

Meeting Agenda

Yolo Storm Water Resources Plan**Working Group Meeting 3**

Handouts and Meeting Materials Available on Yolo WRA Website:
http://www.yolowra.org/projects_swrp.html

Location: Yolo County Flood Control and Water Conservation District Boardroom,
 34274 State Highway 16, Woodland 95695

Call-In Number: (855) 813-2486; Access Code: 2714#

Date/Time: 04 May 2017, 10:30 AM

1	Review Agenda and Safety Moment	5 minutes
2	Summary of Last Meeting (April 6, 2017)	5 minutes
3	SWRP Objectives - Revisited <ul style="list-style-type: none"> • SWRP Objectives (Handout #1) <ul style="list-style-type: none"> ○ Proposed Objectives • Draft Section 1: Introduction and SWRP Objectives (Handout #2) 	15 minutes
4	Call for Projects Preparation <ul style="list-style-type: none"> • Westside Sac IRWM Project Form + SWRP Projects Addendum (Draft) (Handout #3) • Draft Project review and prioritization process (Handout #4) – at DAC/EDA meeting discuss match equation, case studies, have staff 	15 minutes
	Quantitative Methods Pt 1 – Example Output <ul style="list-style-type: none"> • GIS analysis <ul style="list-style-type: none"> ○ https://casoilresource.lawr.ucdavis.edu/sagbi/ • WEAP update • Simple Method 	10 minutes
4	Project Brainstorming and Discussion <ul style="list-style-type: none"> • Potential Projects Survey results summary <ul style="list-style-type: none"> ○ Combine projects? ○ Case studies? 	20 minutes

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	Identification of DACs/EDAs for additional outreach <ul style="list-style-type: none"> • DAC/EDA mapping <ul style="list-style-type: none"> ○ https://gis.water.ca.gov/app/dacs/ ○ https://gis.water.ca.gov/app/edas/ • Participants <ul style="list-style-type: none"> ○ Madison, Esparto, Knights Landing, others? ○ Community groups? 	10 minutes
5	Other Discussion	5 minutes
6	Next Meeting – June 1, 2017, 10:30 am, Yolo County Flood Control and Water Conservation District Boardroom, 34274 State Highway 16, Woodland 95695 Topics: <ul style="list-style-type: none"> - Start of Call for Projects - Draft Section 2: Watershed Identification - Draft Section 3: Water Quality Compliance - Projects discussion, case studies 	5 minutes
7	Handouts – Available on Yolo WRA IRWMP website: http://www.yolowra.org/projects_swrp.html <ol style="list-style-type: none"> 1. SWRP Objectives 2. Draft Section 1: Introduction and SWRP Objectives 3. Westside Sac IRWM Project Form + SWRP Projects Addendum (Draft) 4. Draft Project review and prioritization process 	

Westside Sacramento IRWM Plan Objectives vs SWRP Guideline Objectives	SWRP Guideline Objectives													
	1. Creates and restores wetlands (Wat. Code, § 10561(g))	2. Riverside [riparian] habitats (Wat. Code, § 10561(g))	3. Instream flows (Wat. Code, § 10561(g))	4. Increase in park and recreation lands (Wat. Code, § 10561(g))	5. Urban green space (Wat. Code, § 10561(g))	6. Augments recreation opportunities for communities (Wat. Code, § 10561(h))	7. Increases tree canopy (Wat. Code, § 10561(h))	8. Reduces heat island effect (Wat. Code, § 10561(h))	9. Improves air quality (Wat. Code, § 10561(h))	10. Maximizes water quality (Wat. Code, § 10562(b)(2))	11. Maximizes water supply (Wat. Code, § 10562(b)(2))	12. Maximizes flood management (Wat. Code, § 10562(b)(2))	13. Maximizes environmental benefits (Wat. Code, § 10562(b)(2))	14. Maximizes other community benefits (Wat. Code, § 10562(b)(2))
Westside Sacramento IRWM Plan Objectives														
Westside Sacramento IRWM Plan, June 2013.														
Section 6: Goals and Objectives, 6.4 Plan Objectives														
Storm Water Resources Plan Guidelines, December 2015														
Multi-Benefit / Multiple Benefit Projects, Page 9														
Storm water and dry weather runoff capture projects that provide more than one benefit or meets more than one objective.														
Westside Sacramento IRWM Plan Objectives														
Education and Awareness Focus														
1. Provide and promote use of educational curricula for K-12 students														x
2. Provide educational information to encourage stewardship by public														x
Habitat Focus														
3. Restore native vegetation/form/function along riparian/aquatic corridors	x	x												
4. Quantify the extent of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish			x										x	
5. Prioritize/plan/schedule improvements to suitable life-cycle habitat for T/E/I native fish			x										x	
6. Increase availability of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish identified.			x										x	
Invasive Species Focus														
7. Prevent colonization by quagga mussels/zebra mussels and eliminate/prevent spread of New Zealand mud snails		x											x	
8. Establish invasive plant management plan		x											x	
9. Implement invasive plant management plan		x											x	
Infrastructure Focus														
10. Create asset management plan for key water management infrastructure										x	x	x		
Reasonable Use Focus														
11. Meet 20% by 2020 conservation targets			x								x			
12. Increase adoption of agricultural Best Management Practices		x	x							x	x			
Recreation Focus														
13. Maintain and increase water-related recreational opportunities				x	x	x								
Risk Management Focus														
14. Provide adequate flood protection												x		
15. Manage watershed activities to reduce large erosion events	x	x							x	x		x	x	
Understand Watershed Function Focus														
16. Monitor state/federal Delta programs														
17. Monitor conditions/improve understanding to support sustainable groundwater basins											x			
18. Maintain/enhance watershed and natural resource monitoring network and information sharing										x				
Water Quality Focus														
19. Address pollutant sources to meet runoff standards and Total Maximum Daily Load (TMDL) targets										x				
20. Minimize accidental wastewater spillage/discharges										x		x		x
21. Reduce public health risks by reducing contaminants in drinking water sources										x	x			x
22. Meet all drinking water and wastewater discharge standards											x			x
Water Supply Focus														
23. Provide 100% reliability of municipal and industrial water supplies										x	x			
24. Provide agricultural water supplies to support a robust agricultural industry										x	x			
Proposed Objective														
25. Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects.					x		x	x						
26. Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.												x		x
27. Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.											x	x		
Objective Totals	2	6	5	1	2	1	1	1	1	9	9	6	7	6

Westside Sacramento IRWM Plan Objectives vs SWRP Benefit Categories	SWRP Guideline Benefit Categories																		
	Water Quality			Water Supply			Flood Management		Environmental								Community		
	Increase filtration and/or treatment of runoff	Nonpoint source pollution control	Reestablished natural water drainage and treatment	Water supply reliability	Water conservation	Conjunctive use	Decreased flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows	Environmental and habitat protection and improvement	Wetland enhancement/creation	Riparian enhancement	Instream flow improvement	Increased urban green space	Reduced energy use, greenhouse gas emissions, or provides a carbon sink	Reestablishment of the natural hydrograph	Water temperature improvements	Enhanced and/or created recreational and public use areas	Community involvement	Employment opportunities provided
Westside Sacramento IRWM Plan Objectives																			
Education and Awareness Focus																			
1. Provide and promote use of educational curricula for K-12 students																		x	
2. Provide educational information to encourage stewardship by public																		x	
Habitat Focus																			
3. Restore native vegetation/form/function along riparian/aquatic corridors			x						x	x	x	x				x			
4. Quantify the extent of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish									x	x	x	x				x			
5. Prioritize/plan/schedule improvements to suitable life-cycle habitat for T/E/I native fish									x	x	x	x				x			
6. Increase availability of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish identified by Objective 5.									x	x	x	x				x			
Invasive Species Focus																			
7. Prevent colonization by quagga mussels/zebra mussels and eliminate/prevent spread of New Zealand mud snails									x		x								
8. Establish invasive plant management plan									x		x								
9. Implement invasive plant management plan									x		x								
Infrastructure Focus																			
10. Create asset management plan for key water management infrastructure				x															
Reasonable Use Focus																			
11. Meet 20% by 2020 conservation targets				x	x														
12. Increase adoption of agricultural Best Management Practices		x		x	x	x													
Recreation Focus																			
13. Maintain and increase water-related recreational opportunities																	x	x	
Risk Management Focus																			
14. Provide adequate flood protection							x	x											
15. Manage watershed activities to reduce large erosion events			x				x								x				
Understand Watershed Function Focus																			
16. Monitor state/federal Delta programs			x												x			x	
17. Monitor conditions/improve understanding to support sustainable groundwater basins	x			x		x												x	
18. Maintain/enhance watershed and natural resource monitoring network and information sharing	x			x		x			x	x	x	x				x		x	
Water Quality Focus																			
19. Address pollutant sources to meet runoff standards and Total Maximum Daily Load (TMDL) targets	x	x	x																
20. Minimize accidental wastewater spillage/discharges							x	x											
21. Reduce public health risks by reducing contaminants in drinking water sources	x	x	x	x			x	x											
22. Meet all drinking water and wastewater discharge standards	x	x	x	x			x	x											
Water Supply Focus																			
23. Provide 100% reliability of municipal and industrial water supplies				x															
24. Provide agricultural water supplies to support a robust agricultural industry				x															
Proposed Objective																			
25. Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects.													x	x			x		
26. Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.						x	x	x											
27. Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.						x	x												
Benefit Totals	12	11	12	16	9	12	14	12	8	8	8	8	8	8	9	8	9	13	7

Section 1: Introduction and SWRP Objectives

The Water Quality, Supply, and Infrastructure Improvement Act of 2014 (also known as Proposition 1 [Prop 1]) established grant and loan programs for public agencies, nonprofit organizations, public utilities, state and federally recognized Indian tribes, and mutual water companies to support planning and implementation of water projects. One of the programs created by Prop 1 is the Storm Water Grant Program (SWGPs) administered by the State Water Resources Control Board (State Water Board). Senate Bill 985 (SB 985), the Storm Water Resource Planning Act, amended the California Water Code to require development of a Storm Water Resource Plan (SWRP or Plan) in order to be eligible for grants from a bond act approved after January 1, 2014; therefore, SB 985 applies to Prop 1 and applicants seeking funding from the SWGPs are required to develop a SWRP or functionally equivalent plan(s). The State Water Board developed the Proposition 1 Storm Water Resource Plan Guidelines (SWRP Guidelines; State Water Board 2015) to assist applicants with the development of their SWRP. This SWRP was developed in accordance with the SWRP Guidelines (see Checklist and Self-Certification in Appendix A).

1.1 Plan Development

The selected boundary for this SWRP is Yolo County (shown on Figure 1-1), located in northern California. Yolo County falls within the Westside-Sacramento Integrated Regional Water Management (Westside IRWM) Planning Region, which also includes four other Counties: Colusa, Lake, Solano, and Napa. Yolo County also borders the North Sacramento Valley and American River Basin IRWM Planning Regions. Coordination between the IRWM Regions and notice of the Yolo County SWRP development activities will be provided to these adjacent IRWM Regions by e-mail and phone as needed.

The boundary selection for this SWRP originated with a discussion initiated by the Westside IRWM Coordinating Committee on 15 January 2016 to discuss general interest in preparation of a SWRP. A follow up Coordinating Committee Special Business Meeting on 29 January 2016 resulted in the Water Resources Association (WRA) of Yolo County (Yolo WRA) as the only entity that had sufficient

stakeholder interest and resources to pursue preparation of a SWRP. Therefore, the selected boundary focuses on the Yolo County drainages within the Westside IRWM.

1.1.1 Relation to Other Planning Efforts

There are many on-going efforts to address water quantity and quality issues in the SWRP area. First and foremost is the initiation of the Yolo WRA in 1993. In 2007, the Yolo WRA completed a local Yolo IRWM Plan which describes Yolo-specific topics and foundational action items, and continues to inform water management in Yolo County. Other efforts to address storm water issues include:

- FloodSAFE Yolo;
- City of Woodland's Water Recycling Program;
- Yolo WRA's Groundwater Monitoring Network;
- Yolo WRA's Subsidence Network Monitoring;
- Westside IRWM grant to address mercury contamination in watersheds above the SWRP area; and
- Continued participation in the broader Westside IRWM.

The Westside IRWM Plan, published in 2013, is the most current of these documents. This plan presents a comprehensive overview of the SWRP area as well as the much larger IRWM Plan area, discusses the history and hydrology of the area, as well as its regulatory framework and water quality/quantity challenges. It also identifies water needs in the IRWM Plan area and assesses a wide variety of approaches to determine potential strategies to meet water quality and quantity goals.

The Westside IRWM Plan draws on previous water management plans, including the Yolo County IRWM Plan developed in 2007, which discusses water issues specific to Yolo County. The Yolo County IRWM Plan was developed by the Yolo WRA and represents the specific water quantity (e.g. flood and fluctuating groundwater levels) issues as well as quality issues such as mercury sediments from upstream abandoned mines.

The SWRP builds on flood management modeling and planning documents created by FloodSAFE Yolo, a pilot program led by the Central Valley Flood Protection Board that includes a number of agencies in the SWRP area. The FloodSAFE Yolo Program coordinated the flood management efforts associated with the Cache Creek Integrated Action and the Yolo County Sloughs, Canals, and Creeks Management Program identified in the Yolo County IRWM Plan. This program includes analysis of historical floods and modelling of flood scenarios in the SWRP area to identify areas that are vulnerable to flood.

Part of the SWRP area is also included in the Lower Sacramento River/Delta North Regional Flood Management Plan (FloodProtect), a study of flood preparedness in a region consisting of parts of Solano, Yolo, Sacramento, and Sutter Counties. This study provides a discussion of flood management problems and lists flood infrastructure improvements needed in each county included in the region of study. This document will help identify critical flood control needs in the area of the Yolo County SWRP.

Other documents related to flood preparedness within the SWRP area include:

- Flood Protect. Lower Sacramento River/Delta North Regional Flood Management Plan. July 2014. <http://www.yolocounty.org/home/showdocument?id=28753>
 - Covers parts of Solano, Yolo, Sacramento, and Sutter Counties. Identifies flood infrastructure needs and potential vulnerabilities in the SWRP area.
- FloodSAFE Yolo Pilot Program. "1st Annual Report (2008-2009)." September 2008. http://www.yolowra.org/irwmp_integrated_actions/1st-Annual-Report_floodSAFE_2008.pdf
 - Covers Yolo County. Discusses the formation and goals of the FloodSAFE Yolo consortium of agencies and presents results of the first few years of the program and describes planned future work. Contains maps analyzing areas impacted in various flood scenarios.
- Borcalli, Francis E. "Cache Creek and Cache Creek Settling Basin." FloodSAFE Yolo. Presentation delivered 21 November 2008.
 - Covers City of Woodland and adjacent area. Discusses flood vulnerabilities and mitigation

strategies in the vicinity of Woodland, CA. Introduces the Lower Cache Creek Feasibility Investigation.

- Various flood maps covering University of California Davis Campus, Interstate 5 corridor, the City of Madison, and other areas in the vicinity show extensive flood monitoring efforts throughout the SWRP area as well as results of models of predicted and historic floods.

In addition to these large-scale planning documents, watershed-scale analysis has been conducted targeting smaller watersheds within the SWRP area:

- Yolo County Resource Conservation District conducted an in-depth study on the Willow Creek Watershed in the southwest portion of the SWRP area and included a detailed analysis of the water, soil, and ecological resources in the basin, as well as discussion of water quality problems to address.
- The City of Winters completed reports discussing storm water projects needed in the Moody Slough and Putah Creek/Dry Creek subbasins.
- The City of Woodland has completed in-depth analysis and hydrologic modeling of stormwater infrastructure and natural drainage in the vicinity of the City, which has resulted in a detailed report presenting necessary stormwater infrastructure improvements.

Additional reports and documents used in the development of this SWRP are listed in Section 8: References.

1.1.1.1 Other IRWM Plan Regions

The American River Basin Region and North Sacramento Valley Region are also embarking on SWRPs under the SWGP planning grant.

Coordination between the IRWM Regions and the SWRP development occurs through notification of, and as appropriate, joint participation in meetings as well as in specific outreach.

The Yolo County SWRP area is located at the most downstream end of the extensive Sacramento River watershed and is hydrologically connected to the Sacramento-San Joaquin Delta and the San Francisco Bay. The American River Basin IRWM Plan area is located adjacent to the Yolo County SWRP area to the east and consists primarily of the greater part of Sacramento County directly east of Yolo County and portions of Placer and El Dorado Counties. Therefore,

projects implemented as part of the Yolo County SWRP are likely to directly impact SWRP efforts in the neighboring American River Basin SWRP area.

The Yolo County SWRP area is bounded to the north by North Sacramento Valley IRWM Region. In this Region, are two SWRP efforts: The City of Chico SWRP and the City of Redding SWRP. Both of these planning areas drain into the Sacramento River; therefore the Yolo County SWRP will coordinate with the two North Sacramento Valley Region SWRPs when appropriate.

1.1.1.2 Storm Water Management Plans

Five agencies within the SWRP area are included in the National Pollutant Discharge Elimination System (NPDES) Phase 2 Municipal Separate Storm Sewer System (MS4) permit:

- City of Davis
- University of California, Davis
- City of West Sacramento
- City of Woodland
- Yolo County

These agencies are each required to maintain an individual storm water management plan (SWMP) documenting their approach to local storm water management for compliance with the MS4 permit. Further discussion on how these agencies are complying with their individual storm water permits is provided in Section 3: Water Quality Compliance.

1.1.1.3 Concurrent Studies

There are currently two grant-funded projects underway in or near the SWRP area:

1. A project funded through the EPA's Brownfields Assessment Program and led by the Westside IRWM will involve investigating abandoned mercury mines in the Cache and Putah Creek watersheds and developing remediation plans for sites that pose the greatest threat to water quality. This project may help elucidate and mitigate upstream contamination sources outside of the SWRP area that could facilitate meeting the Total Mass Daily Load (TMDL) for mercury within the planning area. Work on the project commenced in early 2016, and a report on brownfields is expected to be available in early 2017.

2. A project funded by the Watershed Restoration and Delta Water Quality and Ecosystem Restoration Grant Programs will involve collecting streamflow data in multiple tributaries to the Yolo Bypass region. The project team includes UC Davis faculty, as well as two local consulting firms with experience in environmental compliance and watershed-scale environmental management. This study will provide useful data to support hydrologic modelling of this portion of the SWRP area.

1.2 SWRP Objectives

The SWRP Guidelines (p. 17) include several mentions of the need for storm water management objectives as follows:

"Storm water management on a watershed basis provides for a combination of storm water management objectives and multiple benefits throughout the watershed or sub-watershed. Therefore, the Plan should discuss how the **various storm water management objectives** within the watershed will protect or improve water quality, water supply reliability, and/or achieve other objectives. The Plan should include a discussion of the added benefits to integration of multiple storm water management strategies, as compared to stand-alone projects.

The Plan must discuss how its objectives and projects fit into the broader water management goals of the applicable IRWM plan. For the purposes of receiving project implementation funding, submittal of a Storm Water Resource Plan to the applicable IRWM group (for further incorporation into an existing IRWM plan) fulfills the public agency's requirement for "incorporation." However, the State Water Board recognizes that further collaboration and coordination with other agencies within the IRWM group is essential for long-term incorporation."

This portion of the plan describes the development of SWRP objectives and their relationship to the Westside IRWM Plan objectives. One of the key elements of SWRP projects is that they provide multiple-benefits; therefore, acknowledgement of these multiple benefits is important to establishment of SWRP objectives. Potential storm water benefits include:

1. creation and restoration of wetlands,
2. riverside [riparian] habitats,
3. instream flows,
4. increase in park and recreation lands,
5. urban green space,
6. augments recreation opportunities for communities,
7. increases tree canopy,
8. reduces heat island effect,
9. improves air quality,
10. maximizes water quality,
11. maximizes water supply,
12. maximizes flood management,
13. maximizes environmental benefits, and
14. maximizes other community benefits.

1.2.1 Westside IRWM Plan Objectives

According to Water Code section 79743, the projects implemented as a result of the SWRP should also address the priorities of the local regional water management group. The Westside IRWM Plan was developed based on the Integrated Regional Water Management Guidelines for Proposition 84 and 1E, and includes 24 objectives related to water management, as described in Westside IRWM Plan Section 6.4 (page 6-4 to 6-18, Westside IRWM 2013). The Westside IRWM Plan goals and objectives were identified as the major water resource issues in the region and as such, also reflect water resource management values and overall priorities for the Yolo County SWRP area. Therefore, it is natural that the Yolo County SWRP utilizes the Westside IRWM Plan goals and objectives to further define the storm water management strategies that meet the SWRP Objectives.

1.2.1.1 Basin Plan Objectives Relevant to Storm Water

The Sacramento and San Joaquin River Basins Plan is the water quality control plan formulated and adopted by the Regional Water Quality Control Board for the Central Valley region (Central Valley RWQCB), which regulates water quality in the Westside IRWM region. The objective of the Basin

Plan is to show how the quality of the surface and ground waters in the Central Valley Region should be managed to provide the highest water quality reasonably possible. The Basin Plan lists various water uses (Beneficial Uses), describes the water quality which must be maintained to allow those uses (Water Quality Objectives), and outlines an implementation plan for achieving those standards.

The objectives for the Westside IRWM region include meeting the water quality standards outlined in the Central Valley Basin Plan, and are consistent with the overarching planning goals promulgated by the Central Valley RWQCB.

1.2.2 Yolo County SWRP Objectives

The Yolo County SWRP Objectives incorporate all 24 Westside IRWM Plan Objectives, as well as three additional objectives specific to storm water management that will be adopted by the Westside WRA:

- Objective 25. Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects.
- Objective 26. Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.
- Objective 27. Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.

Appendix B presents a detailed table that shows the relationship between the Westside IRWM Plan objectives, objectives identified by the Water Code (page 9, SWRP Guidelines), and SWRP Guideline Objectives. The SWRP Objectives will be considered in the prioritization and selection of projects in Section 5.

See Handout #1 for App B Content

The Yolo County SWRP Objectives will be used to achieve the following Benefit Categories:

- Water Quality
- Water Supply
- Flood Management
- Environmental
- Community

The following sections summarize the SWRP objectives and possible combination of strategies that will result in multiple storm water benefits. Projects that result in multiple tangible and intangible storm water benefits minimize the resources needed to achieve these benefits, while maximizing the effective area of benefits. As described in the sections below, many of the SWRP Objectives will result in multiple benefits that were identified by the State Water Board; this SWRP prioritizes projects that employ multiple storm water management strategies and/or can achieve multiple benefits. A discussion of how SWRP Objectives relate to individual projects is included in Section 5.2.

1.2.2.1 Water Quality Benefit Category

The main benefit of the Water Quality (WQ) Benefit Category is increased filtration and/or treatment of runoff. There are nine SWRP Objectives, found in the adjacent table, that result in water quality benefits. Of these, eight can contribute to at least one additional Benefit Category:

- WQ.1 can result in environmental benefits in addition to water quality benefits.
- WQ.2 can result in water supply benefits in addition to water quality benefits.
- WQ.3 can result in flood management and environmental benefits in addition to water quality benefits.
- WQ.4 can result in environmental and community benefits in addition to water quality benefit category.
- WQ.5 can result in water supply and community benefits in addition to water quality benefits.
- WQ.6 can result in water supply, environmental, and community benefits in addition to water quality benefits.
- WQ.8 can result in water supply and flood management benefits in water quality benefits.
- WQ.9 can result in water supply and flood management benefits in addition to water quality benefits.

Benefits	Yolo County Storm Water Resource Plan Water Quality (WQ) Objectives
Improving water quality while contributing to compliance with applicable permit and/or TMDL requirements <u>Main Benefit:</u> ■ Improved storm water quality through increased filtration and/or treatment of runoff <u>Secondary Benefits:</u> ■ Nonpoint source pollution control ■ Reestablish natural water drainage and treatment	WQ.1* Restore native vegetation/form/function along riparian/aquatic corridors
	WQ.2* Increase adoption of agricultural Best Management Practices
	WQ.3* Manage watershed activities to reduce large erosion events
	WQ.4* Monitor state/federal Delta programs
	WQ.5* Monitor conditions/improve understanding to support sustainable groundwater basins
	WQ.6* Maintain/enhance watershed and natural resource monitoring network and information sharing
	WQ.7 Address pollutant sources to meet runoff standards and Total Maximum Daily Load (TMDL) targets
	WQ.8* Reduce public health risks by reducing contaminants in drinking water sources
	WQ.9* Meet all drinking water and wastewater discharge standards

* This Storm Water Management Objective can achieve multiple benefits as noted above.

1.2.2.2 Water Supply Benefit Category

The main benefits of the Water Supply (WS) Benefit Category is improved water supply reliability and conjunctive use. There are 11 SWRP Objectives, found in the table below, that result in water supply benefits. Of these, seven can contribute to at least one additional Benefit Category:

- WS.3 can result in water quality and community benefits in addition to water supply benefits.
- WS.4 can result in water quality, environmental, and community benefits in addition to water supply benefits.
- WS.5 can result in water quality, environmental, and community benefits in addition to water supply benefits.
- WS.6 can result in water quality and flood management benefits in addition to water supply benefits.
- WS.7 can result in water quality and flood management benefits in addition to water supply benefits.

- WS. 10 can result in flood management benefits in addition to water supply benefits.
- WS. 11 can result in flood management benefits in addition to water supply benefits.

Benefits	Yolo County Storm Water Resource Plan Water Supply (WS) Objectives
<p>Water supply improvements through groundwater management and/or runoff capture and use</p> <p>Main Benefit:</p> <ul style="list-style-type: none"> ■ Water supply reliability ■ Conjunctive use <p>Secondary Benefit:</p> <ul style="list-style-type: none"> ■ Water conservation 	WS.1 Create asset management plan for key water management infrastructure
	WS.2 Meet 20% by 2020 conservation targets
	WS.3* Increase adoption of agricultural Best Management Practices
	WS.4* Monitor conditions/improve understanding to support sustainable groundwater basins
	WS.5* Maintain/enhance watershed and natural resource monitoring network and information sharing
	WS.6* Reduce public health risks by reducing contaminants in drinking water sources
	WS.7* Meet all drinking water and wastewater discharge standards
	WS.8 Provide 100% reliability of municipal and industrial water supplies
	WS.9 Provide agricultural water supplies to support a robust agricultural industry
	WS.10* Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.
	WS.11* Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.

* This Storm Water Management Objective can achieve multiple benefits as noted above.

1.2.2.3 Flood Management Benefit Category

The main benefit of the Flood Management (FM) Benefit Category is decreased flood risk by reducing runoff rate and/or volume. There are seven SWRP Objectives, found in the adjacent table, that result in flood management benefits. Of these, five can contribute to at least one additional Benefit Category:

- FM.2 can result in water quality benefits in addition to flood management benefits.
- FM.4 can result in water quality and water supply benefits in addition to flood management benefits.

- FM.5 can result in water quality and water supply benefits in addition to flood management benefits.
- FM.6 can result in water supply benefits in addition to flood management benefits.
- FM.7 can result in water supply benefits in addition to flood management benefits.

Benefits	Yolo County Storm Water Resource Plan Flood Management (FM) Objectives
<p>Main Benefit:</p> <ul style="list-style-type: none"> ■ Decreased flood risk by reducing runoff rate and/or volume <p>Secondary Benefit:</p> <ul style="list-style-type: none"> ■ Reduced sanitary sewer overflows 	FM.1 Provide adequate flood protection
	FM.2* Manage watershed activities to reduce large erosion events
	FM.3 Minimize accidental wastewater spillage/discharges
	FM.4* Reduce public health risks by reducing contaminants in drinking water sources
	FM.5* Meet all drinking water and wastewater discharge standards
	FM.6* Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events
	FM.7* Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water

* This Storm Water Management Objective can achieve multiple benefits as noted above.

1.2.2.4 Environmental Benefit Category

The main benefit of the Environmental (EN) Benefit Category is environmental and habitat protection and improved and increased urban green space. There are 11 SWRP Objectives, found in the table below, that result in environmental benefits. Of these, five can contribute to at least one additional Benefit Category:

- EN.1 can result in water quality benefits in addition to environmental benefits.
- EN.8 can result in water quality and flood management benefits in addition to environmental benefits.
- EN.9 can result in water supply and community benefits in addition to environmental benefits.

- EN.10 can result in water quality, water supply, and community benefits in addition to environmental benefits.
- EN.11 can result in community benefits in addition to environmental benefits.

Benefits	Yolo County Storm Water Resource Plan Environmental (EN) Objectives
<p>Main Benefit:</p> <ul style="list-style-type: none"> ■ Environmental and habitat protection and improvement, including; <ul style="list-style-type: none"> ● wetland enhancement/creation; ● riparian enhancement; and/or ● instream flow improvement ■ Increased urban green space <p>Secondary Benefit:</p> <ul style="list-style-type: none"> ■ Reduce energy use, greenhouse gas emissions, or provide a carbon sink ■ Reestablish of the natural hydrograph ■ Water temperature improvements 	<p>EN.1* Restore native vegetation/form/function along riparian/aquatic corridors</p>
	<p>EN.2 Quantify the extent of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish</p>
	<p>EN.3 Prioritize/plan/schedule improvements to suitable life-cycle habitat for T/E/I native fish</p>
	<p>EN.4 Increase availability of suitable life-cycle habitat for Threatened/Endangered/Imperiled native fish identified</p>
	<p>EN.5 Prevent colonization by quagga mussels/zebra mussels and eliminate/prevent spread of New Zealand mud snails</p>
	<p>EN.6 Establish invasive plant management plan</p>
	<p>EN.7 Implement invasive plant management plan</p>
	<p>EN.8* Manage watershed activities to reduce large erosion events</p>
	<p>EN.9* Monitor state/federal Delta programs</p>
	<p>EN.10* Maintain/enhance watershed and natural resource monitoring network and information sharing</p>
	<p>EN.11* Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects</p>

* This Storm Water Management Objective can achieve multiple benefits as noted above.

1.2.2.5 Community Benefit Category

The main benefit of the Community (CO) Benefit Category is employment opportunities provided and public education. There are seven SWRP Objectives, found in the table below, that result in community benefits. Of these, four can contribute to at least one additional Benefit Category:

- CO.4 can result in water quality and environmental benefits in addition to community benefits.

- CO.5 can result in water quality and water supply benefits in addition to community benefits.
- CO.6 can result in water quality, water supply, and environmental benefits in addition to community benefits.
- CO.7 can result in environmental benefits in addition to community benefits.

Benefits	Yolo County Storm Water Resource Plan Community (CO) Objectives
<p>Main Benefit:</p> <ul style="list-style-type: none"> ■ Employment opportunities provided ■ Public education <p>Secondary Benefit:</p> <ul style="list-style-type: none"> ■ Community involvement ■ Enhance and/or create recreational and public use areas 	<p>CO.1 Provide and promote use of educational curricula for K-12 students</p>
	<p>CO.2 Provide educational information to encourage stewardship by public</p>
	<p>CO.3 Maintain and increase water-related recreational opportunities</p>
	<p>CO.4* Monitor state/federal Delta programs</p>
	<p>CO.5* Monitor conditions/improve understanding to support sustainable groundwater basins</p>
	<p>CO.6* Maintain/enhance watershed and natural resource monitoring network and information sharing</p>
	<p>CO.7* Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects</p>

* This Storm Water Management Objective can achieve multiple benefits as noted above.

1.3 Plan Organization

This SWRP is divided into the following sections as outlined below:

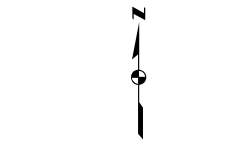
- Section 1 – Introduction and SWRP Objectives: provides an overview of the document and identifies the storm water management objectives of this SWRP.
- Section 2 – Watershed Identification: identifies the SWRP boundary and watersheds within the planning area.
- Section 3 – Water Quality Compliance: identifies water quality issues within the major watersheds, including pollutants identified on the 303(d) list of impaired water bodies or with relevant TMDLs. This section also includes discussion of the SWRP in relation to applicable TMDL Implementation Plans (IPs) and MS4 Permits.

- Section 4 – Organization, Coordination, and Collaboration: describes the community engagement process that occurred during plan development, including identification of stakeholders, an overview of the existing Westside IRWM group, and the mechanisms used to engage stakeholders and the public in plan development.
- Section 5 – Identification and Prioritization of Projects: includes a list of previously identified projects, the process of site selection and development of SWRP projects, conceptual designs for each SWRP project, the methodology and results for quantification of water supply and water quality benefits of proposed projects, and prioritization of both SWRP and previously identified projects.
- Section 6 – Implementation Strategy and Schedule: outlines programs to assist in implementation of strategies identified in this SWRP, including community outreach during project development. This section also discusses how current monitoring required by the MS4 Permits will be utilized as part of the adaptive management process, in addition to a general schedule of SWRP milestones.
- Section 7 – Education, Outreach and Public Participation.
- Section 8 – References.

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- Legend**
- Cities
 - County Boundaries
 - ▭ Yolo County SWRP Boundary
 - ▭ Westside Region
 - ~ Streams
 - ☁ Water Bodies
 - ▭ Neighboring IRWM Regions



Kennedy/Jenks Consultants
**Storm Water Resource Plan
 For Yolo County**

**YOLO COUNTY SWRP AND
 NEIGHBORING IRWM REGIONS**

K/J 1770002.00
 May 2017

Figure 1-1

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Project Information Form

SWRP Projects Addendum

The Yolo WRA is accepting suggestions for projects for inclusion in the Yolo Storm Water Resource Plan (SWRP). Projects submitted for consideration should contribute to the attainment of the IRWM Plan and SWRP Objectives. To have your project considered for inclusion, please complete this project information form in its entirety and submit the completed form by July 28, 2017 to Kristin Sicke (ksicke@ycfcwcd.org).

Please provide information in the tables below:

I. Land Availability

a. Is the project located on lands with Public ownership? _____

b. Have easements and/or all required land use agreements been obtained or are pending? _____

c. Describe how this project will result in immediate or downstream surface water quality benefit to Putah Creek _____

II. SWRP Objectives

Please mark (x) the SWRP Objectives that apply to the proposed project (choose all that apply).

_____ Convert paved and/or impervious areas and increase tree canopy and vegetation, reducing urban heat island effects.

_____ Optimize the rural storm water conveyance system to drain and retain storm water flows as necessary. Provide proper rural drainage and keep conveyance systems clear of debris to minimize county road flooding during storm events.

_____ Enable proper rural retention and modify rural landscape to maximize groundwater recharge of excess storm water.

III. SWRP Guideline Benefit Categories

Please mark (x) all the project benefit categories that apply and provide a brief explanation. Suggested benefit descriptions are included in the SWRP Guidelines Tables 3 and 4.

Main Benefit	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Water Quality – Increased filtration and/or treatment of runoff			
Water Supply – Water supply reliability			
Water Supply – Conjunctive use			

Main Benefit	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Flood Management – Decreased flood risk by reducing runoff rate and/or volume			
Environmental – Environmental and habitat protection and improvement			
Environmental – Increased urban green space			
Community – Employment opportunities provided			
Community – Public education			

Secondary Benefit	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Water Quality – Nonpoint source pollutant control			
Water Quality – Reestablished natural water drainage and treatment			
Water Supply – Water conservation			
Flood Management – Reduced sanitary sewer overflows			
Environmental – Reduced energy use, greenhouse gas emissions, or provides a carbon sink			
Environmental – Reestablishment of the natural hydrograph			
Environmental – Water temperature improvements			

Secondary Benefit	x	Brief Explanation of Benefit	Quantification (e.g. acre---feet of water supplied, acres of habitat restored)
Community – Community involvement			
Community – Enhance and/or create recreational and public use areas			



Project Information Form

The Westside Region is accepting suggestions for projects for inclusion in the Westside Integrated Regional Water Management (IRWM) Plan. Projects submitted for consideration should contribute to the attainment of the IRWM Plan Goals and Objectives. To have your project considered for inclusion, please complete this project information form in its entirety and submit the completed form to info@westsideirwm.com.

Please provide information in the tables below:

I. Project Proponent Information

Lead Agency/ Organization	
Name of Primary Contact	
Mailing Address	
E-mail	
Phone (###)###-####	
Other Cooperating Agencies/Organizations	
Is your agency committed to the project through completion? If not, please explain	

II. General Project Information

Project Title	
Project Description (Briefly describe the project, in 300 words or less.)	

Project Location:	
Latitude:	
Longitude:	
Can you provide a map of the project location including boundaries upon request?	<input type="checkbox"/> Yes <input type="checkbox"/> N/A <input type="checkbox"/> No
Project Location Description:	
County:	
City/Community:	
Watershed:	
Groundwater Basin:	
Planning Area:	
Additional Comments:	
Project Status (Check only one)	<input type="checkbox"/> Conceptual <input type="checkbox"/> Planning <input type="checkbox"/> CEQA/NEPA <input type="checkbox"/> Permitting <input type="checkbox"/> Design <input type="checkbox"/> Construction/Implementation <input type="checkbox"/> Study/Other <input type="checkbox"/> Maintenance/Monitoring
Earliest expected start date (mm/dd/yr)	

III. Plan Goals/Objectives Addressed

For each of the goals/objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective. Information related to the proposed goals and objectives can be found at www.westsideirw.com/irwmplan. If the project does not address any of the draft IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the region.

Goal(s) that the Project will contribute to:	
Objective(s) that the Project will help accomplish:	

<p>Explanation of Project linkage to goals and objectives</p>	
<p>How will the project be measured to ensure the goals and objectives are being fulfilled?</p>	

IV. Resource Management Strategies

For each resource management strategy employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the Resource Management Strategies can be found in Volume 2 of the 2009 California Water Plan here: <http://www.waterplan.water.ca.gov/cwpu2009/index.cfm>

Reduce Water Demand	
Agricultural Water Use Efficiency	
Urban Water Use Efficiency	
Improve Operational Efficiency and Transfers	
Conveyance - Delta	
Conveyance - Regional / local	
System Reoperation	
Water Transfers	
Increase Water Supply	
Conjunctive Management & Groundwater	
Desalination	
Precipitation Enhancement	
Recycled Municipal Water	
Surface Storage -- CALFED	
Surface Storage -- Regional / Local	

Improve Water Quality	
Drinking Water Treatment and Distribution	
Groundwater and Aquifer Remediation	
Matching Water Quality to Use	
Pollution Prevention	
Salt and Salinity Management	
Urban Runoff Management	
Practice Resources Stewardship	
Agricultural Lands Stewardship	
Economic Incentives (Loans, Grants, and Water Pricing)	
Ecosystem Restoration	
Forest Management	
Land Use Planning and Management	
Recharge Areas Protection	
Water-dependent Recreation	
Watershed Management	
Improve Flood Management	
Flood Risk Management	

V. Project Impacts and Benefits

Please select all the project benefit categories that apply and provide a brief explanation. If the project benefits do not fit any of the listed categories, please explain in the box below. Suggested benefit descriptions are included in the Project Information Form instructions sheet.

Benefit Categories:		Brief Explanation of Selected Benefits	Quantification (e.g. acre-feet of water supplied, acres of habitat restored)
Increase Water Supply			
Improve Water Quality			
Groundwater Improvements			
Water Conservation and Reuse	<input type="checkbox"/>		

Watershed Rehabilitation	<input type="checkbox"/>		
Habitat Improvements	<input type="checkbox"/>		
Flood Management	<input type="checkbox"/>		

Other Benefits:

Please provide a summary of the expected project benefits and impacts in the table below.

a. Describe any expected impacts of the project	
b. If applicable, describe benefits or impacts of the project with respect to Native American Tribal Community considerations.	
c. If applicable, describe benefits or impacts of the project with respect to Disadvantaged Communities*.	
d. If applicable, describe benefits or impacts of the project with respect to Environmental Justice ** considerations.	

<p>e. If applicable, describe how the project assists the region in adapting to effects of climate change.</p>	
<p>f. If applicable, describe the generation or reduction of greenhouse gas emissions associated with the project.</p>	

*A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. A map identifying DACs in the Westside Region is available at www.westsideirwm.com.

** Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies.

VI. Statewide Program Preferences and Priorities

Please select the Program Preferences and Statewide Priorities that apply to the proposed project (choose all that apply).

Program Preferences

- Include regional projects or programs (CWC §10544)
- Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality Control Board (RWQCB) region or subdivision; or other region or sub-region specifically identified by DWR
- Effectively resolve significant water-related conflicts within or between regions
- Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program
- Address critical water supply or water quality needs of disadvantaged communities within the region
- Effectively integrate water management with land use planning
- For eligible SWFM funding, projects which: a) are not receiving State funding for flood control or flood prevention projects pursuant to PRC §5096.824 or §75034 or b) provide multiple benefits, including, but not limited to, water quality improvements, ecosystem benefits, reduction of instream erosion and sedimentation, and groundwater recharge.

Statewide Priorities

Drought Preparedness

- Promote water conservation, conjunctive use, reuse and recycling
- Improve landscape and agricultural irrigation efficiencies
- Achieve long term reduction of water use
- Efficient groundwater basin management
- System inerties

Use and Reuse Water More Efficiently

- Increase urban and agricultural water use efficiency measures such as conservation and recycling
- Capture, store, treat, and use urban stormwater runoff (such as percolation to usable aquifers, underground storage beneath parks, small surface basins, domestic stormwater capture systems, or the creation of catch basins or sumps downhill of development)
- Incorporate and implement low impact development (LID) design features, techniques, and practices to reduce or eliminate stormwater runoff

Climate Change Response Actions

- Adaptation to Climate Change: Advance and expand conjunctive management of multiple water supply sources
- Adaptation to Climate Change: Use and reuse water more efficiently
- Adaptation to Climate Change: Water management system modifications that address anticipated climate
 - Adaptation to Climate Change: Establish migration corridors, re-establish river-floodplain hydrologic continuity, re-introduce anadromous fish populations to upper watersheds, enhance and protect upper watershed forests and meadow systems
- Reduction of Greenhouse Gas (GHG) Emissions: Reduce energy consumption of water systems and uses
- Reduction of Greenhouse Gas (GHG) Emissions: Use cleaner energy sources to move and treat water
- Reduce Energy Consumption: Water use efficiency
- Reduce Energy Consumption: Water recycling
- Reduce Energy Consumption: Water system energy efficiency

Expand Environmental Stewardship

- Expand Environmental Stewardship to protect and enhance the environment by improving watershed, floodplain, and instream functions and to sustain water and flood management

ecosystems.

Practice Integrated Flood Management

- Better emergency preparedness and response
- Improved flood protection
- More sustainable flood and water management systems
- Enhanced floodplain ecosystems
- LID techniques that store and infiltrate runoff while protecting groundwater

Protect Surface Water and Groundwater Quality

- Protecting and restoring surface water and groundwater quality to safeguard public and environmental health and secure water supplies for beneficial uses
- Salt/nutrient management planning as a components of an IRWM Plan

Improve Tribal Water and Natural Resources

- Improve Tribal Water and Natural Resources and include the development of Tribal consultation, collaboration, and access to funding for water programs.

Ensure Equitable Distribution of Benefits

- Increase the participation of small and disadvantaged communities in the IRWM process.
- Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations.
- Contain projects that address safe drinking water and wastewater treatment needs of DACs.
- Address critical water supply or water quality needs of California Native American Tribes within the region.

VII. Project Cost and Financing

Please provide any estimates of project cost, sources of funding, and operation and maintenance costs as well as the source of the project cost in the table below.

a. Project Costs		
1. Capital (2014 Dollars)		
2. Annual Operations and Maintenance (O&M)		
b. List secured source(s) of funding	Source(s)	Amount

c. List proposed source(s) of funding and certainty of the sources.		
d. For capital projects, explain how operation and maintenance costs will be financed.		
e. Basis for project cost		
f. Can a detailed cost estimate be provided upon request?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

VIII. Project Status and Schedule

Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage.

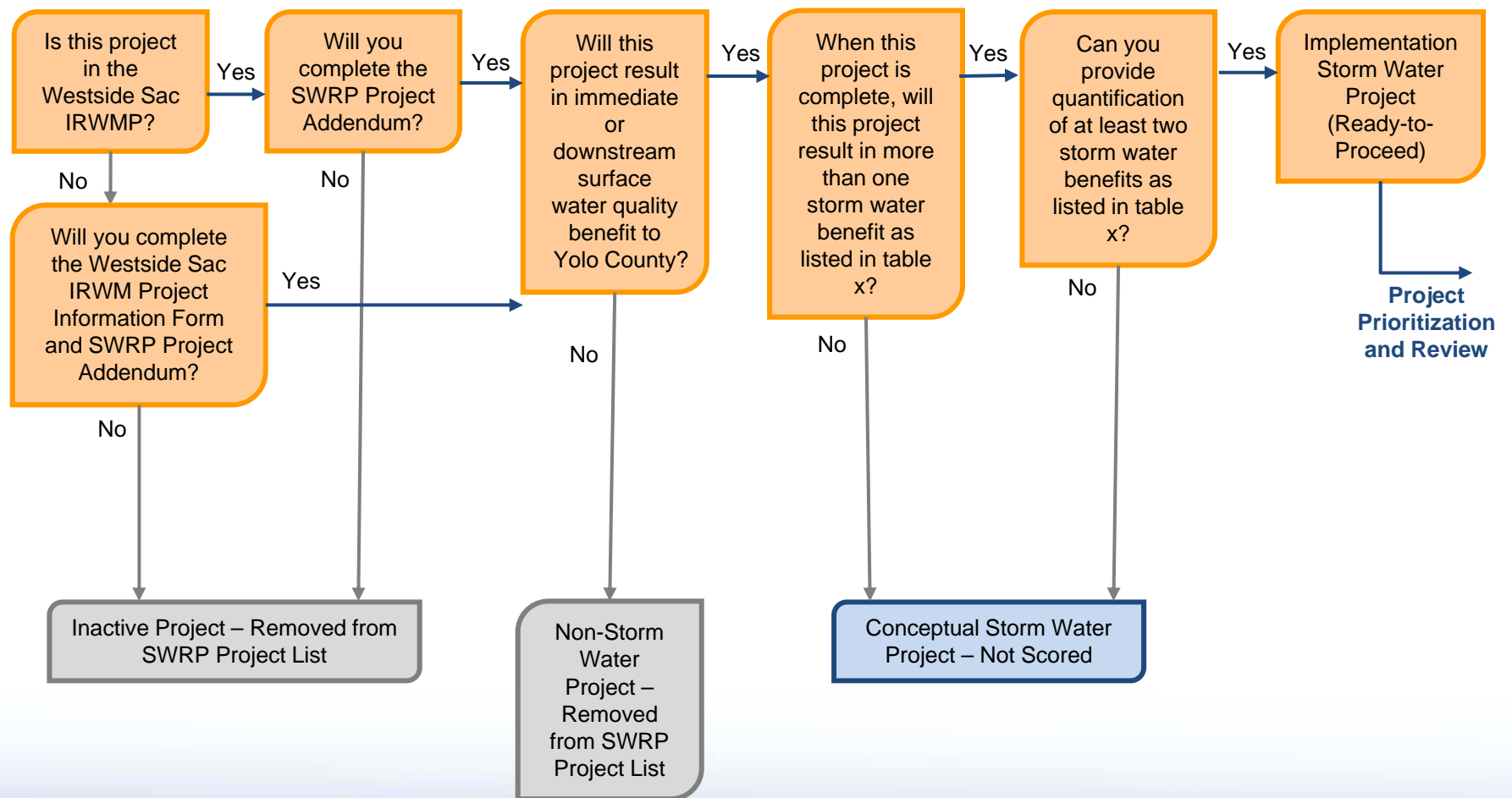
Project Stage	Description of Activities in Each Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
a. Conceptual			
b. Planning			
c. Environmental Documentation (CEQA/NEPA)			
d. Permitting			
e. Tribal Consultation			
f. Design			
g. Construction/Implementation			

IX. Project Technical Feasibility

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project.

<p>a. List water planning documents that specifically identify this project.</p>	
<p>b. List the adopted planning documents the proposed project is consistent with (e.g. General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)</p>	
<p>c. List technical reports and studies supporting the feasibility of this project.</p>	
<p>d. If you are an Urban Water Supplier:</p>	
<p>1. Have you completed an Urban Water Management Plan and submitted to DWR?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>2. Are you in compliance with AB1420?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>3. Do you comply with the water meter requirements (CWC §525)</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>4. If the answer to any of the questions above is “no”, do you intend to comply prior to receiving Project funding</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>e. If you are an Agricultural Water Supplier:</p>	
<p>1. Have you completed and submitted an AWMP (due 12/31/12)?</p>	<p><input type="checkbox"/> Yes No <input type="checkbox"/> N/A</p>
<p>2. If not, will you complete and submit an AWMP prior to receiving project funding?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>f. If the project is related to groundwater:</p>	
<p>1. Has a GWMP been completed and submitted for the subject basin?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>
<p>2. If not will a GWMP be completed within 1 year of the grant submittal date?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>

Project Review



Project Prioritization and Ranking

Scoring Category 1: Project Funding and Land Availability (80 points maximum)

Permanent Funding to achieve benefit? (40 points)

Project located on lands with Public ownership or easements/land purchase agreements obtained? (40 points)



Scoring Category 2: SWRP Multiple Benefits Analysis (50 points maximum)

No. of SWRP Main Benefits Met (4 points per benefit)

No. of SWRP Secondary Benefits Met (2 points per benefit)

Scoring Category 3: SWRP Quantitative Benefit Metrics Analysis (120 points maximum)

One or more benefit metric identified (30 points)

One or more benefit metric quantified (30 points)

One benefit metric quantified with significant storm water impact (30 points)

Multiple benefit metrics quantified with significant storm water impact (30 points)



SWRP Project Score (250 points maximum)