program
- Solano County Water Agency
- Putah Creek Council
- City of Winters

PROJECT STATUS/ NEXT STEPS

An application to the California River Parkway Program for Phase 3 funding (realignment through the staging area) is in review with a decision expected by October 2012. If approved, construction could begin as early as 2013.

CONTACT INFORMATION FOR LEAD AGENCY

Rich Marovich, Streamkeeper
 Lower Putah Creek Coordinating Committee
<http://www.watershedportals.org/lpccc>
 (530) 902-1794
rmarovich@scwa2.com



West Sacramento Levee Improvement Program

The Rivers, CHP Academy and Southport Sacramento River Early Implementation Projects



West Sacramento Area Flood Control Agency



PROJECT DESCRIPTION

The Rivers Early Implementation Project

- 3,000 feet of levee improvements along Sacramento River North Levee
- 6,000 feet of paved trails
- Deepest ever seepage cutoff wall constructed in the State of California, descending 135 feet from the working platform elevation

CHP Academy Early Implementation Project

- 6,300 feet of levee improvements along the Sacramento Bypass levee

Southport Sacramento River Early Implementation Project

- Currently in design; slated to improve an almost six mile levee stretch in Southport, the city's most vulnerable area to flooding

Improvements to correct seepage, stability and other deficiencies to meet the state's 200-year urban flood protection standards.

PARTNERING AGENCIES

- California Department of Water Resources
- Central Valley Flood Protection Board
- U.S. Army Corps of Engineers

PROJECT BUDGET

PROJECT NAME	PROJECT BUDGET
The Rivers EIP	\$27,754,310
CHP Academy EIP	\$15,769,710
Southport Sacramento River EIP	\$156,059,000 (est.)

FUNDING SOURCES

THE RIVERS AND CHP ACADEMY EIPs

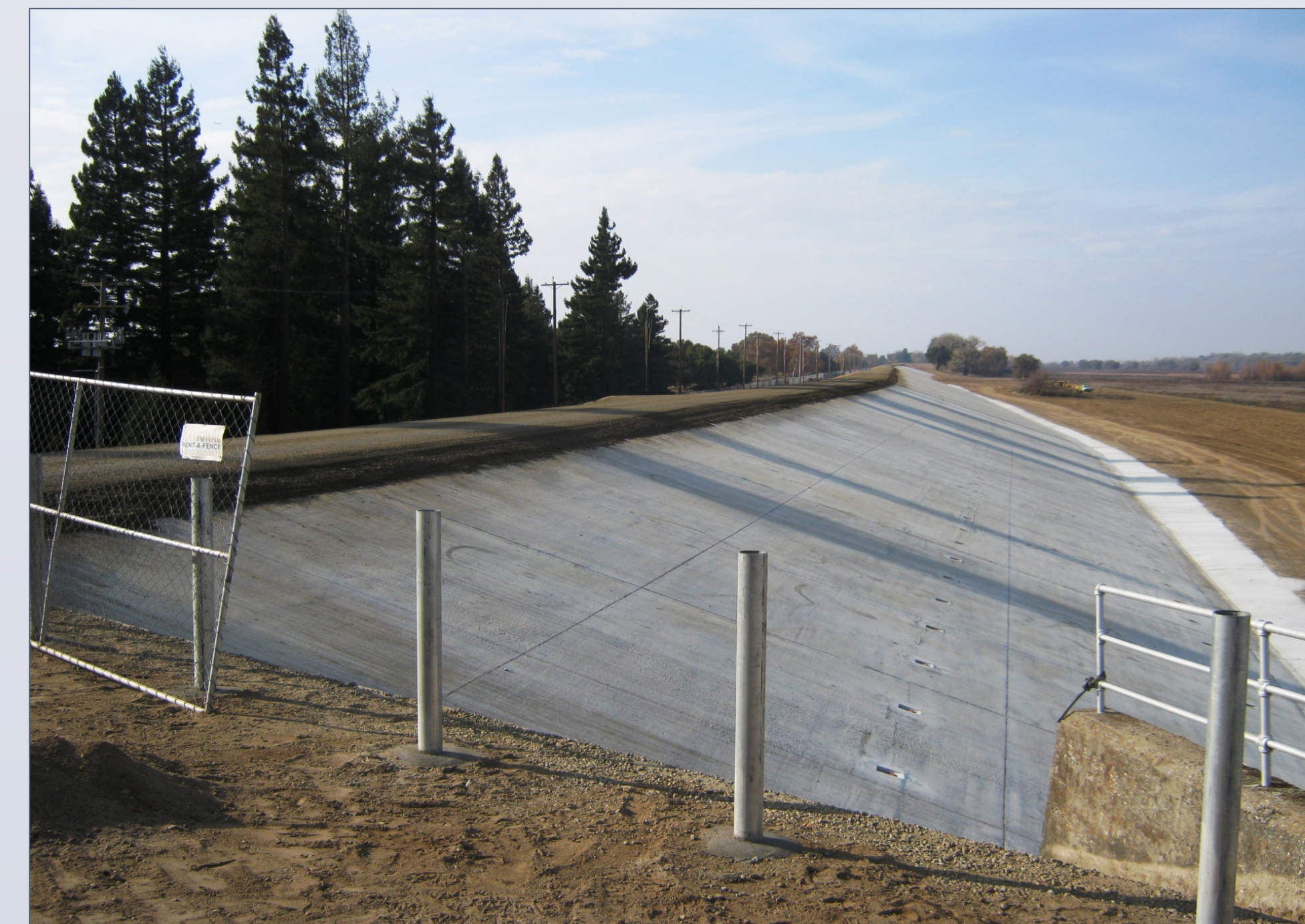
- 90 percent state funding - Proposition 1E and Proposition 84 bond acts;
- 10 percent local funding - Voter approved funding measures

State Grant funds (The Rivers EIP) - \$24, 978,879
 Local agency contributions (The Rivers EIP) - \$2,775,431
 State Grant funds (CHP Academy EIP) - \$14,192,739
 Local agency contributions (CHP Academy EIP) - \$1,576, 971

SOUTHPORT SACRAMENTO RIVER EIP

- 70 percent state funding - Proposition 1E and Proposition 84 bond acts;
- 30 percent local funding - Voter approved funding measures

State Grant funds - \$109,241,300 (est.)
 Local agency contributions - \$46,817,700 (est.)
 Future funding need: \$134.4 million (est.)



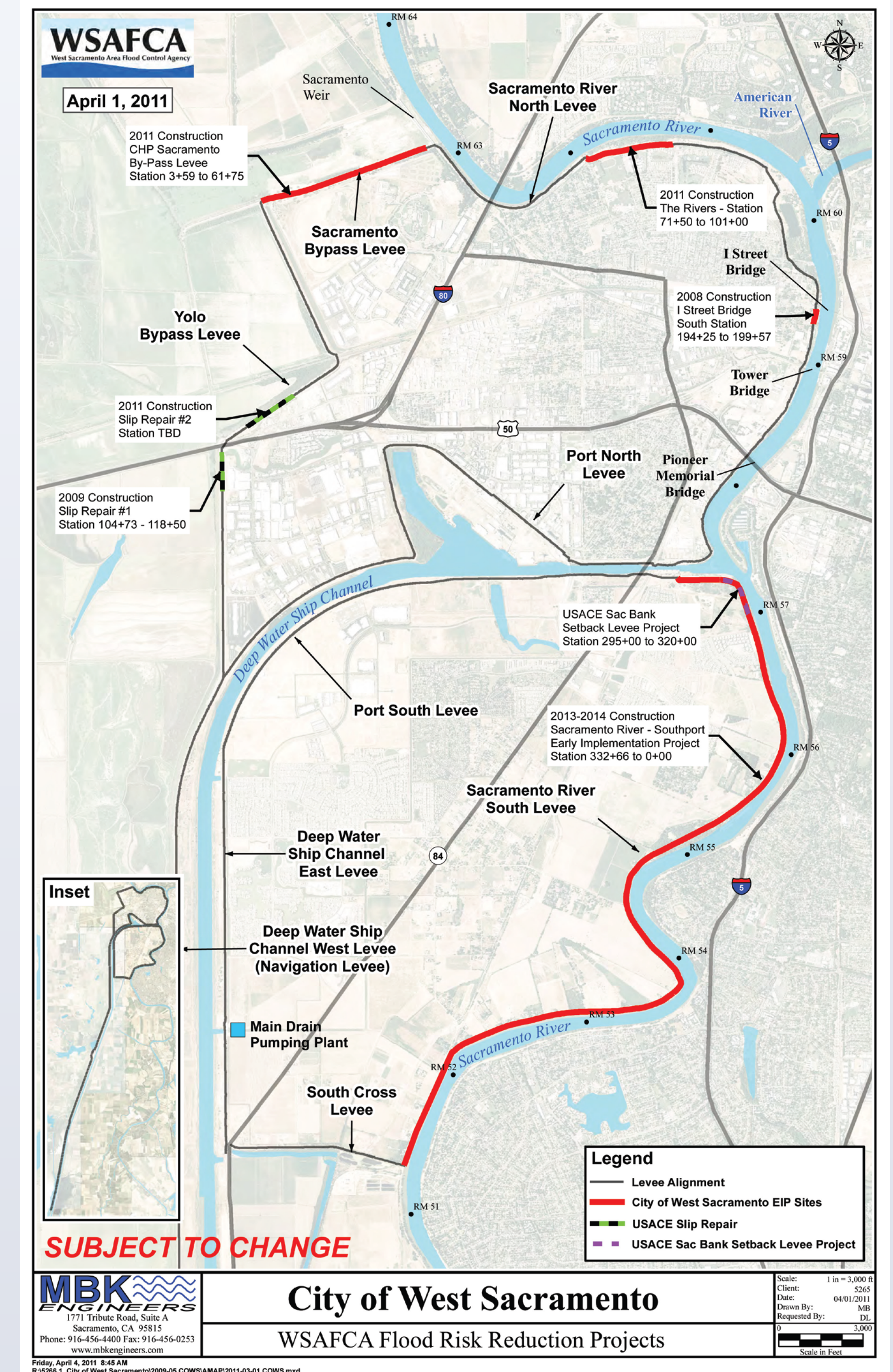
PROGRAM BENEFITS

- 200-year level flood protection for two of the City of West Sacramento's most vulnerable levees.
- The Rivers and CHP Academy EIPs represent \$27 million in improvements protecting 47,000 people and 13,000 acres of property valued at \$4.2 billion.
- The Rivers EIP created Bryte Nature Trail, including 6,000 feet of fully accessible, paved recreation pathways.

PROGRAM BENEFIT to YOLO COUNTY IRWMP

- Recent levee improvements protect regional infrastructure: Union Pacific main railroad line, Port of West Sacramento, Highway 50, Interstate 80, CHP Academy, Port of West Sacramento, Regional DWR flood fighting facility, natural gas transmission pipelines and storage facilities and other critical infrastructure.
- Collaboration with local, state and federal partners to secure West Sacramento's levees to provide local and systemwide flood protection improvements and enhancement of Sacramento River riparian habitat.

MAP OF PROJECT AREA



PROJECT STATUS/NEXT STEPS

- The Rivers and CHP Academy EIP levee improvement projects construction complete
- Current work at The Rivers and CHP Academy EIP sites focused on riparian mitigation and tree plantings
- Southport Sacramento River EIP currently advancing to 65 percent design.
- Final project alternative for the Southport Sacramento River EIP will be selected when final EIS/EIR is certified in mid 2013.

LEAD AGENCY CONTACT INFORMATION

Dave Shpak, Flood Protection Manager
 Kenric Jameson, Flood Protection Construction Manager
 Lindsey Simoncic, Flood Protection Public Information Coordinator,
 Crocker & Crocker

City of West Sacramento/WSAFCA
www.cityofwestsacramento.org/city/flood
 (916) 617-4850



Yolo County IRWMP

Yolo Bypass Integrated Project

Yolo Basin Foundation



YEAR END SUMMARY

Yolo Bypass Integrated Project FY 2011-2012
Year End Summary

Yolo Basin Foundation staff members participated in the following Yolo Bypass related planning and research efforts:

- Delta Conservancy Strategic Plan and Policy Subcommittee
- Yolo Bypass Fish Enhancement Planning Team (BDCP)
- Central Valley Joint Venture Waterfowl Work Group
- Yolo Bypass Waterfowl Study Advisory Group
- Yolo Bypass Agriculture Impacts Analysis Advisory Group
- Yolo Bypass MIKE 21 model review
- Yolo Bypass Working Group
- Yolo Bypass Wildlife Area Methyl Mercury Grant
- Sacramento Yolo Mosquito and Vector Control Aquatic Habitat Group
- Central Valley Flood Protection Plan
- Central Valley Flood Protection Plan Regional Implementation Group for Yolo and Solano County
- Delta Projects Coalition
- Lower Putah Creek Restoration from Toe Drain to Putah Diversion Dam, Ecosystem Restoration Grant
- Westside Integrated Regional Water Management Plan



PROGRAM BUDGET

Task Description/Budget:

Task 1: Yolo Bypass Working Group and Subcommittee Meetings - \$5,000

Task 2: Coordinate YBIP Activities with Yolo IRWMP Technical Advisory Committee and Yolo Count - \$5,000

Task 3: Coordinate YBIP activities with Delta Conservancy, Delta Stewardship Council, Central Valley Flood Management Plan, BDCP and others - \$10,000

TOTAL PROJECT COST \$20,000

WRA Project Fund: \$20,000

PROJECT DESCRIPTION

The scope of the Yolo Bypass Integrated Action includes the following:

- Establish and refine priorities for the Yolo Bypass Integrated Action Work Plan to maximize progress on the IRWMP implementation effort.
- Position Bypass-specific activities to maximize funding opportunities for established work plan priorities/actions in coordination with the WRA.
- Maintain communications with the WRA on work progress and difficulties that arise in relation to action implementation.
- Foster collaboration with Delta entities that are involved in the Bay Delta Conservation Plan, Delta Plan (Delta Stewardship Council), Central Valley Flood Protection Plan (DWR), Coalition for Delta Projects (Planning and Conservation League) and others on actions that will affect Yolo Bypass Stakeholders and the YBIP.



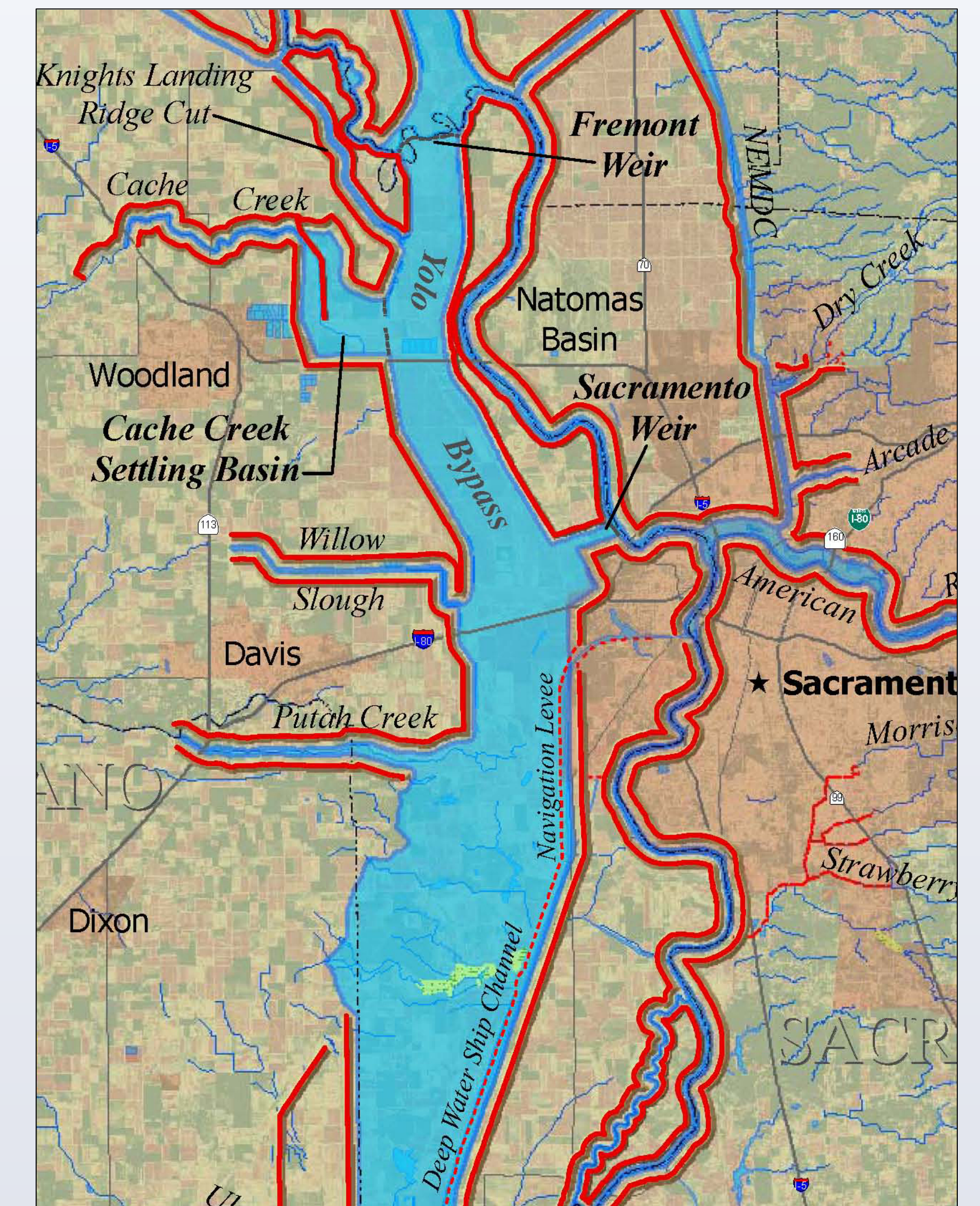
PROGRAM BENEFITS

Yolo Basin Foundation serves as a liaison between Yolo Bypass stakeholders and the larger Delta Community to encourage communication and positive solutions for changing land use needs.

PROGRAM BENEFIT to YOLO COUNTY IRWMP

The program facilitates information sharing and thus raises awareness of Yolo County IRWMP projects.

MAP OF PROJECT AREA



Yolo Bypass
(section of Sacramento River Flood Control System map by MBK Associates)

PROJECT STATUS/ NEXT STEPS

For Fiscal Year 2012-2012 Yolo Basin Foundation staff will continue to participate in the efforts described here.



Development of tidal wetlands at south end of Yolo Bypass Wildlife Area

CONTACT INFORMATION FOR LEAD AGENCY

Contact person: Robin Kulakow
Organization: Yolo Basin Foundation
Website: yolobasin.org
530-756-7248
robin@yolobasin.org



Yolo County IRWMP

Cache Creek Invasive Weed Management Plan

Yolo County Resource Conservation District



Cache Creek Watershed at Rumsey
Yolo RCD



Tamarisk along Cache Creek in the Capay Valley
Yolo RCD

PARTNERING AGENCIES

- Yolo County
- Lake County
- East & West Lake RCD's
- Colusa RCD
- UC Davis McLaughlin Reserve
- California Invasive Plant Council
- WRA of Yolo County
- Cache Creek Conservancy
- NRCS
- US Forest Service
- Yolo County Flood Control and Water Conservation District
- Bureau of Land Management
- Sierra Club

PROGRAM BUDGET

Project Management and Coordination	\$12,712
Inventory and Map Existing Invasive Weeds	\$4,418
Develop a Consensus on Priority Species	\$4,136
Develop a Monitoring and Reporting System	\$1,504
Assess Environmental Compliance Issues	\$2,956
Identify Future Funding Needs	\$2,072
Administration	\$4,170
Contingency	\$3,197
Grand Total	\$35,164

FUNDING SOURCES

\$35,165	WRA Project Fund
\$5,000	Match, County of Yolo Resources Division

PROJECT DESCRIPTION

With the Yolo RCD taking the lead, the Cache Creek Watershed Forum (CCWF) developed a plan which provides a watershed-wide approach to assess, treat, and monitor priority non-native invasive plant species. The plan outlines a comprehensive strategy to:

- Inventory and map existing invasive species and control efforts
- Develop a consensus on priority species, strategies, and actions between land managers and agencies
- Develop a coordinated identification, monitoring, and reporting system

CalWeedMapper INVASIVE SPECIES MANAGEMENT OPPORTUNITIES IN Cache Creek River Watershed

This report summarizes invasive plant management opportunities in Cache Creek River Watershed. Opportunities are determined from maps of each species' current distribution and suitable range. Species are listed by three types of management opportunity:

- Surveillance** – surveying to detect new infestations
- Eradication** – complete removal of infestations
- Containment** – limiting further spread of infestations

Below is a sample of opportunities in Cache Creek River Watershed. This information should be combined with local knowledge to set local priorities (see "Using the Report" at the end of this document.) Click on a plant's name below to view a map of that species.

Opportunities: These are some opportunities in Cache Creek River Watershed. Tables on proceeding pages of this report contain a complete list of invasive plant management opportunities.

Surveillance:

- Alligator weed
- Delphinium elatum
- Giant salvinia
- Lithospermum sp. gorse
- Silver wattle

Eradication:

- Centaurea maculosa
- Water hyacinth
- Arctotheca calendula
- Asparagus asparagoides
- London rocket

Containment:

- Barb grass
- Arundo donax
- Saharan mustard
- Red brome
- Downy brome

CalWeedMapper REGIONAL SPECIES MAP REPORT: CACHE CREEK RIVER WATERSHED Saccharum ravennae (ravennagrass)

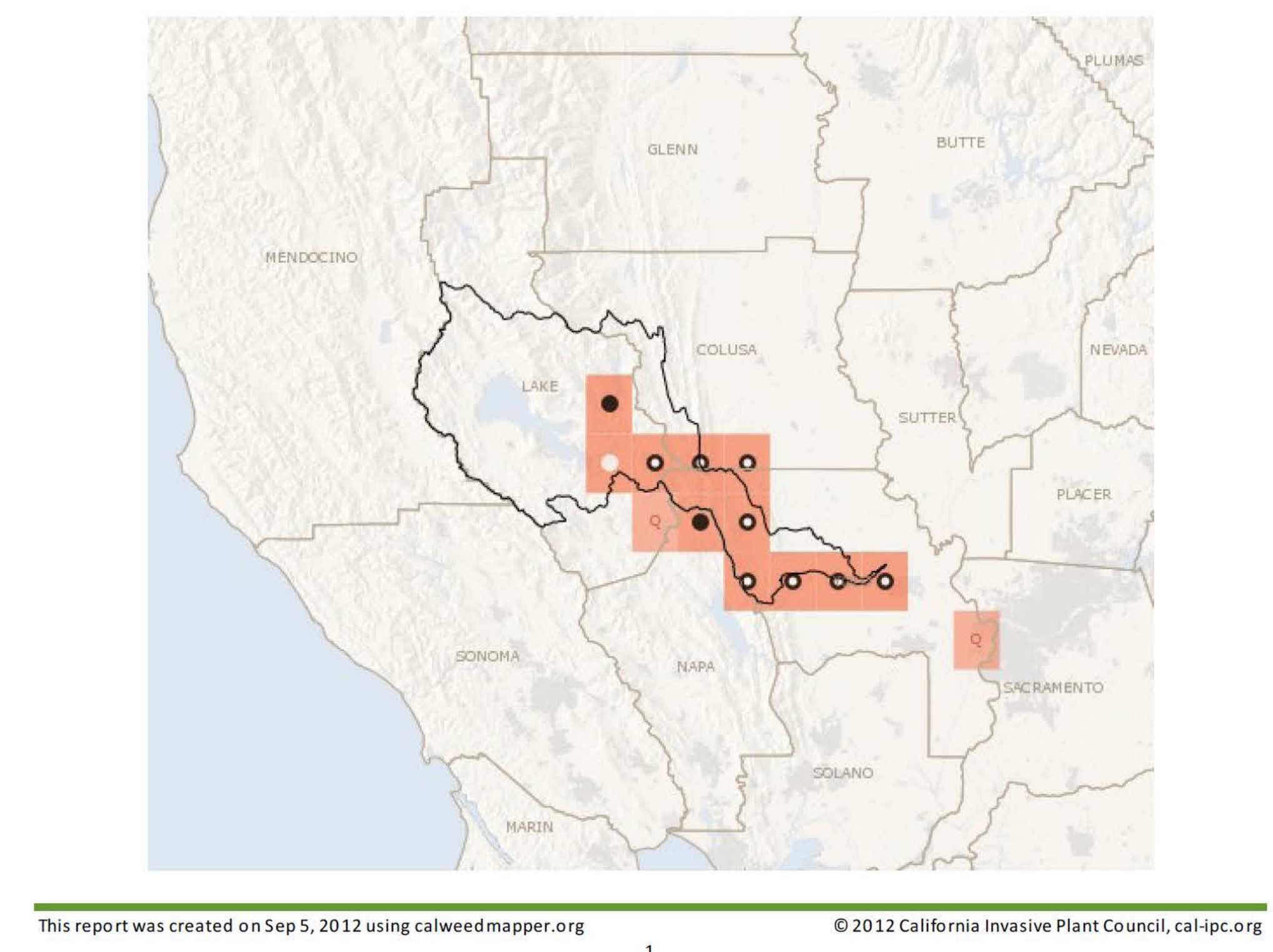
Cal-IPC Rating: Mod-Alert
Other ratings: Buy Area (BAEDN) priority target

Species Description: *Saccharum ravennae* (ravennagrass) is a large perennial grass (family Poaceae) found in the Sonoran Desert and Sacramento Valley of California. It is also found in a number of other states throughout the country. Ravennagrass is sold in the nursery trade as a hardier alternative to pampas grass, since it can grow in cooler climates. Ravennagrass grows in moist places such as marshes and riparian areas, establishing itself easily in disturbed areas. It is spreading rapidly along Cache Creek in the Sacramento Valley.

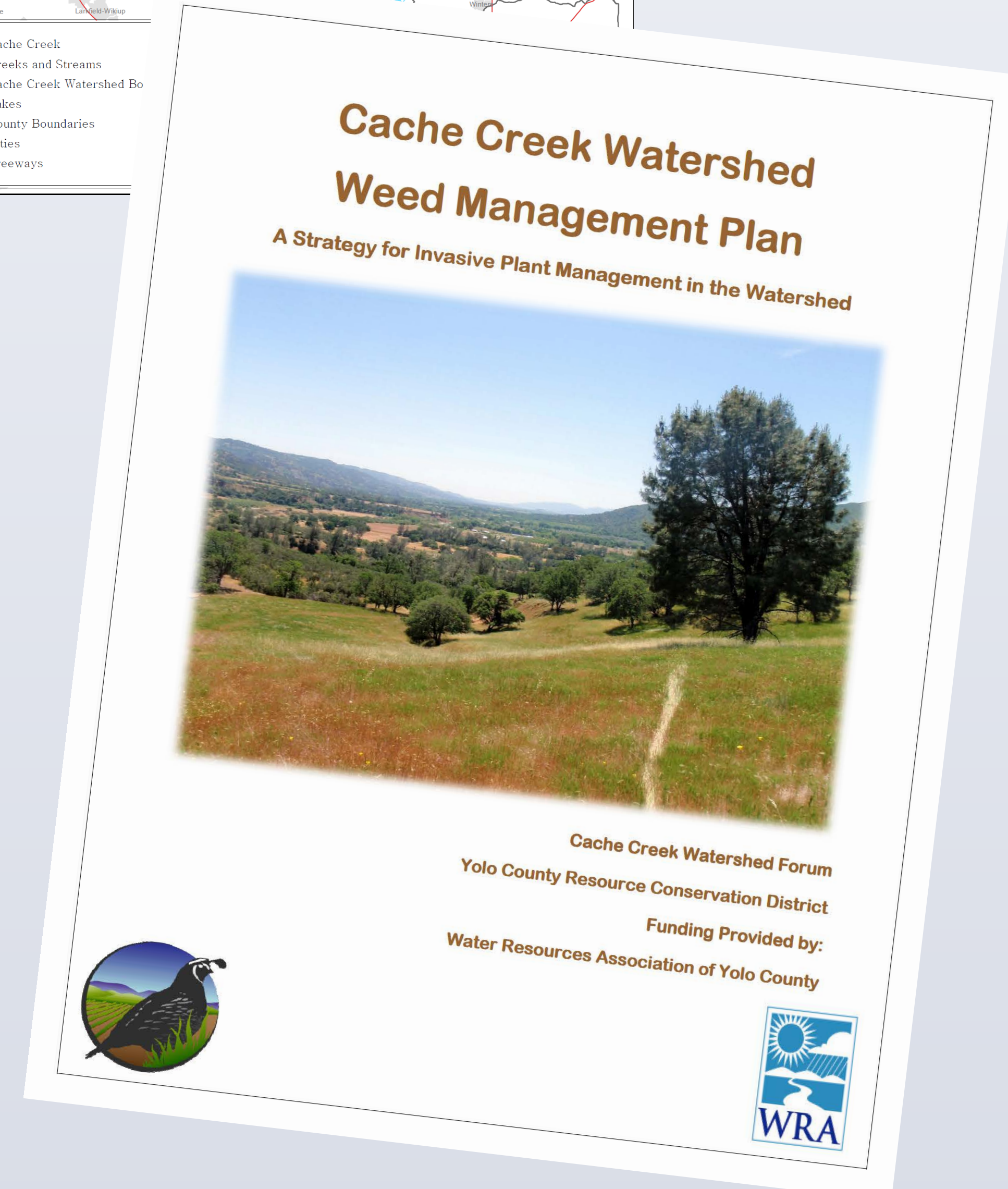
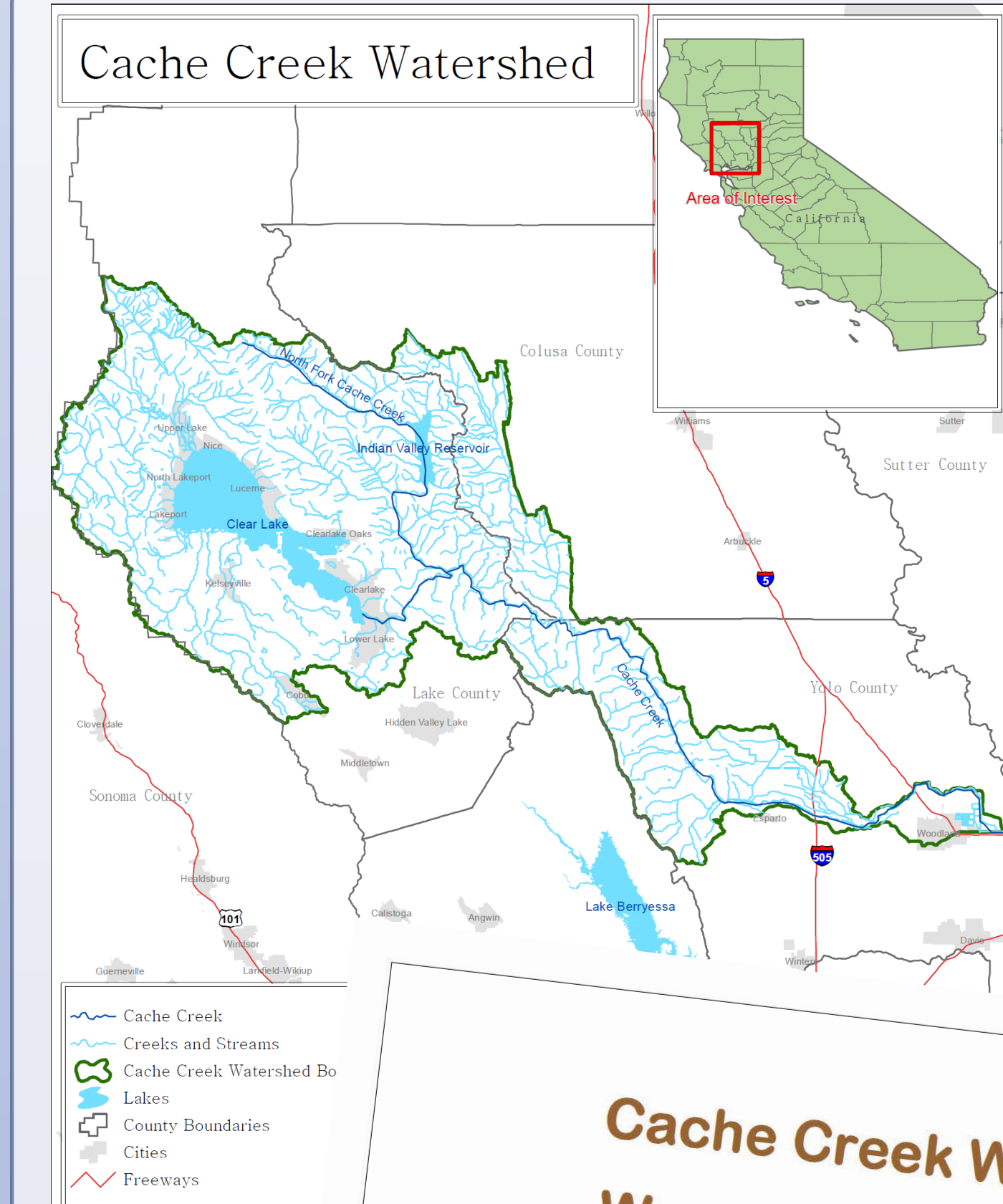
Additional information: See Cal-IPC's [Plant Profiles](#) or California's [Taxon Report](#).

Abundance: low, medium, high
Trend: Spreading, Managed, spreading, Managed, decreasing, Eradicated
Verification Needed: Verify Quad, Verify Species

Abundance and trend by USGS 7.5-minute quadrangle. See ? on Maps for additional information on map legend.



MAP OF PROJECT AREA



This report offers a starting place for establishing priorities and goals at the regional level. It includes a table of all invasive plants that present opportunities for surveillance, eradication, or containment in the Watershed.

Ravennagrass is an eradication target in the watershed. Priority actions for eradication targets include:

- Mapping specific occurrences
- Scoping costs and acquiring funding for control work.

PROGRAM BENEFITS

This project provided an opportunity for the development of a strategy that allows for increased coordination and a more unified approach than had previously been practiced to invasive plant management in the Cache Creek Watershed. The Plan provides a solid platform from which land managers can launch projects and secure funding to carry out on-the-ground actions that work towards achieving the following goals:

- Goal 1: Protect water quality and quantity
- Goal 2: Protect California Rangelands
- Goal 3: Protect agricultural lands
- Goal 4: Enhance native biodiversity
- Goal 5: Enhance recreation activities

PROGRAM BENEFITS TO YOLO COUNTY IRWMP

The first listing under the Integrated Actions Master List for the Yolo County Integrated Regional Water Management Plan (IRWMP) is the "Cache Creek Exotic and Invasive Species Removal Project, status ongoing." This documents that the planning and implementation of weed management in the Cache Creek watershed is an IRWMP priority and that significant work needs to continue into the future.

PROJECT STATUS/ NEXT STEPS

The RCD and Cache Creek Watershed Forum applied for funding through the National Fish and Wildlife Foundation's Pulling Together Initiative to begin work on the priorities and goals of the Weed Management Plan. The full proposal is currently under review following a successful pre-proposal.

The next step is to encourage land managers in the watershed to utilize the Weed Management Plan in preparing for and carrying out weed management actions in their area of the watershed.

Electronic copies of the Plan are available on the WRA and RCD websites or hard copies by contacting the Project Manager (below).

CONTACT INFORMATION

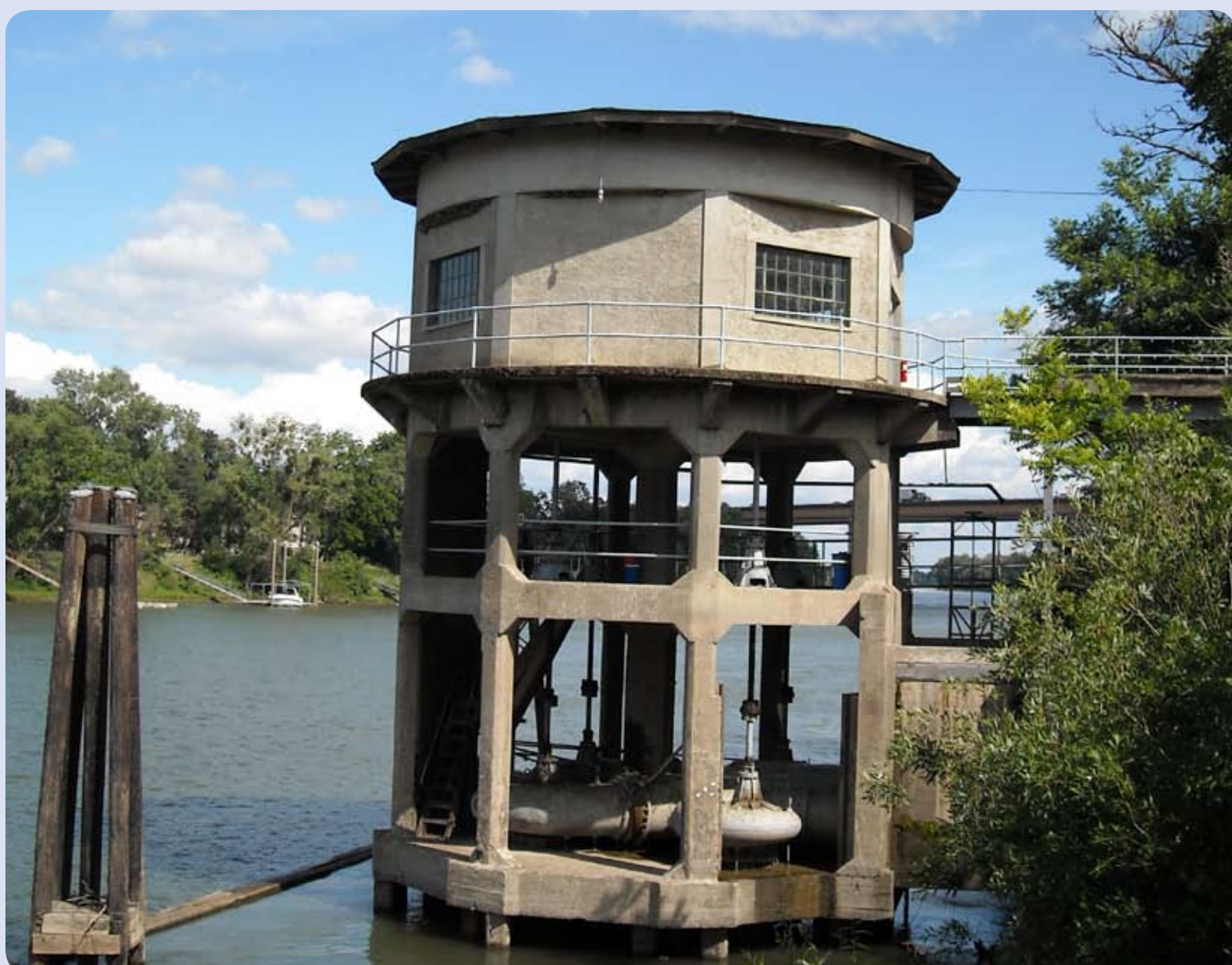
Jeanette Wrynski (Executive Director) or
Gillies Robertson (Project Manager)
Yolo County Resource Conservation District (RCD)
www.yolorcd.org
530-661-1688

Yolo County IRWMP

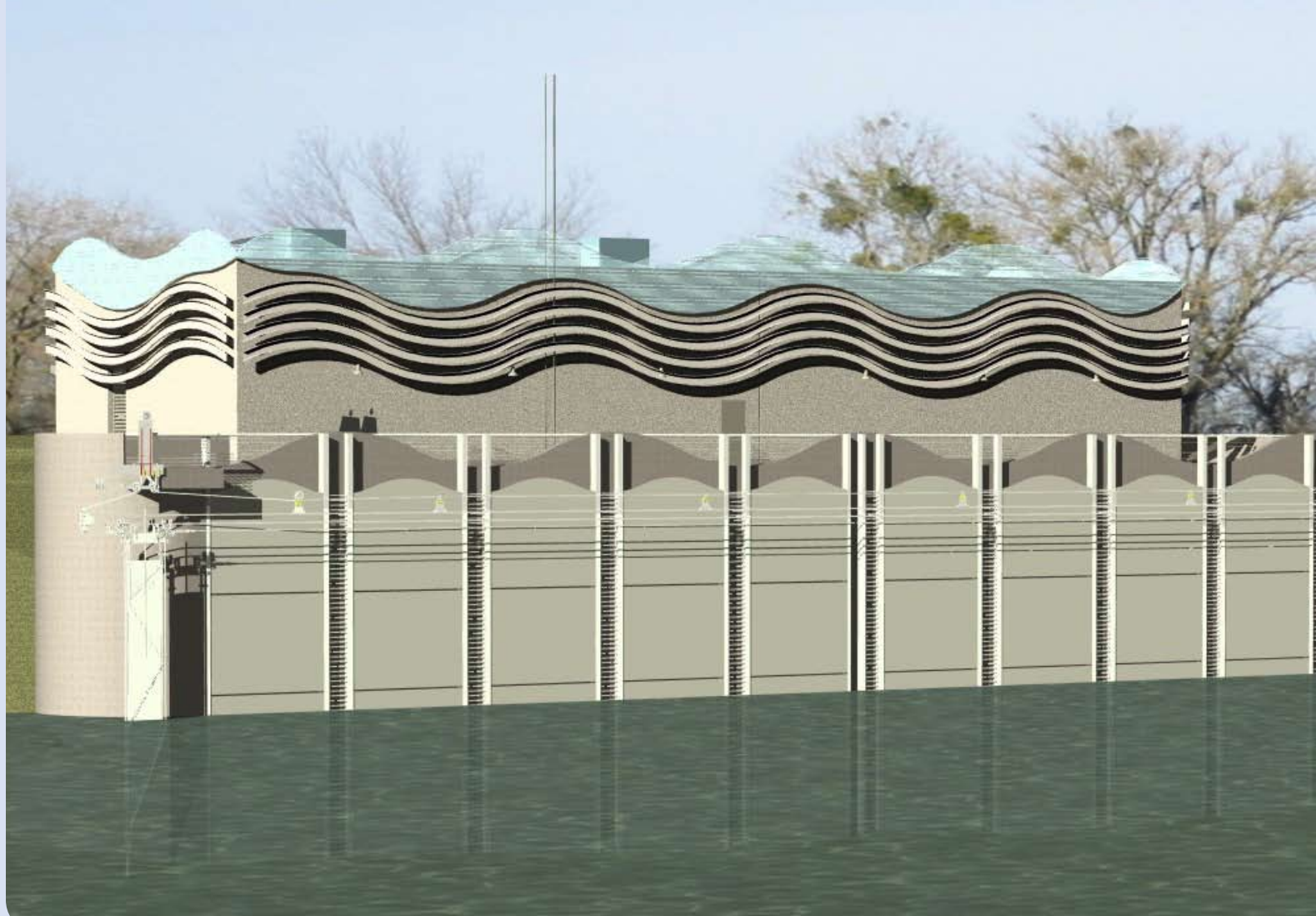
Regional Surface Water Project



Existing Intake Structure - Built in 1920



Joint Intake Facility - Proposed Design



PARTNERING AGENCIES



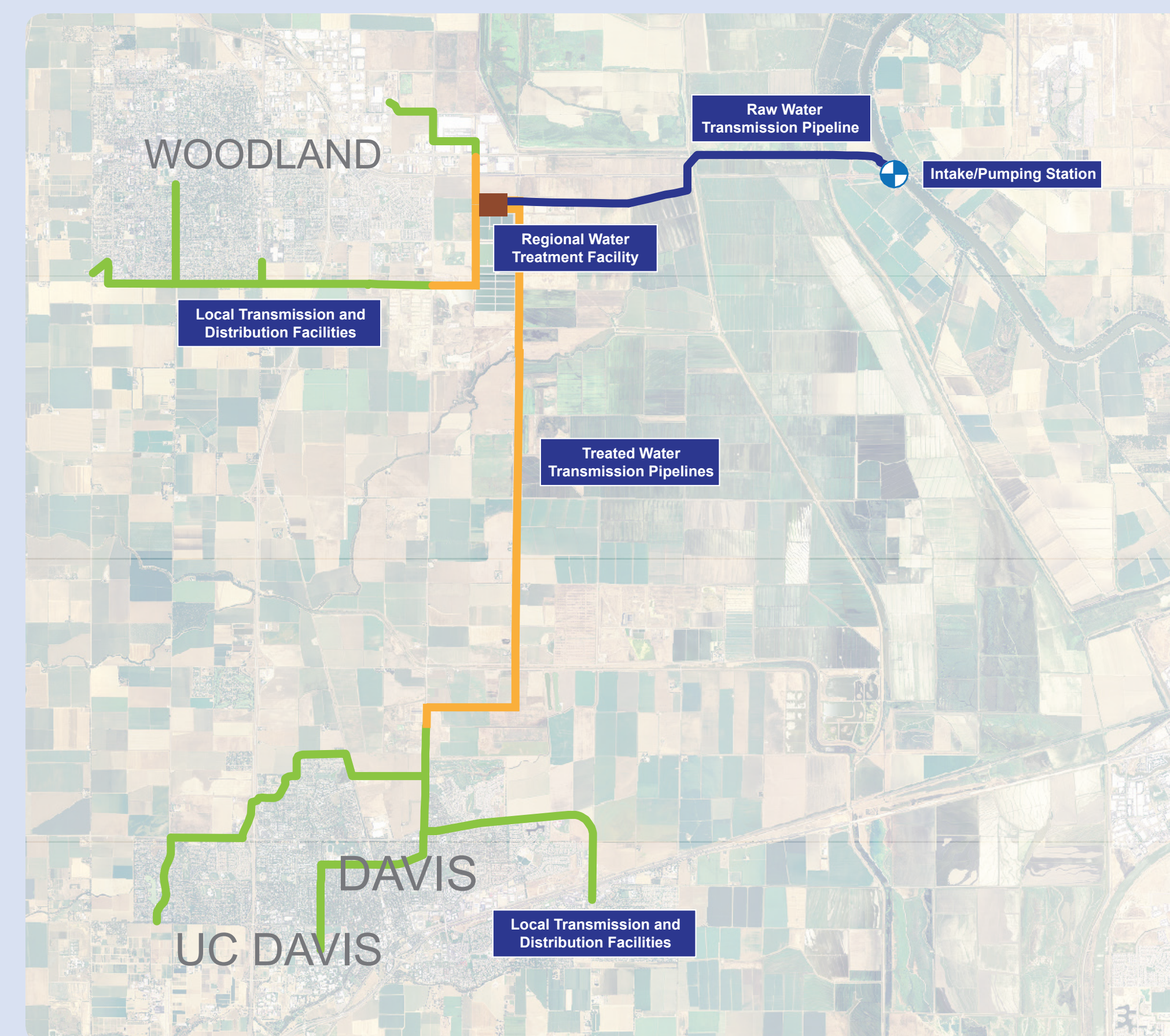
PROJECT DESCRIPTION

The Woodland-Davis Clean Water Agency's (WDCWA) regional surface water supply project will significantly improve drinking water, ensure water supplies are dependable, and help the Cities of Woodland and Davis comply with stricter water and wastewater regulations. The project will divert water from the Sacramento River. A water right was granted in early 2011. Groundwater will supplement surface water during summer months to help meet peak water demands.

The regional project includes four major parts:

- Water intake (pumping) structure on the Sacramento River, in partnership with Reclamation District 2035
- Pipeline from the intake structure to the water treatment facility
- Regional water treatment facility
- Pipelines from the water treatment facility to Woodland and Davis

In addition, major repairs and updates to existing local water systems are a significant part of the project.



PROJECT DESCRIPTION

The project is largely driven by the need to meet increasingly strict regulations for drinking water quality and wastewater discharge. Project benefits include:

- Provides a new water supply to meet existing and future needs
- Improves drinking water quality
- Improves the quality of treated wastewater
- Reduces environmental impacts associated with separate projects for each city, and for Reclamation District 2035

PROJECT TIMELINE

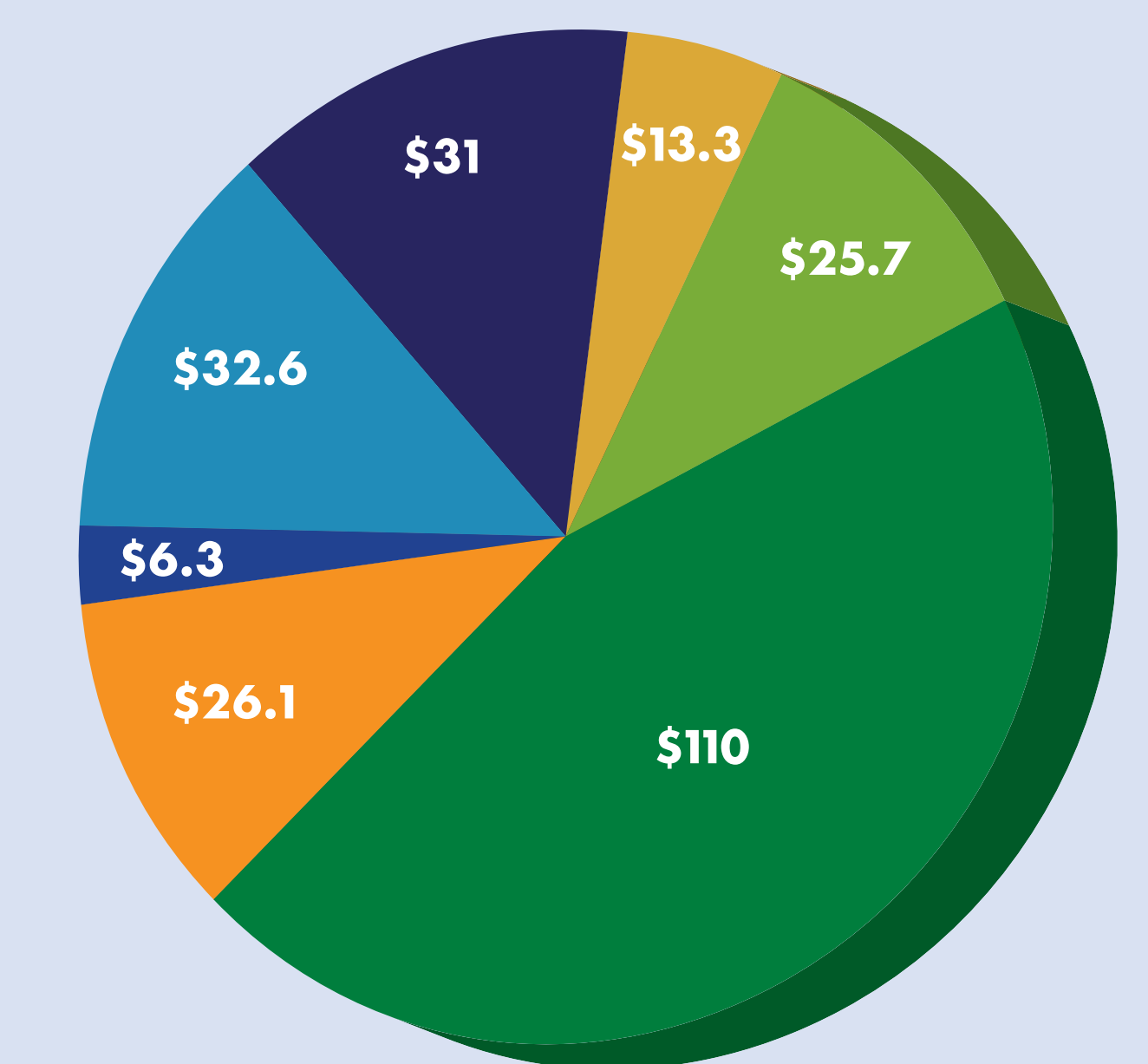
A Design-Build-Operate contractor is expected to be under contract by September 2013. Construction is slated for 2014-2016, and the facilities should be fully operational in 2016. An Environmental Impact Report, a requirement for construction and reflecting extensive planning for addressing our water supply problems, was completed in 2007. WDCWA's application for rights to Sacramento River water was approved in early 2011. Various environmental permits and approvals will also be required before the WDCWA can break ground on the project.

Task	Start	Finish
Pipeline/RWTF Pre-design/Engineering	Q3 2009	Q4 2012
Water Rights	1994	Mar-11
Facility Location & Alignments	Q2 2009	Q2 2012
Water Supply	Q3 2010	Q2 2013
Permitting (Env. and Design/Con)	Q3 2010	Q3 2015
Land Acquisition	Q3 2010	Q4 2012
Project Funding/Financing	2011	Q1 2013/2014
Intake Design	Q1 2011	Q4 2012
Intake Construction	Q2 2013	Q1 2016
DBO Contract Procurement	Q1 2011	Q3 2013
Pipeline/RWTF Design	Q3 2013	Q4 2014
Pipeline/RWTF Construction	Q1 2014	Q2 2016
Operation	Q3 2016	Q2 2031*

*Agency has option to extend contract an additional 5 years

PROJECT BENEFIT TO YOLO COUNTY IRWMP

A regional surface water project was recommended for implementation in the 2007 Yolo County IRWMP.



PROJECT COST

The development and construction of the project is expected to cost roughly \$245 million (in April 2012 dollars). Estimated costs include:

- \$13.3 million for the Sacramento River intake
- \$26.1 million for the raw water pipeline
- \$110 million for the water treatment facility
- \$25.7 million for the Davis/UC Davis treated water transmission pipeline
- \$6.3 million for the Woodland treated water transmission pipelines
- \$31 million for local facilities
- \$32.6 million for permitting, legal, land acquisition, pre-design, project management, and administration (includes costs expended (June 2009)).

PROJECT DESCRIPTION

The Woodland-Davis Clean Water Agency, a joint powers authority of the Cities of Woodland and Davis and UC Davis, is responsible for planning, designing and implementing the project. The facilities will be financed and owned by the member agencies. Some project costs have been based on a Design-Build-Operate method for contracting, project delivery, and longer-term operations. The Agency is overseen by a six-member board comprised of two council members from each city and two non-voting members, one each from UC Davis and the Yolo County Board of Supervisors.

CONTACT INFORMATION

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