



Russian River Storm Water Resource Plan Public Meeting

April 17, 2018





Welcome

AGENDA

- A. Introductions
- B. Background
- C. Overview of the SWRP Planning Grant
 - 1. Goals of the SWRP
 - 2. Roles and Responsibilities
- D. SWRP Development
 - 1. Project Solicitation
 - 2. Project Benefits
 - 3. Project Screening
 - 4. Weighting Evaluation Criteria
 - 5. Project Evaluation
 - 6. Bonus Scoring
- E. Prioritization Results
- F. Public Draft
- G. What's Next?



A. Introductions

- Housekeeping
- Handouts
 - Agenda
 - Project Benefits
 - Project Evaluation Criteria
 - PowerPoint Slides
 - Map of Projects
 - Status of Projects
 - Prioritized List of Projects
- Goals of meeting
 - Explain the SWRP
 - Get your input



B. Background

- Proposition 1 authorized \$7.5 billion in general obligation bonds for water projects including:
 - Surface and groundwater storage
 - Ecosystem and watershed protection and restoration
 - Drinking water protection
- Of the \$7.5 billion, Prop 1 provides \$200 million in grant funds for *multi-benefit storm water management projects*.



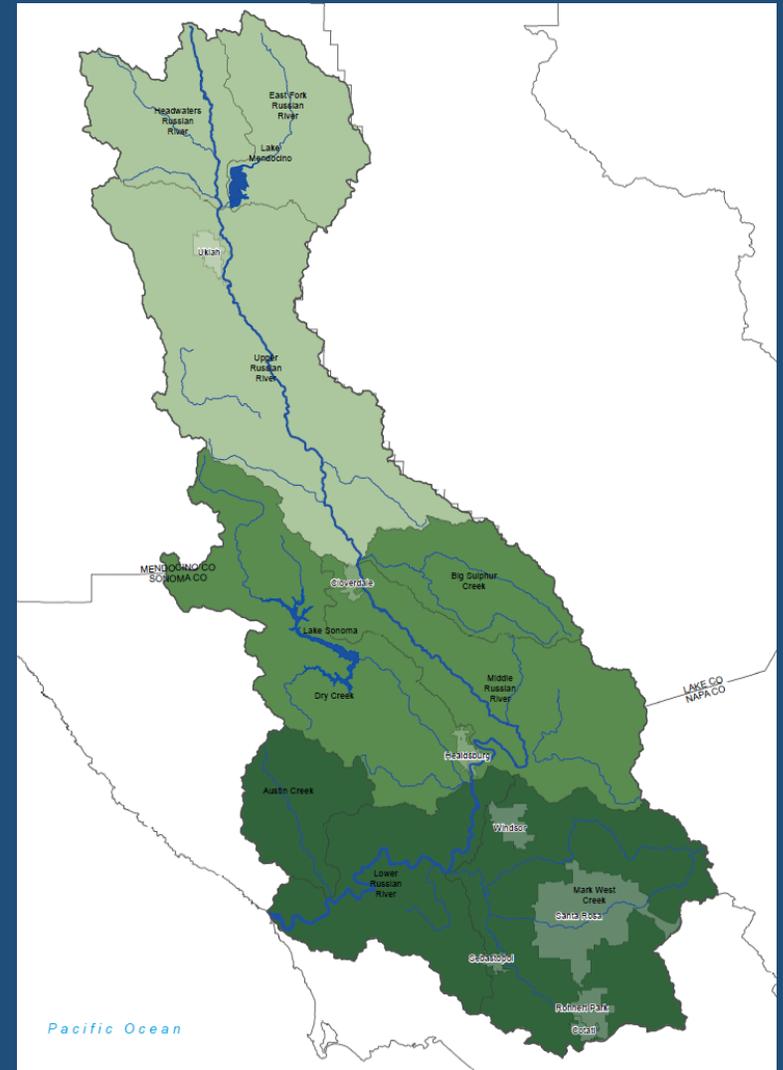
B. Background

- Storm Water Resource Plans are required to obtain future grant funds for storm water and dry weather capture projects
- SWRPs identify storm water project priorities on a watershed level and allow local proponents to submit included projects for future grant funding



C. Overview of the SWRP Grant

- \$500,000 grant awarded to Ukiah on behalf of the RRWA
- \$1.2M total effort, including local match efforts
- Identifies projects that capture and re-use storm water runoff to provide multiple benefits





C.1. Goals of the SWRP

Develop Initial Projects List

Screening

SWRP Projects

Evaluation Using Community Values

Prioritize

Projects

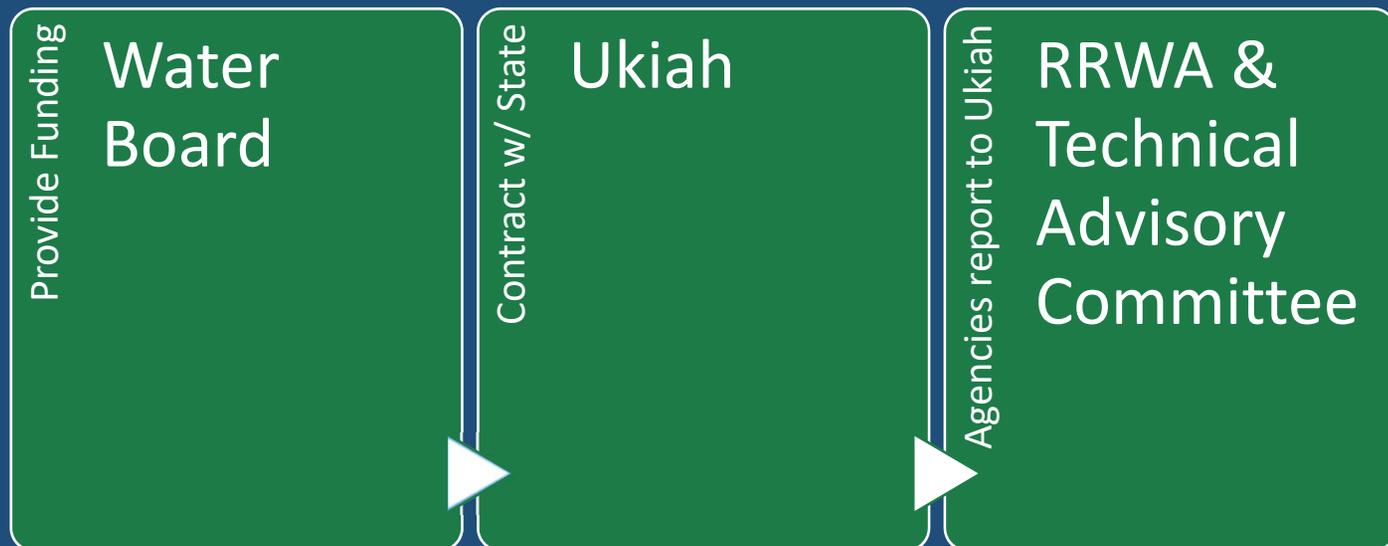
Future Grant
Funding

Bring more
funding to
the region



C.2. Roles and Responsibilities

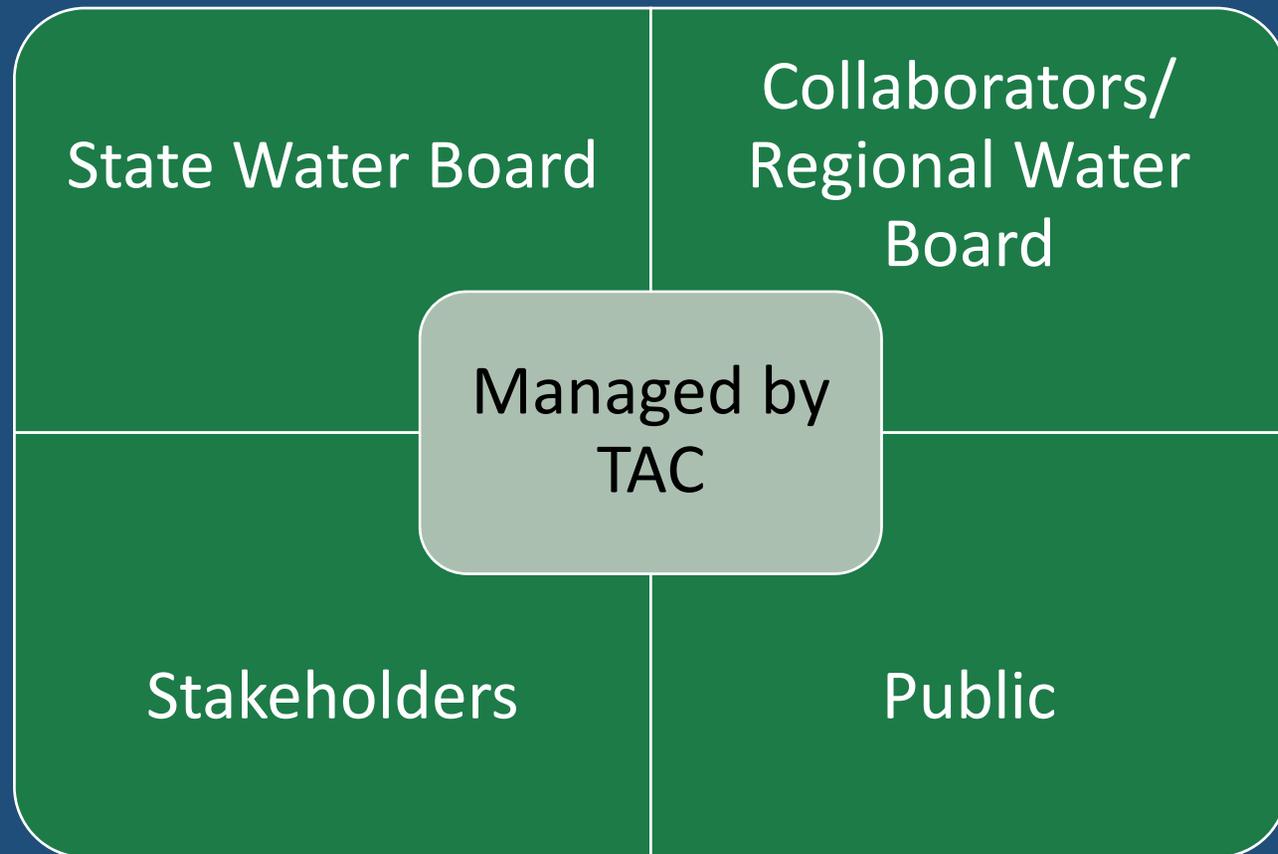
- Grant Management/Funding





C.2. Roles & Responsibilities

- SWRP Development





C.2. Roles and Responsibilities

The Role of the TAC

- Establish the watershed's priorities for various benefit types
- Solicit project ideas and data
- Identify methods for quantifying benefits
- Rank and prioritize projects for future implementation
- Prepare SWRP and supporting information
- Solicit Public Input



C.2. Roles and Responsibilities

Public & Stakeholder Input

- Provide input on regional priorities
- Recommend projects within the region
- Prepare information to support projects
- Review SWRP deliverables and comment



C.2. Roles and Responsibilities

Collaborators

- Provide input on regional priorities
- Recommend projects within the region
- Prepare information to support projects
- Prepare regional data (maps, GIS, studies)
- Provide regional planning documents for review
- Review SWRP deliverables and comment



D. SWRP Development

- Project Solicitation
- Project Benefits
- Project Screening
- Weighting Evaluation Criteria
- Project Evaluation
- Bonus Scoring



D.1. Project Solicitation

- For Prioritization: June 28, 2017 through September 29, 2017
 - RRWA Website
 - Public Meetings: June 26, 2017 & June 27, 2017
 - News Media
 - Event Outreach
 - Distribution of Flyers
 - Social Media
 - Stakeholder Outreach
- For Consideration in final SWRP: Ongoing through April 23, 2018
- For subsequent SWRP updates: Ongoing through NCRP

D.2. Project Benefits

Benefit Category	Main Benefit	Additional Benefit
	Projects Must Have At Least TWO	Projects Must Have At Least ONE
<p>Water Quality</p> <p>while contributing to compliance with applicable permit and/or TMDL requirements</p>	<p>Increased filtration and/or treatment of runoff</p>	<p>Nonpoint source pollution control</p> <p>Re-established natural water drainage and treatment</p>
<p>Water Supply</p> <p>through groundwater management and/or runoff capture and use</p>	<p>Water supply reliability</p> <p>Conjunctive use</p>	<p>Water conservation</p>
<p>Flood Management</p>	<p>Decreased flood risk by reducing runoff rate and/or volume</p>	<p>Reduced sanitary sewer overflows</p>
<p>Environmental</p>	<p>Environmental and habitat protection and improvement, including:</p> <ul style="list-style-type: none"> - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement 	<p>Reduced energy use, greenhouse gas emissions, or provides a carbon sink</p> <p>Reestablishment of the natural hydrograph</p>
<p>Community</p>	<p>Employment opportunities created</p> <p>Public education</p>	<p>Enhance and/or create recreational and public use areas</p>



D.3. Project Screening

- Project has a specific location within the Russian River watershed;
- Project has at least two main (quantified) benefits and one additional benefit;
- Project is legal and ethical in accordance with the *SWRP Guidelines*; and
- Project is located on available and suitable public lands or an agreement to place a project on private land will be executed prior to application for implementation funding.

D.4. Weighting Evaluation Criteria

Project Benefit Number	Project Benefit Type	Evaluation Criteria	Final Weightings by Watershed Sub-Region		
			Lower	Middle	Upper
Water Quality Indices					
M1 ^(a) (choose one)	Water Quality Enhancement	303(d) Metal Load Reduction	4.5	4	4.3
		303(d) Sediment Load Reduction	4	3.8	3.8
		303(d) Sediment Load Reduction by bank stabilization	3.3	3	3.2
		303(d) Coliform Load Reduction	3.3	3.7	3.1
		303(d) Diazinon Reduction	3.5	4	3.3
		303(d) Nitrogen or Phosphorous Reduction	3.5	3	4.3
		303(d) Improved Dissolved Oxygen	3.5	3	4.3
		303(d) Specific Conductivity Improvement	3.5	3	4.3
		Trash Capture Projection	4.5	3.7	4.2
A1	Non-Point Source Pollution Control	Includes Non-Point Source Pollution Control	2	2	2
A7	Water Temperature Improvement	303(d) Temperature Reduction	2.5	2.5	2.4
Water Supply Indices					
M2 ^(a)	Water Supply Reliability	Storage Volume, incl. Wetlands/Floodplains, Open Space	4.2	4.7	4.2
M3	Conjunctive Use	Groundwater Recharge	3.7	4.7	5
A3	Water Conservation	Reduced Water Use in Landscape	3.6	3.7	2.9
Flood Reduction Indices					
M4 ^(a) (choose one)	Decreased Flood Risk	Volume of Reduced/Captured Runoff	4.5	4.5	4.3
		Reduction in Peak Flow Rate	4.5	4.5	4.3
		Does the Project Mitigate Regular, Localized Flooding?	3	4	3.6
A4	Reduced Sanitary Sewer Overflows	Reduced Sanitary Sewer Overflows	2.3	2.7	2.1
Environmental Enhancement Indices					
M5 ^(a) (choose one)	Environmental & Habitat Protection & Improvement	Wetland Creation	3.1	3	3.5
		Wetland Enhancement	3.1	3	3.5
		Riparian Restoration or Enhancement	3.6	2.3	3.5
		Instream Flow Enhancement	4	3	3.9
M6	Increased Urban Green Space	Urban Green Space Creation	2.9	3.3	3.5
A5 (choose one)	Reduced Energy Use, Gas Emissions, Creates Carbon Sink	Reduced Energy Use	2	2	2
		Reduced Greenhouse Gas Emissions	2	2	2
		Provides a Carbon Sink	2	2	2
A6 ^(a)	Re-establish Natural Hydrograph	Project Restores a Natural Hydrograph	2	2	2
Community Benefit Indices					
M7	Employment Opportunities	Employment Opportunities	2.8	2.3	3
M8	Public Education	Public Education	4.1	2.7	3.5
A8	Community Involvement	Project Encourages Community Involvement	3.1	1.7	2.5
A9 (choose one)	Enhance/Create Public Use	Pedestrian Paths	2.9	2.3	3
		Recreation Added	3	2	4

^(a) It is assumed A2: "Reestablish natural drainage and treatment" can be measured with the same metrics already listed.

D.5. Project Evaluation

- Quantification of benefits expected from each project
- Normalized scoring

Example

Sample Project	Quantified Evaluation Criteria	Logged Value	Normalization Step	Normalized Evaluation Criteria Score
Project A	3	0.5	Smallest value = 1	1.0
Project B	15	1.2	Linearly distribute remaining logged values between 1 and 5	2.0
Project C	180	2.3		3.5
Project D	2000	3.3	Largest value = 5	5.0

D.5. Project Evaluation

- Total project scoring and prioritization

Example 2. Scoring of a Sample Project with Quantified M2, M3, and M4 Benefits

Expected Project Benefits	Evaluation Criteria	Normalized Score	Multiply by Weight for Appropriate Subregion	Criteria-Weighted Score	Largest Score for Each Benefit
M2	New onsite storage	2.4	x 4.2 =	10.1	14.7
	Groundwater infiltration		x 4.2 =	0.0	
	Potable water offset	3.5	x 4.2 =	14.7	
M3	Storage/recharge in a dry year	2.2	x 5.0 =	11.0	11.0
M4	Peak flow reduction	4.4	x 4.3 =	18.9	18.9
	Storm volume reduced or captured		x 4.3 =	0.0	
	Mitigates a regular flooding issue	5.0	x 3.6 =	18.0	
Project A Total Weighted Score:					44.6

Example



D.6. Bonus Scoring

Projects:

- Supported by entities that have created permanent, local, or regional funding;
- Using a metric-driven approach to maximize benefits;
- Located on lands in public ownership;
- Augmenting local water supplies;
- Preserving, restoring, enhancing watershed processes;
- Creating or restoring habitat, open space, parks, recreation, or green open space in disadvantaged communities.



E. Project Prioritization Results

- Ninety-four (94) projects were submitted for SWRP consideration
- Project proponents:
 - Member Agencies
 - Collaborator Agencies
 - Non-profits
 - Public
 - Tribes



E. Project Prioritization Results

- 51 projects met the screening results
- 36 projects not prioritized
 - Included for potential future prioritization
- 2 projects are still being evaluated
- 5 projects removed from consideration



E. Project Prioritization Results

94

Additional Potential Projects

- Project has benefits identified in the *Guidelines*
- Project is in the watershed
- Legal & Ethical

50

Storm Water Resource Management Projects

Project has a specific location
Has 2 Main and 1 Additional Benefit
Quantify 2 Main Benefits
Land Acquisition Plan, if needed

42

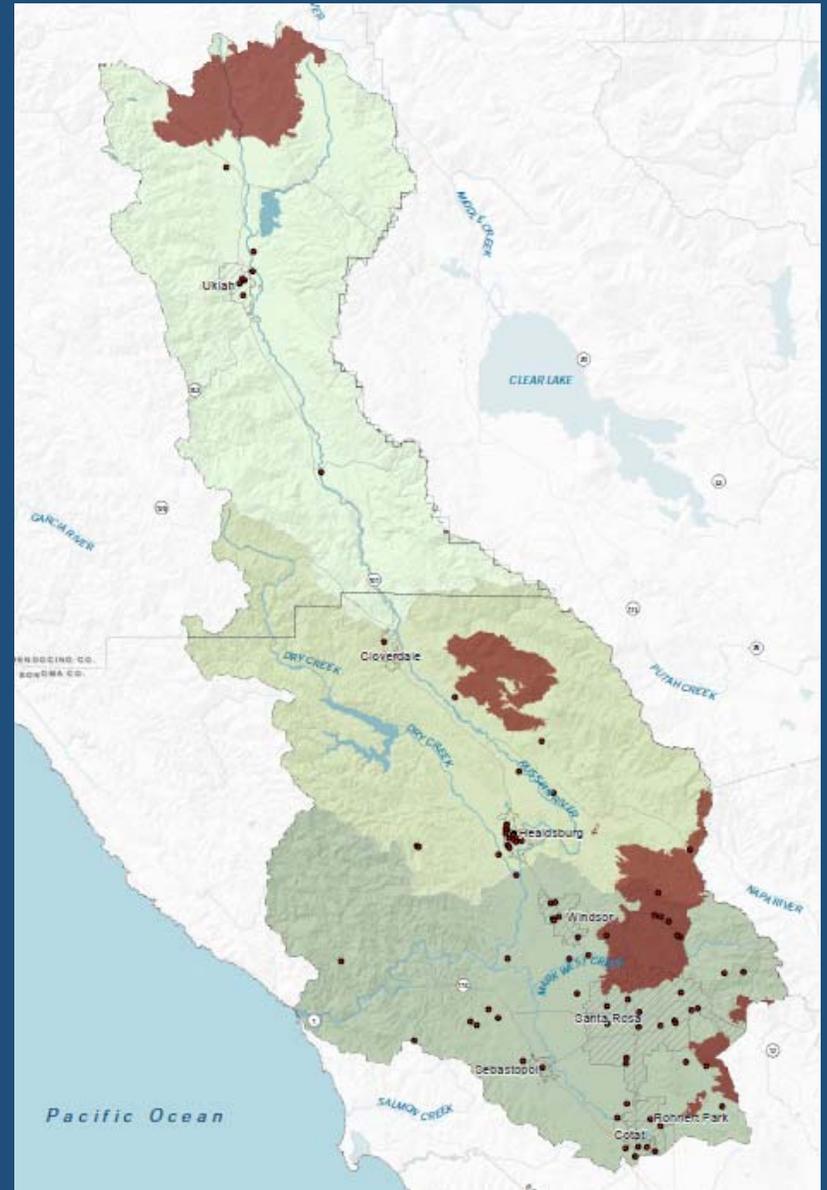
Storm Water and Dry Weather Runoff Capture Projects

Storm water capture



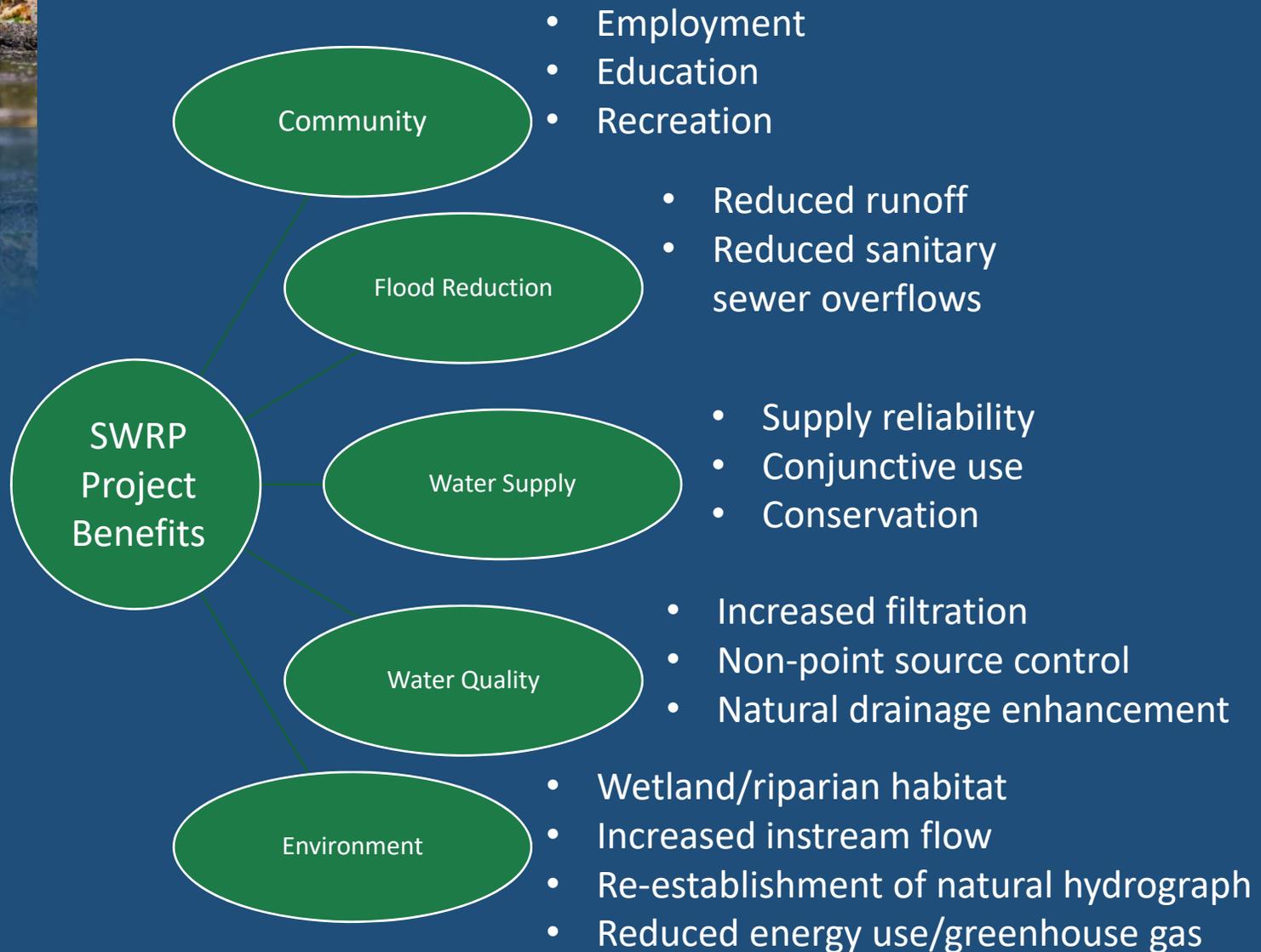
E. Project Prioritization Results

- Project Locations





E. Project Prioritization Results





Storm Water Resource Plan

YOU'RE INVITED TO PARTICIPATE

SWRP

Storm Water Resource Plan

· Tuesday, April 17th ·
6:00 pm to 8:00 pm
Cloverdale Performing Arts Center
209 North Cloverdale Blvd
Cloverdale, California



The Russian River Watershed Association (RRWA) is pleased to announce that the grant-funded Storm Water Resource Plan (SWRP) for the Russian River watershed is now available for public comment; see below links.

Please join us for our next public meeting taking place on Tuesday, April 17, 2018 from 6:00 p.m. – 8:00 p.m., at Cloverdale Performing Arts Center, where we will discuss the background and development of the SWRP, and the input that has led to the current Draft. Comments will also be accepted and discussed at the public meeting. Please consider joining our [SWRP mailing list](#) for further updates on our activities.

Please download a copy of the SWRP using the link on the left below and provide comments as soon as possible using the link on the right. The comment period will close on April 23, 2018.

CLICK HERE TO
View and download the
Public Draft
Russian River watershed SWRP



CLICK HERE TO
Provide comment(s) on the
Russian River watershed SWRP



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I. What's Next?

Sonoma County Water Agency Field Investigations

- Support future SWRP project proposals
- Provide information on groundwater recharge potential in Santa Rosa Plain, priority groundwater basin
- Focused study area: Laguna-Mark West sub-watershed
- Two project site locations with favorable geologic conditions selected for geophysical surveys
- Template can be extrapolated to other sub-watersheds in future



G. What's Next?

- Public comment period closes April 23, 2018
- Response to public comments
- Finalize SWRP
- Finalize field investigations
- Incorporation into the Integrated Regional Water Management Plan by the North Coast Resource Partnership
- Project proponents apply for grant funding
- Project implementation

I. What's Next?

Funding

Project
Implementation

SWRP Adaptive
Management

Monitoring

Grant
Accountability

New Project
Proposals to
NCRP

Further Develop
Existing Projects



I. What's Next?

Project Implementation

- Funding
 - Grant Funding and Local Match
- Design, Construction, and Management by individual project proponents
- Community participation
- Permitting



I. What's Next?

Project Tracking

- Project Performance Monitoring Plan
- Milestones to track expected benefit
- State's bond accountability website



I. What's Next?

SWRP Adaptive Management

- RRWA
- NCRP
- New projects
- Existing projects
- Evolution of Storm Water Program
 - Availability of funding
 - Regulatory drivers
 - Total Maximum Daily Loads
 - Wildfires



Questions or Comments

Required Disclosure Statement

Funding has been provided in full or in part through an agreement with the State Water Resources Control Board using funds from Proposition 1. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does the mention of trade names or commercial products constitute endorsement or recommendation for use.

This work product is part of Task 6.0 of Agreement No. D1612602.