

Agenda



- SWRP Background
- SWRP Public Draft Overview
- How to Participate
- Next Steps

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SWRP Developed by...



- Lead agency: Stanislaus County • Technical Advisory Committee

 - IeCRNICal AdVISOry Con Stanislaus County City of Modesto City of Modesto City of Patterson City of Turlock Eastside Water District Tuolumne River Trust River Patterson

 - River Partners
 State Water Resources Control Board

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Stanislaus Multi-Agency Regional Storm Water Resource Plan

- Stanislaus County was awarded SWRCB Prop 1 grant funding to complete a Storm Water Resource Plan (SWRP) in time for 2019 implementation grant funding solicitation.
- This SWRP is required to receive state grant funding for stormwater and dry weather runoff capture projects



ER RESOURCES CONTROL BOAR Water Boards

Major SWRP Requirements Watershed/Planning Area Identification n Water Resource Plan Water Quality Compliance Organization, Coordination, Collaboration Guidelines Quantitative Methods Identification and Prioritization of Projects Implementation Strategy and Schedule -

- Education, Outreach, Public Participation



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Gran	t Project Tasks
	Task 1: Project Management
	Task 2: Monitoring
	Task 3: Technical Advisory Committee
	Task 4: Data Collection and Watershed Identification
	Task 5: Storm Water Resource Plan Development
	Task 6: Technical Studies to Support Development of SWRP
	Task 7: Stakeholder Outreach, Education, and Public Participation
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SWRP Sections	
Chapter	Guidelines Section
1. Introduction	-
2. Planning Area Description	Section VI.A
3. Water Quality Compliance	Section V
4. Organization, Coordination, Collaboration	Section VI.B
5. Quantitative Methods	Section VI.C
6. Identification and Prioritization of Projects	Section VI.D
7. Implementation Strategy and Schedule	Section VI.E
8. Education, Outreach, Public Participation	Section VI.F





• Provides context for SWRP

Includes CONTEXT for SWAP
 Includes SWRP purpose:

 Provide regional watershed-based planning to address challenges and opportunities for managing stormwater and dry weather runoff
 Identify and prioritize stormwater and dry weather runoff projects that provide multiple benefits to help achieve watershed and regional planning goals



Section 2: Planning Area Description







Watersheds

• 6 Watersheds

- Main Watersheds:
 - Middle San Joaquin Lower Merced Lower Stanislaus
 Panoche San Luis Reservoir

Other Watersheds

Upper Tuolumne, Upper Stanislaus, Upper Merced, Lower Calaveras – Mormon Slough





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Planning Area Description: Identify Watershed Priorities



- Implement water quality improvements to support TMDL goals
- Reduce pollutant discharges into 303(d) listed impaired water bodies
- Augment water supply by capturing stormwater or dry weather runoff for recharge into a groundwater basin (where feasible)
- Provide SWRP benefits to disadvantaged communities and economically distressed areas

Planning Area Description: Identify Water Quality Priorities

- Specific water quality priorities were also identified:

 Total Suspended Solids

 - Mercury / Methylmercury
 - Diazinon
 - Chlorpyrifos
 - Diuron
 - Total Nitrogen





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- Pollutant sources: agricultural and urban runoff
- NPDES Permits

 - Region-wide MS4 Permit

- TMDLs supported by the SWRP
 Sacramento-San Joaquin Delta Mercury TMDL
 Lower San Joaquin River Salt and Boron
 Sacramento-San Joaquin Delta Diazinon and Chlorpyrifos TMDL
 Central Valley Pesticide TMDL



Section 4: Organization, Coordination, Collaboration

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projects

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Quantitative Methods: Overview

Quantitative Methods chapter describes: • Metrics used for quantifying benefits

Benefit Category	Benefit	Quantitative Metrics		
Water Quality Benefits	Increased filtration and/or treatment of runoff	Average annual pollutant load reduction (uni varies by pollutant) Volume of water treated (mgd) Volume of runoff infiltrated (AFY)		
Water Supply Benefits	Water supply reliability	 Increase in water supply through direct groundwater recharge (AFY) Increase in water supply through direct use (AFY) 		
	Conjunctive use	 Increase in water supply through in lieu recharge/conjunctive use (AFY) 		
Flood Management Benefits Environmental Benefits	Decreased flood risk by reducing runoff rate and/or volume	Reduction in peak flow discharge (cfs) Reduction in volume of potential flood water (AFY)		
	Environmental habitat protection and improvement, including wetland enhancement/creation, riparian enhancement, and/or instream flow improvement	Size of habitat protected or improved (acres) Amount of instream flow rate improvement (cfs)		
	Increased urban green space	 Size of increase in urban green space (acres) 		
	Employment opportunities provided	 Number of employment opportunities provided 		
Community Benefits	Public education	 Number of outreach materials provided, or events conducted 		

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Quantitative Quantitative Met • Quantitative providing e	hods cha e informa ach bene	nods: O pter also c ation for pi fit, aggreg	vervie lescribes: rojects in lated quar	each be	ont.) nefit cate penefits, n	gory (num naps of pro	ber of pr	rojects itions)
SWRP Benefit	Benefit Type	Conceptual	Ready to Proceed	Total				
Increased filtration and/or treatment of runoff	Main	29	13	42	Water	For example:		
Nonpoint source	Additional	13	5	18	and Quantified Water Quality Benefits			
Reestablished natural water drainage and treatment	Additional	9	3	12				
		SWRP	Benefit			Conceptual	Ready to Proceed	Total
		Reduc	Reduction in TSS loading (lbs/yr)			204,100	750	204,850
		Trash	Trash removed (lbs/yr)			5,100	100	5,200
Vo			Volume of water treated (mgd)		510	10	520	
-		Volum	e of runoff i	nfiltrated	(AFY)	2,582	3,042	5,624



Quantitative Methods: Overview (cont.)



• Quantitative Methods chapter also describes: Existing technical studies

- Tools for quantitative assessment of benefits
 Data collection (conducted by project proponents in accordance with grant agreements, if applicable; Opti can also be used for data distribution)

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Identification and Prioritization of Projects: Project Prioritization Approach



- Eligible Projects receive credit for:
 - Providing SWRP Main Benefits and Additional Benefits
 Addressing regional watershed priorities identified in SWRP
 Progress towards project implementation

• Projects are prioritized based on points awarded to each project







Implementation Strategy and Schedule: Contents Overview



Implementing the SWRP consists of three main elements:

- 1. Completing the design, permitting and implementation of projects included in the SWRP
- Monitoring the benefits produced by the projects included in the SWRP to ensure that project goals are being met and that SWRP objectives are being advanced
- Evaluating the SWRP at regular intervals to assess cumulative progress toward meeting the SWRP objectives and adapting the plan as necessary to ensure that objectives continue to be met

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Section 8: Education, Outreach, Public Participation

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Education, Outreach, Public Participation: Contents Overview



- Community participation has occurred throughout SWRP development through outreach meetings
- Public engagement may occur via stakeholder/outreach meetings, email outreach, Opti, SWRP website, public comment periods
- Outreach will also occur as part of individual project implementation under CEQA/NEPA

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Technical Studies to Support SWRP

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Technical Study: Stormwater Capture/Groundwater Recharge Site Assessment

- Evaluated groundwater recharge sites using spatial data
- Identified highest-priority project locations
- Field testing for percolation
- studies Sites selected for percolation testing:
- Crows Landing
 Tuolumne River





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How to Participate

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Ways to Participate



- - Comments due by May 16, 2019
 Submit comments to Dhyan Gilton at Stanislaus County
 (209) 525-7538 or <u>giltond@stancounty.com</u>
 Draft available at <u>http://www.stancounty.com/publicworks/swrp/</u>
- Submit a project for future updates via the Opti site
- Sign up to receive SWRP announcements via email

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Next Steps



- Receive public comments through Thursday, May 16, 2019
- Incorporate public comments May and June, 2019
 Final Draft SWRP June 2019
 Final SWRP August 2019

- Storm Water Grant Program, Round 2 implementation grants anticipated July 2019 opening

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