

Section 8: Project Review and Prioritization

This section describes the process used to solicit, screen, review, and select projects for inclusion in the Westside Sacramento Region (Region) *Integrated Regional Water Management Plan* (IRWM Plan) and prioritize the projects. The process was designed to identify projects, programs, and actions that contribute towards achievement of the IRWM Plan goals and objectives.

This section also lists projects prioritized by importance and urgency. The “importance” assigned to each project reflects the significance or consequence of implementing this project compared with other projects within the Region. The “urgency” assigned to each project reflects the degree to which this it warrants speedy attention or action compared with other projects.

8.1 Project Solicitation and Integration Process

8.1.1 Development of the Project List

The process began with the project team creating a description to be included in a *Call for Projects* and a *Project Information Form* (see Appendix D) of how project submittals would be evaluated and considered for inclusion in the IRWM Plan. The project team determined that all potential projects, programs, or actions must be submitted using the *Project Information Form* in order to provide a way in which the characteristics of projects could be compared side by side. The team discussed and made available for comment a draft list of project evaluation criteria that would be included in the *Project Information Form*. These draft criteria were chosen to facilitate project comparison, review, selection, and prioritization. The Coordinating Committee reviewed the scoring criteria.

As noted in the description, the project team agreed that project review and selection would not be prescriptive. That is, projects would not be included or prioritized on the basis of a formulaic evaluation. While each project would be evaluated using the submitted *Project Information Form* and a compiled total criteria score, that score would be only one factor for determining whether to include the project in the Plan and its priority; it would be augmented by

expert judgment of those on the project team about the relevancy of the submitted projects. The project team would receive, evaluate, and review all submitted *Project Information Forms*, then propose a list of projects to include in the IRWM Plan and recommend a priority level for each. The recommendations would be discussed with participants at a stakeholder input meeting before any final decisions were made.

The project team distributed *Project Information Forms* to all interested stakeholders and issued the initial *Call for Projects* at the June 12, 2012 stakeholder meeting. Also, the *Call for Projects* and *Project Information Form* were posted to the IRWM Plan website and emailed to the stakeholder distribution list. Stakeholders were given approximately two months to identify projects for potential Plan inclusion and submit completed forms to the Westside Regional Water Management Group (RWMG). The project forms were required to be submitted via email; after submission, the information was compiled in a database. No efforts were made to verify the information submitted by each project proponent. When the information submitted was not clear to the project team, one of its members contacted the proponent for clarification. All of the submitted information was provided for stakeholder review and comment on the Westside website.

Stakeholders were invited to submit any projects, programs, and action ideas they believed could contribute to fulfilling the Plan objectives irrespective of the project’s current funding, level of development, or readiness to proceed. The project team wanted to identify projects and programs that were implementable and “ready to proceed” as well as other ideas that had not yet been developed into mature project proposals. This approach was intended to encourage stakeholders to share information and identify opportunities that could help contribute to fulfillment of the IRWM Plan objectives.

The project team received 132 project submittals during the first call for projects. The initial screening and review of the projects revealed that there were possible opportunities for additional integration and regionalization of project efforts. For example, several organizations submitted project ideas for an invasive species management program, which could

potentially be combined into a single regional effort or a few collaborative efforts. Also, after the first call for projects, some stakeholders expressed confusion about what types of projects, programs, and actions the project team had asked to be submitted for consideration in the IRWM Plan.

For these reasons, a second *Call for Projects* was issued on October 22, 2012 to provide stakeholders with an opportunity to discuss, refine, and further integrate project ideas. A facilitated project integration workshop was held October 24, 2012 in Clearlake for interested stakeholders to ask questions about the process, identify and discuss opportunities for project integration, and get technical assistance with completing *Project Information Forms*. Some projects were modified and new projects were submitted during the second call for projects, yielding a final total of 141 projects.

8.1.2 Future Updates to the Project List

The Coordinating Committee plans to provide a number of opportunities for regional stakeholders to propose changes to the list of projects included in the Plan; the list is intended to be updated annually. New projects may be added, scored, and prioritized in accordance with the IRWM Plan objectives. Projects may also be removed at the request of that project's proponent or once the project has been completed. For these changes, the Coordinating Committee may choose to use the same project submittal, review, and selection process used during Plan development, or it may modify the process before inviting potential revisions. In any case, future project solicitations will include a specific request to identify the means in which projects will help reduce dependence on the Sacramento-San Joaquin Delta for water supply in accordance with the California Department of Water Resources (DWR) November 2012 IRWM Guidelines. Any future updates to the project list will be included in Appendix D to this Plan and also will be posted to the IRWM website: www.westsideirwm.com.

8.2 Project Scoring, Selection, and Prioritization Process

8.2.1 Project Scoring

As described above, the information submitted on the *Project Information Form* for each project was scored, and the sum of all factors yielded a total criteria score. This score was a useful tool to help the team understand and compare the attributes of the broad range of projects under consideration. The total criteria scores were never intended to be the basis for final decisions about inclusion or prioritization, but rather, were one indicator of how the projects compared with each other.

Twenty unique criteria were used and are listed below. They were grouped into the following categories:

- Readiness to proceed,
- Regional support and integration,
- Implementation feasibility, and
- Impacts and benefits.

The scores did not consider whether a potential project may be eligible to receive Proposition 84 or 1E grant funds.

The maximum possible score for a project was 22. The highest score assigned to a submitted project was 20; the average of all project scores was 11. The total criteria score for each of the 141 projects is provided as Table D-3 in Appendix D.

Readiness to Proceed (total points possible: 9)

- **Planning completed** – If the initial planning process for the project had been completed, it received 1 point.
- **California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA) requirements completed or not relevant** – Activities funded under Proposition 84 must be in compliance with CEQA/NEPA. Projects that have completed CEQA/NEPA analyses or do not require them received 1 point.
- **Permitting completed or not needed** – Permitting is an important element of most implementable projects and can be a critical path

item in project implementation. Projects that have completed the required permitting or do not require permitting received 1 point.

- **Design partly completed or not needed** – Design is an important milestone in most implementable projects. Projects that have completed the design portion of the project or do not require design received 1 point.
- **Construction/implementation commenced** – Projects that have begun construction or implementation demonstrate their readiness to proceed with subsequent work phases. Such projects received 1 point.
- **Has a strong project proponent** – It is important for the success of a project to have a strong proponent committed to the project who has authority, capability, and funding (or qualify for match waiver as involving a disadvantaged community [DAC] for a critical water supply/quality project). Projects that indicated they had a strong project proponent received 1 point.
- **Has early implementation start date** – Stakeholders were encouraged to submit any water management project that is important to the Region, independent of readiness to proceed; however, for the purposes of scoring, projects planned to be implemented within 36 months received 1 point.
- **Cost estimates prepared (with some detail)** – Stakeholders were encouraged to submit project concepts, and thus cost estimates were not always well developed. If a detailed cost estimate was indicated to be available, the project received 1 point.
- **Source of funding identified** – Projects that have identified sources of funding for implementation received 1 point.

Regional Support and Integration (total points possible: 2)

- **Encourages or supports regional cooperation and collaboration** – Projects that encourage regional support received 1 point.
- **Integrates easily with other projects** – A key criterion for developing and implementing integrated projects is the ability of a project to work well with and maximize linkages between projects. Projects that could be integrated easily with other projects received 1 point.

Implementation Feasibility (total points possible: 3)

- **Consistent with general plans** – It is important that the Region’s projects are consistent with the goals and objectives of the applicable county and city general plans. Such projects received 1 point.
- **Technically and economically feasible** – If a project was indicated to be both technically and economically feasible, it received 2 points. If the project was one or the other, it received 1 point.

Impacts and Benefits (total points possible: 8)

- **Addresses more IRWM Plan objectives** – The IRWM Plan objectives, which were described in Section 6, were used to evaluate projects. Integrated water management calls for projects that provide multiple benefits and meet more than one IRWM Plan objective. Therefore, if a project met more than 5 objectives, it received 2 points. If the project met between 2-5 objectives, it received 1 point. If the project met 0-1 objectives, it received 0 points.
- **Addresses more resource management strategies (RMSs)** – Section 7 described the RMSs selected for the Plan and how they compare with those included in the California Water Plan. Projects that include more than 5 RMSs received 2 points, those with 2-5 RMSs received 1 point, and those with 0-1 RMSs received 0 points.
- **Addresses more Statewide Program Preferences** – Statewide IRWM Program preferences and priorities are identified in the Public Resources Code Section 75026.(b) and California Water Code Section 10544. (See Section 12 – Glossary) Projects that addressed one or more Statewide Program Preference received 1 point.
- **Has potential negative impacts** – It is important to understand whether projects are creating negative impacts such as short-term construction impacts or longer-term environmental impacts. Projects that may cause a negative impact received -1 (minus 1) point; if no potential negative impact was identified, the project received 0 points.
- **Serves a DAC or tribal community or responds to environmental justice concerns** – Projects that serve a DAC or tribal community or answer an environmental justice concern received 1 point.
- **Contributes to climate change adaptation** – Projects that contribute to climate change adaptation received 1 point.

- **Helps reduce greenhouses gas (GHG) emissions**
 - Projects that contribute to a reduction in greenhouse gas emission received 1 point.

The Coordinating Committee reviewed the score sheets developed by the c Project Team, and then the results were shared with the stakeholder group.

8.2.2 Project Selection

The project team concluded that all of the submitted projects were consistent with the Plan objectives except for one, which is located outside the Westside Region and intended to produce benefits outside the Region. In addition to conducting the scoring described above, the project team considered whether the submitted projects would be too numerous to implement.

On the basis of these considerations, the consultant team recommended that all 141 submitted projects be included in the IRWM Plan except for the one located outside the Region. After discussion at stakeholder input meetings held in two different locations, the stakeholder group agreed with the consultant team's recommendation.

8.2.3 Project Prioritization

In addition to the total criteria score, projects were considered in terms of which IRWM Plan objectives they contributed to. This perspective helped identify projects, programs, and actions that water managers may choose to pursue first to address the Region's water-related challenges and opportunities.

Earlier in the planning process, the IRWM Plan objectives were prioritized based on their relative importance and urgency. The objectives received a ranking of high or medium for importance, and a ranking of high, medium, or low for urgency (as described in Section 6).

Now, the project team assessed which objective(s) each project most addressed and assigned an importance and urgency priority to the project that match the identified importance and urgency of the primary objective it addressed. Where projects are expected to contribute to multiple objectives, the consultant team used judgment in assigning a priority to the project.

8.3 Summary of Projects Received

The projects that were submitted by stakeholders in response to the two *Calls for Projects* demonstrate the breadth of activities needed to meet the Region's water management objectives. These 141 projects were submitted by 39 different organizations. They address, to some extent, all 24 of the IRWM Plan objectives. They range from large-scale drinking water supply projects to habitat restoration programs, flood management projects, and invasive species management initiatives. They suggest an even broader range of projects and programs presenting multiple opportunities for continued resource and project integration.

The submitted projects are summarized in Table 8-1 below by objective focus area. The table also helps to portray the broad variety of types of projects, programs, and actions submitted. Feasibility studies are project ideas where the proponent is not sure whether it will pencil out to proceed with full implementation. Implementable programs and projects are programs (such as a water conservation program) or on the ground-constructed projects that have been developed sufficiently to proceed with implementation in the near future. Planning projects are studies or evaluations of various actions, and do not include constructed or programmatic implementation.

Table 8-1: Summary of Project Submittals by Objective Focus Area and Project Type

Objective Focus Areas	Project Types			
	Feasibility Study	Implementable Program	Implementable Project	Planning
Education and Awareness		1	1	2
Habitat and Invasives	17	3	18	7
Infrastructure			19	10
Reasonable Use			1	2
Recreation			4	1
Risk Management	5		13	6
Understand Watershed Function	1		1	9
Water Quality		2	2	6
Water Supply	1	1	4	3
TOTAL^(a)	24	7	63	46

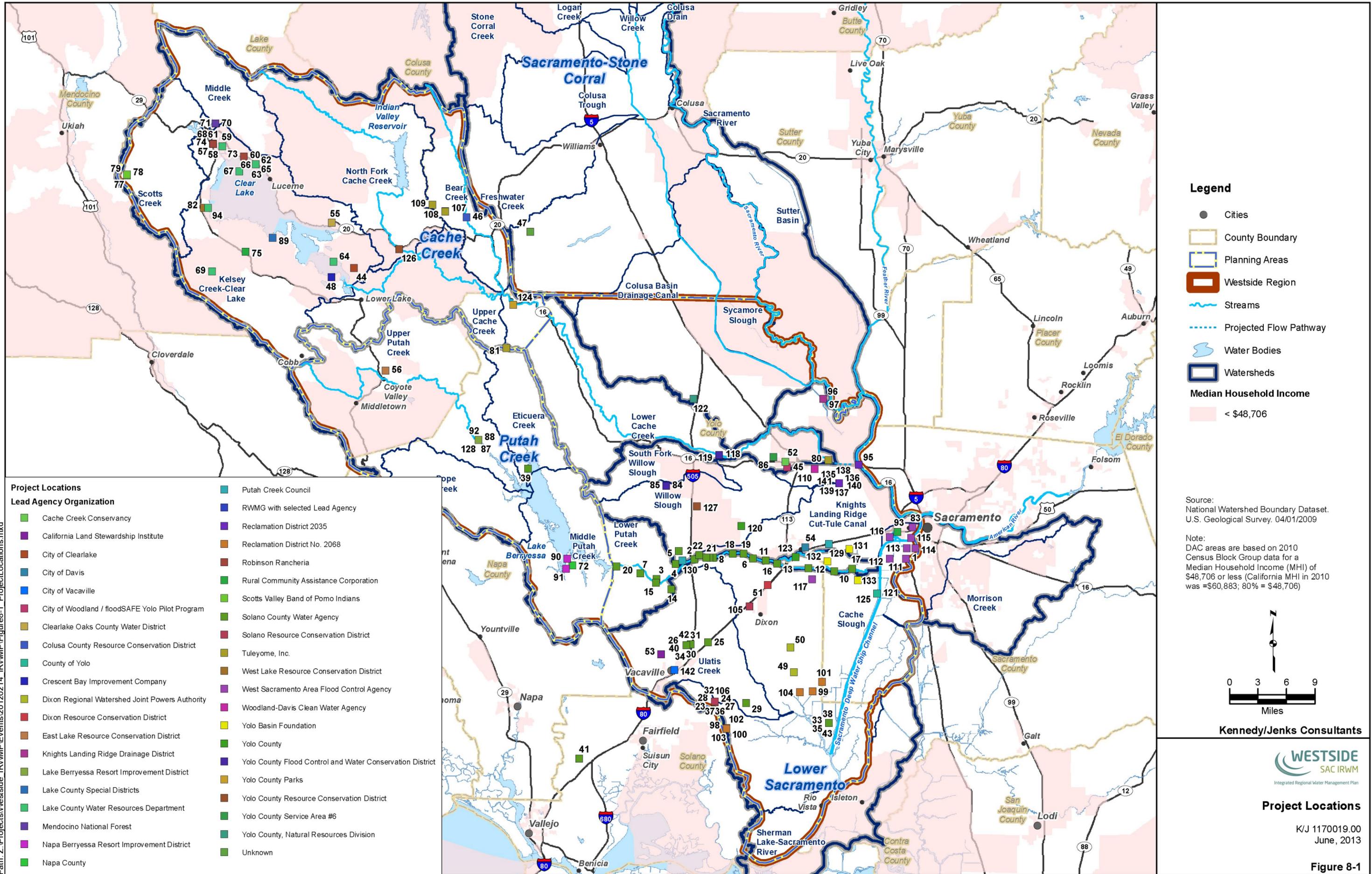
(a) One project was removed from the list because it is outside the Region.

Figure 8-1 shows a map of the Region with locations for all of the submitted projects by project proponent. Projects were fairly well distributed throughout the Region’s three planning areas (PAs). The majority of the projects were proposed for the Valley Floor PA, which is consistent with its large land area and higher population compared with the Upper Cache and Upper Putah Creek PAs, and which reflects the Valley Floor PA’s extensive agricultural and ecosystem resources. The number of projects proposed for the Valley Floor, Upper Cache Creek, and Upper Putah Creek PAs are 95, 32, and 10, respectively. Three projects (nos. 76, 40, and 143) have not been designated to a specific PA, as they do not have an assigned project proponent and are Region-wide.

8.3.1 Projects and Objectives Met

One of the key elements of a successful IRWM Plan is the assessment of how much and how well its projects achieve the Plan objectives. Many of the projects are dynamic integrated actions and addressed in whole or in part multiple objectives; so in order to facilitate sorting and comparison, each project was assigned a “primary objective”. Table 8-2 presents the projects submitted during the 2012 project prioritization process grouped according to the primary objective that the project would contribute towards when it is implemented. The project list was not reviewed to consider to what extent the objectives would be fulfilled by the current list of projects.

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Project Locations

Lead Agency Organization	
Cache Creek Conservancy	Putah Creek Council
California Land Stewardship Institute	RWMG with selected Lead Agency
City of Clearlake	Reclamation District 2035
City of Davis	Reclamation District No. 2068
City of Vacaville	Robinson Rancheria
City of Woodland / floodSAFE Yolo Pilot Program	Rural Community Assistance Corporation
Clearlake Oaks County Water District	Scotts Valley Band of Pomo Indians
Colusa County Resource Conservation District	Solano County Water Agency
County of Yolo	Solano Resource Conservation District
Crescent Bay Improvement Company	Tuleyme, Inc.
Dixon Regional Watershed Joint Powers Authority	West Lake Resource Conservation District
Dixon Resource Conservation District	West Sacramento Area Flood Control Agency
East Lake Resource Conservation District	Woodland-Davis Clean Water Agency
Knights Landing Ridge Drainage District	Yolo Basin Foundation
Lake Berryessa Resort Improvement District	Yolo County
Lake County Special Districts	Yolo County Flood Control and Water Conservation District
Lake County Water Resources Department	Yolo County Parks
Mendocino National Forest	Yolo County Resource Conservation District
Napa Berryessa Resort Improvement District	Yolo County Service Area #6
Napa County	Yolo County, Natural Resources Division
	Unknown

Legend

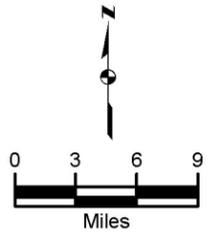
- Cities
- County Boundary
- Planning Areas
- Westside Region
- Streams
- Projected Flow Pathway
- Water Bodies
- Watersheds

Median Household Income

- < \$48,706

Source: National Watershed Boundary Dataset. U.S. Geological Survey. 04/01/2009

Note: DAC areas are based on 2010 Census Block Group data for a Median Household Income (MHI) of \$48,706 or less (California MHI in 2010 was = \$60,883; 80% = \$48,706)



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Project Locations

K/J 1170019.00
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Figure 8-1

Note: Project Numbers 40,76 & 143 are not included as they do not have an assigned project proponent and are Region Wide.

Table 8-2: Projects Grouped by Primary IRWM Plan Objective Met

Primary Objective Number and Summary		
Project No.	Lead Agency/Organization	Project Name
1 Provide/promote use of educational curricula for K-12 students		
97	Lake County Water Resources Department for RWMG	Form Task Force/Subcommittee to Strategize and Implement Watershed Education and Outreach
2 Provide educational information to encourage stewardship by public		
94	Lake County Water Resources Department	Increase Cache and Putah Creek Watershed Education and Outreach
130	Putah Creek Council	Pollution Prevention and Watershed Education Project
106	Solano Resource Conservation District	Waterway Management for Improved Water Quality and Wildlife Habitat
131	Yolo Basin Foundation	Pacific Flyway Center/Delta Gateway
3 Restore native vegetation/form/function in riparian/aquatic corridors		
52	Cache Creek Conservancy	Implementation of the Cache Creek Resources Management Plan
142	City of Vacaville	Centennial Park Riparian Forest Restoration and Loop Trail Development Project
56	East Lake Resource Conservation District	Upper Putah Creek Watershed Management Plan
65	Lake County Water Resources Department	Collaborative Process to Update Clear Lake Integrated Watershed Management Plan
68	Lake County Water Resources Department	Assess Stream Channel Hydrology And Related Riparian And Aquatic Habitats For Restoration
62	Lake County Water Resources Department	Identify, Protect, and Restore Important Wildlife Habitat Areas in Clear Lake
15	Lower Putah Creek Coord. Committee	Pleasants Creek Bank Stabilization
2	Lower Putah Creek Coord. Committee	505-East Channel Restoration
3	Lower Putah Creek Coord. Committee	Apricot Draw Bank Stabilization
7	Lower Putah Creek Coord. Committee	Putah Creek Interdam Reach Invasive Weed Control
14	Lower Putah Creek Coord. Committee	Pleasant Creek Wildlife Migration Corridor Plan
20	Lower Putah Creek Coord. Committee	Thompson Canyon Bank Stabilization Design and Permits
4	Lower Putah Creek Coord. Committee	Dry Creek Wildlife Migration Corridor Feasibility Study
5	Lower Putah Creek Coord. Committee	Duncan-Giovannoni Channel Restoration Feasibility Study
6	Lower Putah Creek Coord. Committee	Glide Ranch Channel Restoration Feasibility Study
8	Lower Putah Creek Coord. Committee	Lower McNamara Pool Channel Reconfiguration Feasibility Study
10	Lower Putah Creek Coord. Committee	Mace to Road 106A Channel Restoration Feasibility Study
9	Lower Putah Creek Coord. Committee	MacQuiddy Channel Reconfiguration Feasibility Study
11	Lower Putah Creek Coord. Committee	Nishikawa Channel Restoration Feasibility Study
12	Lower Putah Creek Coord. Committee	Old Davis Road to Mace Channel Restoration Feasibility Study
13	Lower Putah Creek Coord. Committee	Olmo-Hammond-UCD Channel Restoration Feasibility Study
16	Lower Putah Creek Coord. Committee	Restoria Channel Restoration Feasibility Study
17	Lower Putah Creek Coord. Committee	Road 106A to Yolo Bypass Channel Restoration Feasibility Study
18	Lower Putah Creek Coord. Committee	Russell Ranch Channel Restoration Feasibility Study
19	Lower Putah Creek Coord. Committee	Stevenson Bridge Channel Restoration Feasibility Study
21	Lower Putah Creek Coord. Committee	Upper McNamara Pool Channel Reconfiguration Feasibility Study
22	Lower Putah Creek Coord. Committee	Warren Weed Control
129	Putah Creek Council	Native Plant Nursery to Support Putah-Cache Ecotype Restoration
79	Scotts Valley Band of Pomo Indians	Eight Mile Valley Meadow Rehabilitation Project
124	Yolo County Parks	Lower Cache Creek Campground and Habitat Restoration
127	Yolo County Resource Conservation District	Agricultural Drain, Slough, and Canal Riparian Habitat Enhancement
122	Yolo County, Natural Resources Division	Cache Creek Parkway Plan
4 Quantify extent of suitable life-cycle habitat for threatened/endangered/imperiled (T/E/I) native fish		
78	Scotts Valley Band of Pomo Indians	Hitch Habitat Assessment
5 Prioritize/plan/schedule improvements of life-cycle habitat for T/E/I native fish		
64	Lake County Water Resources Department	Develop a Native Fish Management Plan
6 Increase availability of suitable life-cycle habitat for T/E/I native fish		
57	Lake County Water Resources Department	Restore Native Fish Spawning Areas in Clear Lake Tributaries
135	Reclamation District 2035	Tule Canal Habitat Enhancement and Sediment Removal
101	Reclamation District No. 2068	Levee Slope Modification
73	Robinson Rancheria	The Restoration of the Clear Lake Hitch to Blue Lakes
74	Robinson Rancheria	Spawning Hitch Fish and Reproduction Loss Correction Measures for an Artificial Trap
80	Tuleyome, Inc.	Cache Creek Anadromous Fish Reintroduction Project
132	Yolo Basin Foundation	Lower Putah Creek Restoration from Toe Drain to Putah Creek Diversion Dam
7 Prevent colonization by quagga/zebra mussels and eliminate/prevent spread of New Zealand mud snail		
76	RWMG with selected Lead Agency	Regional Invasive Mussels Management Plan
23	Solano County Water Agency	Aquatic Nuisance Vegetation Management
32	Solano County Water Agency	Solano Invasive Species Program
8 Establish invasive plant management plan		
53	California Land Stewardship Institute	Invasive Plant Removal in Ulatis Creek
46	Colusa County Resource Conservation District	Bear Creek Habitat Enhancement
40	RWMG with Selected Lead Agency	Regional Invasive Plants, Aquatic and Terrestrial Weeds Management Plan
27	Solano County Water Agency	Invasive Plant Removal Program
9 Implement invasive plant management plan		
105	Solano Resource Conservation District	Solano County Riparian Habitat Restoration and Enhancement Project
82	West Lake Resource Conservation District	Non-Native Invasive Weed Management Project
126	Yolo County Resource Conservation District	Implementation of the Cache Creek Watershed Invasive Weed Management Plan
10 Create asset management plan for key water management infrastructure		
140	Reclamation District 2035	Cross Bypass Canal Modernization
137	Reclamation District 2035	Installation of Groundwater Wells
143	RWMG with Selected Lead Agency	Regional Capital Improvement Plan
26	Solano County Water Agency	Improvements to Solano Project Facilities
29	Solano County Water Agency	NBA Infrastructure and Capacity Improvements
35	Solano County Water Agency	Risk Assessment of Delta Water Supplies
119	Yolo County Flood Control and Water Conservation District	Moore Siphon Reliability/Restoration Project
11 Meet 20% by 2020 water conservation targets		
72	Napa County	Regional Collaborative Water Conservation Program
24	Solano County Water Agency	Commercial Washer Rebate Program
28	Solano County Water Agency	Large Landscape Water Efficiency Program
12 Increase adoption of agricultural best management practices (BMPs)		
100	Reclamation District No. 2068	Irrigation Billing/Irrigation Management System Improvements
99	Reclamation District No. 2068	Agricultural Tail Water Reuse Program
13 Maintain and increase water-related recreational opportunities		
61	Lake County Water Resources Department	Improve Water Dependent Recreation Opportunities
115	West Sacramento Area Flood Control Agency	Sacramento River Recreational Trail
1	West Sacramento Area Flood Control Agency	Bees Lakes Preserve
133	Yolo Basin Foundation	Yolo Bypass Wildlife Area Public Use Improvements

Primary Objective Number and Summary		
Project No.	Lead Agency/Organization	Project Name
14 Provide adequate flood protection		
45	City of Woodland / FloodSAFE Yolo Pilot Program	Lower Cache Creek Flood Risk Reduction Project
49	Dixon Regional Watershed Joint Powers Authority	Dixon Main Drain / V-drain Enlargement Project
50	Dixon Regional Watershed Joint Powers Authority	Eastside Drain
51	Dixon Resource Conservation District	Storm Flow Reduction From Agricultural Lands North of Interstate 80
96	Knights Landing Ridge Drainage District	Mid Valley, Knights Landing Repair Project
59	Lake County Water Resources Department	Middle Creek Flood Damage Reduction and Ecosystem Restoration Project
58	Lake County Water Resources Department	Reduce Flood Damage
134	Proposed by RWMG	Climate Change Adaptation Study
136	Reclamation District 2035	Levee Repairs/Maintenance - Segments 150, 173, and 297
139	Reclamation District 2035	Floodway Corridor Project
42	Solano County Water Agency	Ulatis Flood Control Channel Grade Control
25	Solano County Water Agency	Gibson Canyon Creek Detention Basin
114	West Sacramento Area Flood Control Agency	Sacramento River Levee Repair
116	West Sacramento Area Flood Control Agency	Sacramento Bypass-Yolo Bypass Levee Repair Phase II
83	West Sacramento Area Flood Control Agency	Lower Sacramento and Delta North Regional Flood Management Plan
111	West Sacramento Area Flood Control Agency	Deep Water Ship Channel East Levee Repair
113	West Sacramento Area Flood Control Agency	Port of West Sacramento North and South Levee Repair
112	West Sacramento Area Flood Control Agency	Deep Water Ship Canal Navigation Levee Repair
117	West Sacramento Area Flood Control Agency	West Sacramento South Cross Levee Repair
121	Yolo County	Analysis of BDCP's Yolo Bypass Conservation Measure and Other Measures
120	Yolo County	Yolo County Airport Drainage Plan
123	Yolo County	Clarksburg Flood Protection Feasibility Study
86	Yolo County Service Area #6	County Service Area (CSA) #6 Levee Repair Project
15 Manage watershed activities to reduce large erosion events		
60	Lake County Water Resources Department	Improve Watershed Roads and Trails to Reduce Soil Erosion
70	Mendocino National Forest	Lakeview Hazardous Fuels Reduction
71	Mendocino National Forest	Hazardous Fuels Reduction in the Upper Lake Watershed
77	Scotts Valley Band of Pomo Indians	Scotts Creek Watershed Assessment
16 Monitor state/federal Delta programs		
33	Solano County Water Agency	Research on Hydrodynamics and WQ Interactions in the Delta.
17 Monitor conditions/improve understanding to support sustainable groundwater basins		
138	Reclamation District 2035	Groundwater Studies
103	Reclamation District No. 2068	Solano Subregion Groundwater Investigations
37	Solano County Water Agency	Southwestern Sacramento Valley Basin/Solano Subbasin Groundwater-Surface Water Flow Model to Evaluate Recharge, Conjunctive Water Use, and Future Deep Zone Pumpage
36	Solano County Water Agency	Solano Subbasin Conjunctive Use
18 Maintain and enhance watershed and natural resource monitoring network and information sharing		
63	Lake County Water Resources Department	Develop and Implement a Comprehensive Watershed Monitoring Program
104	Reclamation District No. 2068	Pump Station No. 1 and Upstream Drainage Tributary Inflow Metering
98	Reclamation District No. 2068	Canal Headworks Metering
102	Reclamation District No. 2068	SCADA Implementation
75	Rural Community Assistance Corporation	DAC Community Wastewater Management Project
31	Solano County Water Agency	Improve Solano Project SCADA infrastructure
125	Yolo County	Methylmercury Impacts Analyses for the Yolo Bypass
19 Address pollutant sources to meet runoff standards and total maximum daily load (TMDL) targets		
44	City of Clearlake	City of Clearlake Stormwater Management Plan (SWMP), Storm Drainage and Flood Control Project
66	Lake County Water Resources Department	Clear Lake Water Quality Assessment
39	Solano County Water Agency	Source Water Protection for Putah Creek Watershed
108	Tuleyome, Inc.	Sulphur Creek Mercury and Sediment Reduction Project
81	Tuleyome, Inc.	Comprehensive Mercury Assessment and Implementation for the Westside Region
109	Tuleyome, Inc.	Elgin Mine Drainage Water Treatment Project
20 Minimize accidental wastewater spillage/discharges		
128	Lake Berryessa Resort Improvement District	Program to Prevent Wastewater Discharges
91	Napa Berryessa Resort Improvement District	NBRID Wastewater Storage Pond and Disposal Improvements
21 Reduce public health risks by reducing contaminants in drinking water sources		
89	Lake County Special Districts	Soda Bay Water System Improvements
38	Solano County Water Agency	Source Water Protection for Delta Water Sources
43	Solano County Water Agency	Wetland Restoration Research and Impacts to Source Water Quality.
85	Yolo County Flood Control and Water Conservation District	Abandoned Well Incentive Program
22 Meet all drinking water and wastewater discharge-standards		
54	City of Davis	Wastewater Treatment Plant Secondary and Tertiary Improvements
55	Clearlake Oaks County Water District	Plant Intake
48	Crescent Bay Improvement Company	Crescent Bay Improvement Company
87	Lake Berryessa Resort Improvement District	LBRID Wastewater Storage Pond and Disposal Improvements
69	Lake County Water Resources Department	Adobe Creek Conjunctive Use Project
92	Napa Berryessa Resort Improvement District	NBRID Wastewater Treatment Plant Replacement
90	Napa Berryessa Resort Improvement District	NBRID Water Treatment Plant Replacement
93	Rural Community Assistance Corporation	Rural Disadvantaged Community (DAC) Partnership Project
34	Solano County Water Agency	Research on Improving Water Treatment for Delta Sources
110	Woodland-Davis Clean Water Agency	Davis-Woodland Water Supply Project
23 Provide 100% reliability of municipal and industrial (M&I) water supplies		
88	Lake Berryessa Resort Improvement District	Water Tank Replacement Project
67	Lake County Water Resources Department	Cache Creek Flow Enhancement Project
95	Reclamation District 2035	Sacramento River Joint Intake Project
30	Solano County Water Agency	North Bay Aqueduct Alternate Intake Project
118	Yolo County Flood Control and Water Conservation District	Conjunctive Water Use Program
24 Provide agricultural water supplies to support a robust agricultural industry		
141	Reclamation District 2035	Conjunctive Use Study
84	Yolo County Flood Control and Water Conservation District	Winters Main Canal Modernization Project: Integrated Precision Water Mgmt.

Despite the large number of projects submitted, some additional projects or programs likely will be needed to fully satisfy all objectives. In response to this recognition, several projects or programs were included in the Plan by the RWMG to address objectives not covered by the submitted projects. Project proponents have not yet been identified for all of these, and the details of the projects or programs will need to be more developed in the future. These projects are:

- Regional Invasive Plants, Aquatic and Terrestrial Weeds Management Plan (project no. 40)
- Regional Invasive Mussels Management Plan (project no. 76)
- Climate Change Adaptation Study (project no. 134)
- Task Force to Strategize and Implement Regional Watershed Education and Outreach (project no. 97)
- Regional Capital Improvement Plan (project no. 143)

Other projects that may be needed in the future to address unfulfilled objectives include:

- Under Preparation: To be issued as separate tech memo; Insert list of project types/activities

8.3.2 Prioritized Project List

Using the process described in Section 8.2.3, the projects were ranked and sorted by urgency and importance. The project list sorted by importance and urgency was presented and discussed with the Coordinating Committee and in facilitated stakeholder meetings on December 13 and 18, 2012 in Woodland and Clearlake, respectively (both meetings covered the same agenda). The projects submitted are summarized in Table 8-3 by importance and urgency and grouped by PA. Table D-6 in Appendix D includes the list of projects sorted by importance and urgency.

All projects included in the IRWM Plan are important to meet the objectives of the Region. The Coordinating Committee will encourage and support actions that advance all of the projects, regardless of their priority. However, the Coordinating Committee expects to focus its attention on supporting the implementation of projects with high importance and high urgency first. Such projects identified during the 2012 project prioritization process are listed in Table 8-4.

Table 8-3: Summary of Projects by Importance, Urgency, and Planning Area

Importance, Urgency	Planning Area			TOTAL ^(a)
	Upper Cache Creek	Upper Putah Creek	Valley Floor	
High Importance, High Urgency	2	3	7	12
High Importance, Medium Urgency	15	3	34	52
High Importance, Low Urgency			4	4
Medium Importance, High Urgency			1	1
Medium Importance, Medium Urgency	13	4	36	53
Medium Importance, Low Urgency	2		13	15
TOTAL^(a)	32	10	95	137

(a) Three projects (nos. 40, 76, and 143) are not included in this table as they do not have an assigned project proponent and are Region-wide.

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Table 8-4: High-Importance/High-Urgency Projects

Project No.	Lead Agency/ Organization	Project Title	Planned Project/Program Types and Activities	Primary Objective	Project Type	Importance	Urgency	Earliest Expected Start Date
76	RWMG with Selected Lead Agency	Regional Invasive Mussels Management Plan	Formation of an invasive species task force/subcommittee to prepare a regional invasive mussels species prevention plan and identify supplemental programs to be developed to fill gaps in existing programs to prevent invasive species infestation.	7	Implementable Program	High	High	Mar. 2014
40	RWMG with Selected Lead Agency	Regional Invasive Plants, Aquatic and Terrestrial Weeds Management Plan	Formation of an invasive species task force/subcommittee to prepare a regional invasive plants, aquatic and terrestrial weeds management/eradication plan that documents the extent of invasive species that could be leveraged, and identify supplemental programs to be developed to fill gaps in existing programs to manage invasive species.	8	Implementable Program	High	High	Mar. 2014
32	Solano County Water Agency	Solano Invasive Species Program	Program will prevent colonization of any regional water body by quagga or zebra mussels and eliminate or prevent the spread of New Zealand mud snails from Putah Creek.	7	Planning	High	High	Jun. 2013
23	Solano County Water Agency	Aquatic Nuisance Vegetation Management	The goal of the <i>Aquatic Nuisance Species Management Plan</i> is to minimize the harmful ecological, economic, and social impact of aquatic nuisance species through prevention and management of introduction, population growth, and dispersal into, within, and from Solano County.	7	Implementable Program	High	High	Jun. 2013
54	City of Davis	Wastewater Treatment Plant Secondary and Tertiary Improvements	To meet new surface water discharge limitations at Willow Slough, the City of Davis must cease its surface water discharge to Willow Slough, all or in part, through upgrades to its existing treatment process to provide for tertiary treatment.	22	Implementable Project	High	High	Oct. 2013
55	Clearlake Oaks County Water District	Plant Intake	Install a new water intake in the lake that is capable of drawing water from different depths, with installation of an Amiad pre-filter at the pier where the intakes are located. This will allow greater control of influent turbidity and pH by controlling what depth the intake will be drawing water from.	22	Planning	High	High	Nov. 2014
48	Crescent Bay Improvement Company	Crescent Bay Improvement Company	Crescent Bay Improvement Company has been on a Boil Water Order since 1999. There are three objectives to this project: 1) replace the 80-year old distribution lines, which are leaking, 2) drill a well and replace surface water source with ground water, and 3) explore the feasibility of purchase of a neighboring water company and develop an intertie with that system.	22	Implementable Project	High	High	May 2013
87	Lake Berryessa Resort Improvement District	LBRID Wastewater Storage Pond and Disposal Improvements	This project will upgrade the wastewater storage ponds and disposal spray fields.	22	Implementable Project	High	High	Sep. 2012
92	Napa Berryessa Resort Improvement District	NBRID Wastewater Treatment Plant Replacement (WWTP)	This project will upgrade the existing WWTP. The project will also repair or replace all the existing sewer lift stations.	22	Implementable Project	High	High	Sep. 2012
90	Napa Berryessa Resort Improvement District	NBRID Water Treatment Plant Replacement	The existing water treatment plant will be replaced with a new, more technically advanced water treatment plant.	22	Implementable Project	High	High	Sep. 2012
95	Reclamation District (RD) 2035	Sacramento River Joint Intake Project	The project consists of a 400-cubic-feet-per-second (cfs) intake and integrally constructed pump station, new discharge pipeline and appurtenant structures, and demolition of the existing facilities.	23	Implementable Project	High	High	Mar. 2013
93	Rural Community Assistance Corporation	Rural Disadvantaged Community (DAC) Partnership Project	RCAC will manage the Prop. 84 grant funds to address inadequate water supply and water quality in rural disadvantaged communities (DACs) in the Westside Sacramento IRWM Region.	22	Planning	High	High	Jan. 2013
34	Solano County Water Agency	Research on Improving Water Treatment for Delta Sources	The project would build upon past research done at the NBA Treatment Facility, and by other Delta users, to improve water treatment methods, reduce disinfection byproducts, and improve water treatment for Delta water users, including the State Water and Central Valley Projects.	22	Planning	High	High	Jun. 2013
110	Woodland-Davis Clean Water Agency (WDCWA)	Davis-Woodland Water Supply Project	The project comprises four regional facility components: (1) a joint RD 2035/WDCWA Sacramento River Intake facility (up to 80-cfs capacity for the WDCWA); (2) 4.5-mile raw water pipeline(s) to convey untreated surface water to a water treatment facility; (3) a regional water treatment facility to treat the surface water before delivery; and (4) 10 miles of treated water pipelines to deliver treated water to local water systems.	22	Implementable Project	High	High	Aug. 2016

8.3.3 Project Lists Sorted in Other Ways

Because of the number of projects submitted and the variety of factors considered for prioritization, a number of lists were prepared to present the projects in multiple ways (see Appendix D). Stakeholders can examine them to find new perspectives on the projects and collaboration opportunities. The Coordinating Committee and stakeholder group participated in deciding the different ways to sort the project lists. The lists were sorted by these characteristics:

- Project number,
- Project type,
- Total criteria score,
- Agency, then project type,
- Project location by county,
- Importance, then urgency,
- Primary objective, and
- RMS.

