

**Sacramento River West Bank Integrated Action**  
**Yolo County Integrated Regional Water Management Plan**

<b>Project ID</b>	<b>Project Name</b>	<b>Organization</b>	<b>Summary</b>	<b>Location</b>	<b>Geographic Area</b>	<b>Project Readiness</b>
FM40	Sacramento River Levee Repair	City of West Sacramento	Correct deficiencies, protect against underseepage, and maintain the Sacramento River Levees to current standards for FEMA 100 yr and 200 year levels of flood protection. Physical improvements may include, but not be limited to, restoration and armoring of water-side levee slopes, increased levee height through crown raising or crown-top walls, slurry cutoff walls in the levee prism, seepage blankets on the levee land-side, levee setbacks, etc.	Right bank of the Sacramento River from approximately River Mile 63.0 to approximately River Mile 46.0	Sacramento River	12-36 months
FM41	Deep Water Ship Canal Navigation Levee Repair	City of West Sacramento	Correct deficiencies, protect against underseepage, and maintain the Deep Water Ship Canal Levees to current standards for FEMA 100 yr and urban levee 200 year levels of flood protection. Physical improvements may include, but not be limited to, restoration and armoring of water-side levee slopes, increased levee height through crown raising or crown-top walls, slurry cutoff walls in the levee prism, seepage blankets on the levee land-side, levee setbacks, etc.	Deep Water Ship Canal Navigation Levee extending from the Sacramento River just east of the Port of Sacramento to its terminus into the San Francisco Bay near Rio Vista (approximately 22 miles).	Deep Water Ship Canal & Levees	12-36 months
FM42	Sacramento Bypass-Yolo Bypass Levee Repair	City of West Sacramento	Correct deficiencies, protect against underseepage, and maintain the Sacramento Bypass and Yolo Bypass Levees to current standards for FEMA 100 yr and urban levee 200 year levels of flood protection. Physical improvements may include, but not be limited to, restoration and armoring of water-side levee slopes, increased levee height through crown raising or crown-top walls, slurry cutoff walls in the levee prism, seepage blankets on the levee land-side, levee setbacks, etc.	South levee of the Sacramento Bypass extending from the Sacramento River at the Sacramento Weir to the Yolo Bypass and the east levee of the Yolo Bypass extending from the Sacramento Bypass to the Deep Water Ship Canal Navigation Levee.	Sacramento Bypass and Yolo Bypass	12-36 months
WQ17	Sacramento River Storm Water Sources Monitoring Program	City of West Sacramento	Project includes funding for implementation of a storm water monitoring program to identify and reduce urban runoff contaminants from entering the Sacramento River water supply. Project consists of developing a long-term storm water monitoring program for Yolo County along the Sacramento River.	Sacramento River from I-80 to I Street Bridge	Sacramento River	6-12 months

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WQ11	Sacramento River Joint Source Water Protection Program	City of West Sacramento	Project includes funding and participation in the joint source water protection program with City of Sacramento. This program aims to reduce TOC and pesticide runoff into the Sacramento River. Includes public notification and education programs, coordination with the CRC on rice management and spill notification procedures. Funding enables monitoring for existing and new pesticides during the spring and summer discharge periods.	Sacramento River from I-80 to I Street Bridge	Sacramento River	Ready now
FM43	West Sacramento South Cross Levee Repair	City of West Sacramento	Correct deficiencies, protect against underseepage, and maintain the West Sacramento South Cross Levees to current standards for FEMA 100 yr and urban levee 200 year levels of flood protection. Physical improvements may include, but not be limited to, restoration and armoring of water-side levee slopes, increased levee height through crown raising or crown-top walls, slurry cutoff walls in the levee prism, seepage blankets on the levee land-side, levee setbacks, etc.	Cross levee on West Sacramento's southern border extending from the Sacramento River to the Deep Water Ship Canal. This levee protects the City from flood water intrusion from possible Sacramento River west levee or Deep Water Ship Canal east levee break south of the City.	Sacramento River, Deep Water Ship Canal & Levees	12-36 months
R35	Central Park Facilities	City of West Sacramento	Construct a broad range of recreational amenities to provide visual and physical access to the Sacramento River and Barge Canal at locations between the Palamidessi and Jefferson Boulevard bridges, the River Bluffs, and the Barge Canal dredge spoils site. Water-related facilities may include an aquatic/boating center, marina, viewing platforms and shore access pathways. Adjacent active and passive recreation facilities may include civic gathering and festival areas, neighborhood play parks, sport field complexes, meeting and convention facilities, theater or other performing art venues, museum or other cultural interpretation facilities.	Publicly owned properties at the following locations: West Sacramento Wastewater Treatment Facility, Barge Canal navigational properties, Barge Canal dredge spoils property, land along the south bank of the Barge Canal between the Lake Washington and Jefferson Boulevard bridges.	Sacramento River, Deep Water Ship Canal & Levees	6-12 months

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R36	Main Drain Canal Recreation Corridor	City of West Sacramento	Construct over 6 miles of bicycle and pedestrian access, travel, and other use amenities along the Main Drainage Canal between the Barge Canal and the Deep Water Ship Channel.. Improvements will consist of paved and un-paved trail surfaces, vehicular staging areas and access controls, and location-based amenities (e.g., picnic tables, trash/recycling receptacles, information kiosks, drinking fountains, shade structures, landscaping, viewing areas, bank fishing access, etc.). Improvements will be phased according to available funding and other opportunities.	Along the entire length of the Main Drain Canal, from the Barge Canal south along Arlington Road to the intersection of Lake Washington Boulevard and Jefferson Boulevard, from the MC-10 Detention Basin eastward to Jefferson Boulevard, and southward from Jefferson Boulevard to the Main Drain Pump Station at the Deep Water Ship Canal levee.	Sacramento River, Deep Water Ship Canal & Levees	1-6 months
WS27	Linden Road water intake plant replacement	Reclamation District #900	Replace existing outdated water intake pumping facility with new intake and discharge pipelines, pump, and electrical panel. New pipeline invert through levee will be above 200 year water surface. Intake will have fish screens. Old pipeline will be removed and levee will be restored to meet current Corps requirements.	East end of Linden Road, through Sacramento River levee in Southport area of West Sacramento	Sacramento River	1-6 months
FM6	Clarksburg Levee Improvement Project/Sacramento River Levee Improvement #4	Reclamation District #999	This is a levee improvement by using environmentally friendly brush boxes to prevent further erosion. Fill large erosion sites with 18" minus rock. Geotechnical studies and levee improvements are needed to address throughseepage and underseepage problems for the levees that protect the unincorporated town of Clarksburg. The evaluations are necessary to determine the potential for throughseepage, underseepage, or other levee weaknesses that may lead to levee failure. Underseepage and other problems can only be addressed once levee integrity studies are completed that will identify needed improvements. Funding is also needed for necessary improvements identified by the geotechnical evaluations.	Reclamation District 999 unit #4 levee mile 0 to levee mile .8	Sacramento River	6-12 months

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R7	Knights Landing River Access facility Improvements	Yolo County	Renovate an existing river access/fishing facility located on a 4-acre site, located along the Sacramento Slough (with access to the Sacramento River). The site is owned by the State Wildlife Conservation Board (WCB), and managed by Yolo County under an operating agreement with the WCB. Renovation and construction to include removing navigation obstacles, installing updated boarding floats, repaving the parking lot, installing a vault restroom, potable water system, automated fish cleaning station, updating the site electrical, installing an automated pay station, fishing platforms, and upgrading the park host facilities.	One mile west of the town of Knights Landing off of State Hwy 45.	Sacramento River	>36 months
R10	Elkhorn Regional Park Improvement Project	Yolo County	Renovate the southern portion of an existing 49 acre park site located eight miles north of West Sacramento along the Sacramento River. Recreational improvements to include installing an elevated universally accessible educational trail through the rich riparian gallery forest, construction of river overlooks, restoring the wildlife habitat, and installing an interpretative kiosks and educational signage. Acquire 900-foot easement to connect Park to DFG Wildlife Area. Renovate the southern portion of an existing 49 acre park site located eight miles north of West Sacramento along the Sacramento River. Recreational improvements to include installing an elevated universally accessible educational trail through the rich riparian gallery forest, construction of river overlooks, restoring the wildlife habitat, and installing an interpretative kiosks and educational signage. Acquire 900-foot easement to connect Park to DFG Wildlife Area.	Eight miles North of West Sacramento on CR 22 (Old River Road)	Sacramento River	12-36 months
R30	Clarksburg Sacramento River Access Facility Improvements	Yolo County	Renovate the 4-acre site, located along the Sacramento River. Renovation and construction to include removing navigation obstacles, widening the boat launch ramp to comply with current state standards, installing updated boarding floats, repaving the parking lot, installing a vault restroom, potable water, automated fish cleaning station, updating the site electrical, installing an automated pay station, fishing platforms, and constructing new park host facilities. Include the site in the State delta Clean Boating Network program which includes the installation of an oil recycling center, public information station, and the distribution of clean boating "kits" to educate the public on the value of keeping the river and delta clean.	Three miles south of the town of Clarksburg off of South River Road.	Sacramento River	12-36 months

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FM5	Knights Landing Levee Improvement Project	Yolo County and RD 108	Geotechnical studies and levee improvements are needed to address throughseepage and underseepage problems for the 12 miles of levees that protect the unincorporated town of Knights Landing. The evaluations are necessary to determine the potential for throughseepage, underseepage, or other levee weaknesses that may lead to levee failure. Throughseepage can be addressed through construction of the Mid-Valley Project -- a multiple-phase US Army Corps of Engineers project. Underseepage and other problems can only be addressed once levee integrity studies are completed that will identify needed improvements. Funding is also needed for necessary improvements identified by the geotechnical evaluations.	Knights Landing	Sacramento River	12-36 months
FM7	Sacramento River West Bank Levee Integrity Program	Yolo County	Levee maintenance districts need funding for geotechnical evaluations of all Sacramento River levees not included in the West Sacramento, Knights Landing, and Clarksburg levee improvement projects. Approximately 80 miles of Sacramento River levees have never been evaluated, despite identified seepage problems. The evaluations are necessary to determine the potential for throughseepage, underseepage, or other levee weaknesses that may lead to levee failure. The studies should identify improvements that also need to be funded.	Approximately 80 miles of levees in unincorporated Yolo County outside of Knights Landing and Clarksburg	Sacramento River	Unknown
R21	Sacramento River Boating Access Program	City of West Sacramento & Yolo County	Assess new boating opportunities through a user survey to understand both the demand and specific needs. Use the survey to assess both motorized and non-motorized needs. Construct additional boating access points and related improvements along the Sacramento River.	Yolo County's 215 miles of Sacramento River Flood Control Project levees.	Sacramento River	6-12 months
R17	Sacramento River Fishing Access Program	City of West Sacramento & Yolo County	Conduct user survey to understand demand and needs. Use the survey to assess potential opportunities and improvements. Construct additional parking spaces for bank fishing in the Sacramento River. Construct a fishing pier on the Sacramento River in West Sacramento.	Yolo County's 215 miles of Sacramento River Flood Control Project levees.	Sacramento River	6-12 months

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AR49	Sacramento River Habitat Enhancement Actions	City of West Sacramento & Yolo County	<p>This action includes a variety of enhancements of Sacramento River riparian and aquatic habitat consistent with levee improvements. As a result of increased attention by the Governor and the Legislature on improving California's levee system, projects will be undertaken on Yolo County's 215 miles of Sacramento River Flood Control Project levees to strengthen them. If funding is available, local levee maintenance districts and other flood control agencies should undertake wildlife, plant, and fish habitat enhancement projects in addition to their required mitigation activities. Riparian vegetation could be added to levee slopes according to the bank vegetation guidelines of the Sacramento River Corridor Planning Forum's (2005) draft Floodway Management Plan. The guidelines are designed to increase habitat value, while maintaining maximum flood protection and providing additional structure for fish habitat, as appropriate.</p> <p>Outmigrating juvenile salmon and steelhead in the Sacramento River benefit greatly from instream woody material and other inundated structures because they provide cover. Cover protects juveniles from predators, and provides substrate for food organisms. Little structure occurs in the channel, because the sources of instream woody material are very limited in the lower, levee-confined reaches of the Sacramento River, or have been removed for levee and channel maintenance or by rock bank protection projects.</p>	Yolo County's 215 miles of Sacramento River Flood Control Project levees	Sacramento River	6-12 months
FM44	Ongoing Levee Maintenance and Critical Repair Program	City of West Sacramento & Yolo County	Annual program of levee maintenance and repair at critical erosion sites.	Yolo County's 215 miles of Sacramento River Flood Control Project levees, 22 miles of Deep Water Ship Canal levees, Yolo Bypass Project levees.	Sacramento River; Yolo Bypass; Deep Water Ship Canal & Levees	6-12 months
R37	Implementation of the Commission's Land Use and Resource Management Plan for the Primary Zone of the Delta (Management Plan)	Delta Protection Commission	The Management Plan contains findings, policies, and recommendations in the areas of environment, utilities and infrastructure, land use, agriculture, water, recreation and access, levees, and marine patrol/boater education/safety programs. The policies of the Management Plan are incorporated in the General Plans of local entities with jurisdiction in the Primary Zone. All projects should be consistent with the Management Plan as well as County General Plan policies pertaining to the Delta. In addition, all projects should be compatible with the Great Delta Trail which is being planned by the Delta Protection Commission pursuant to SB 1556 (Torlakson).	Implementation of the Management Plan occurs in the Legal Delta (Water Code Section 12220 et seq.)	Cache Creek; Sacramento River; Other Sloughs or Tributaries; Yolo Bypass; Deep Water Ship Canal & Levees	TBD