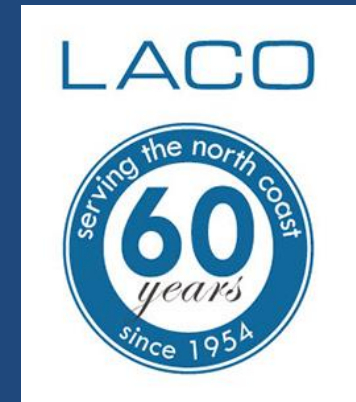


Coastal Mendocino County Stormwater Resource Plan

Public Meeting
August 17, 2017



Stormwater Resource Plan (SWRP)

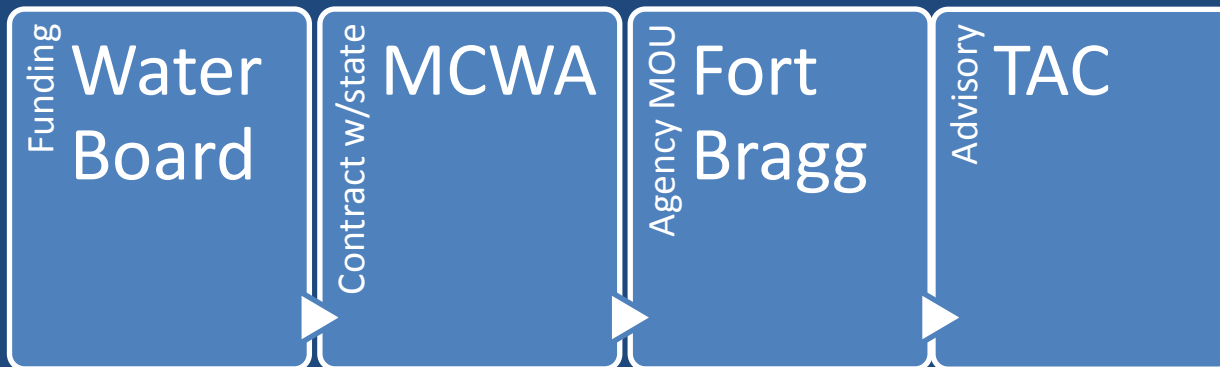
- The SWRP is a plan that outlines the state of our community's watersheds and identifies how the district can improve and protect our rivers, creeks, streams, and groundwater via stormwater resource management
- A SWRP is a requirement for receiving state funds that address projects which capture and re-use storm water runoff, providing improved water quality and quantity for the community

Proposition 1 Background

- Prop 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.

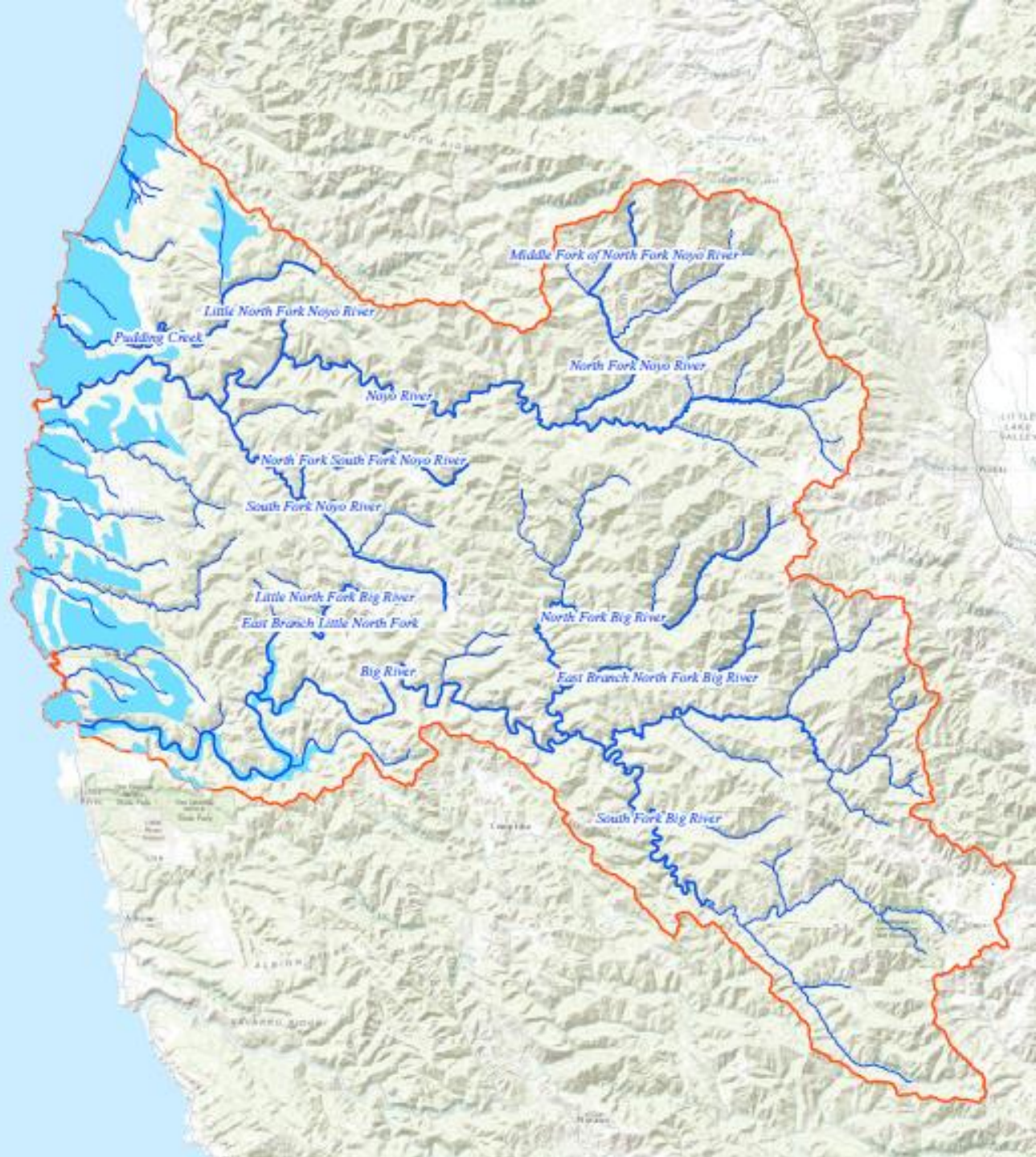
SWRP Grant Update

- \$242,990 grant awarded to the Mendocino County Water Agency
- \$270,045 total effort, including County match
- Identifies projects that capture and re-use storm water runoff to provide multiple benefits.



Areas & Towns Benefitting from SWRP

- Pudding Creek-Frontal Pacific Ocean Watershed
- Noyo River Watershed
- Big River Watershed
- Mendocino
- Fort Bragg
- Casper
- Cleone



Multiple Benefits Per SWRP Guidelines

TABLE 3. BENEFIT METRICS		
Benefit	Example	Metric Unit(s)
Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i>	Increased filtration and/or treatment of runoff	Pollutant Load Reduction pounds (lbs)/day kilograms (kg)/day milligram/Liter microgram /Liter most probable number of bacteria or indicator organisms (mpn)/mL
	Nonpoint source pollution control	
	Reestablished natural water drainage and treatment	Volume Treated million gallons per day (mgd) acre-feet per year (afy)
Water Supply <i>through groundwater management and/or runoff capture and use¹¹</i>	Water supply reliability	Volume Captured <i>in terms of augmentation/replacement of water supply, or reduced dependence on imported water</i>
	Water conservation	million gallons per day (mgd) acre-feet per year (afy)
	Conjunctive use	Cost dollars per volume per year (of augmented water supply)
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Rate, Volume, and/or Size cubic feet per second (cfs) acre-feet (af) cubic feet (cf)
	Reduced sanitary sewer overflows	acres or linear feet
Environmental	Environmental and habitat protection and improvement, including: - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	Size and/or Rate acres cubic feet per second (cfs) carbon sequestration (megagrams of carbon per area)

Multiple Benefits Per SWRP Guidelines

TABLE 3. BENEFIT METRICS		
Benefit	Example	Metric Unit(s)
Environmental <i>(continued)</i>	Increased urban green space	Other ¹² area units of landscape and buffer measure of improved hydrology number of biotic structure number of physical structures reduced temperature (degrees)
	Reduced energy use, greenhouse gas emissions, or provides a carbon sink	
	Reestablishment of the natural hydrograph	
	Water temperature improvements	
Community	Enhanced and/or created recreational and public use areas	Size size of population served number of people number of jobs acres
	Community involvement	
	Employment opportunities provided	

Multiple Benefit Selection

Indicate which benefit(s) are associated with each category

Eligible projects must have multiple benefits. The Technical Advisory Committee (TAC) has ranked the 5 main benefit categories . Assign multiple benefits to each category below in order to assist TAC in refining the multiple benefits associated with each category.

Categories

Environment

1, 3, 5

Water Supply

1, 3, 12

Water Quality

1, 3, 8, 4, 5, 6, 10,
11, 12

Community

11, 3, 5

Flood Management

10, 3, 5, 8, 9, 2

Benefits

1 - Decreased Turbidity

Improved water clarity and fish habitats

2 - Surface Water Supply

For community and the environment

3 - Decreased Flood Risk

4 - Wetland Creation

Provides stormwater treatment and critical habitat

5 - Riparian Enhancement

Improved aquatic species habitat. Reduction in streambank erosion.

6 - Employment Opportunities

7 – Recreational Area Development

8 - Instream Flow Improvement

Increases stream flow during dry season

9 - Reduced Sewer Overflow

Keeps nutrients and pathogens out of creeks and rivers

10 - Decreased Sediment Loading

Improved water clarity and fish habitats

11 - Groundwater Supply

Help maintain aquifer levels

12 - Nonpoint Source Pollution

Decreased pollution from construction sites, and non-visible pollutants from streets and parking lots

Project Proposal Process

- Eligible Agencies
 - Public Agencies
 - Non-Profit Organizations
 - Public Utilities
 - Mutual Water Companies
- Partial List Eligible Project Types
 - Green Infrastructure
 - Low-Impact Development
 - Stormwater Capture & Reuse
- Project ideas and public comments accepted until September 30th

Projects

Examples, Brainstorming, & Public Input

- Storm Water Control Devices
- Groundwater Recharge
- Wetland Enhancement/Restoration
- Riparian Enhancement/Restoration
- LID Retrofits
- Dirt Road Decommissioning/Improvement
- Residential Rain Barrels
- Stream Channel Restoration

Projects

Curbside Rain Garden



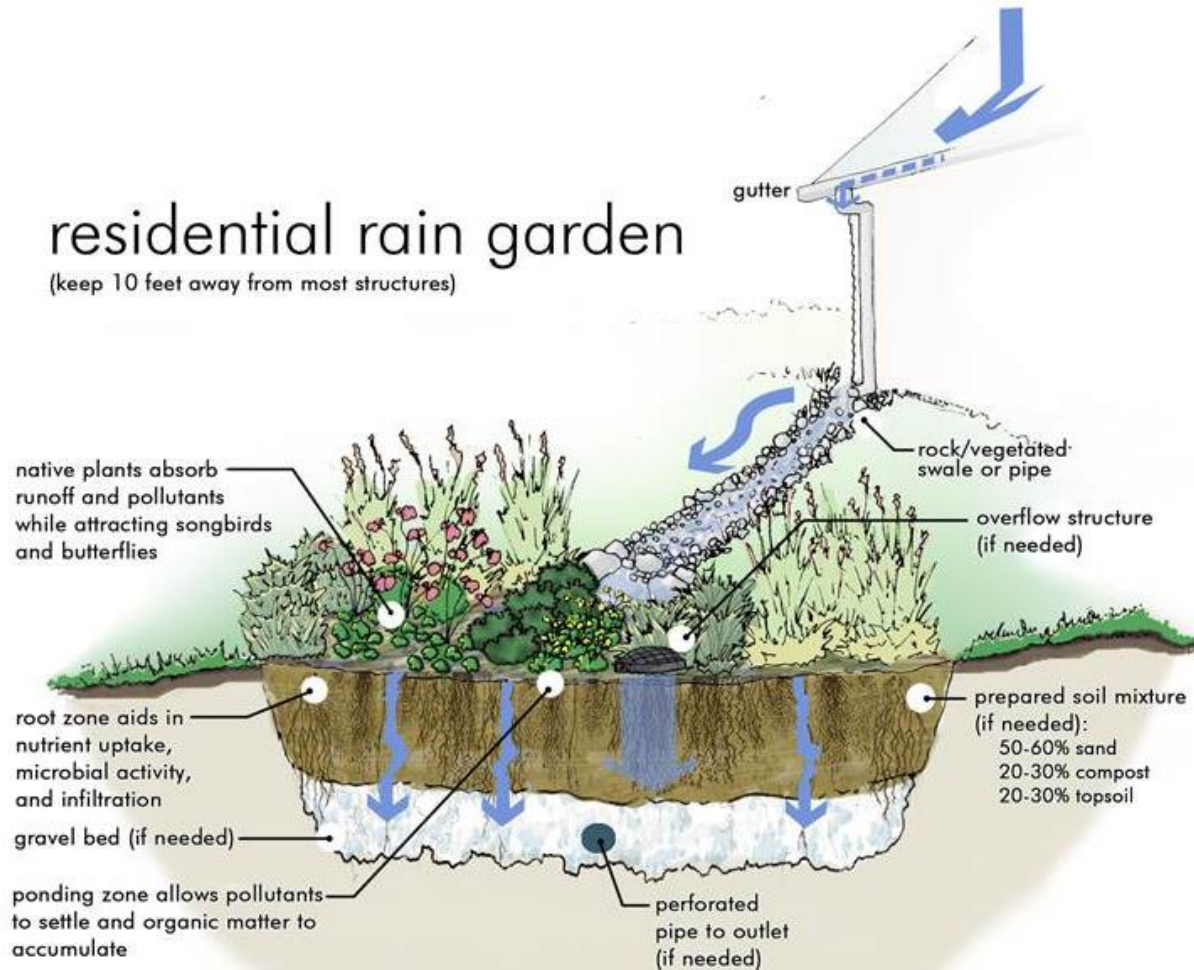
Projects

Stormwater Treatment (Bioretention) Basin



Projects

Residential Rain Gardens



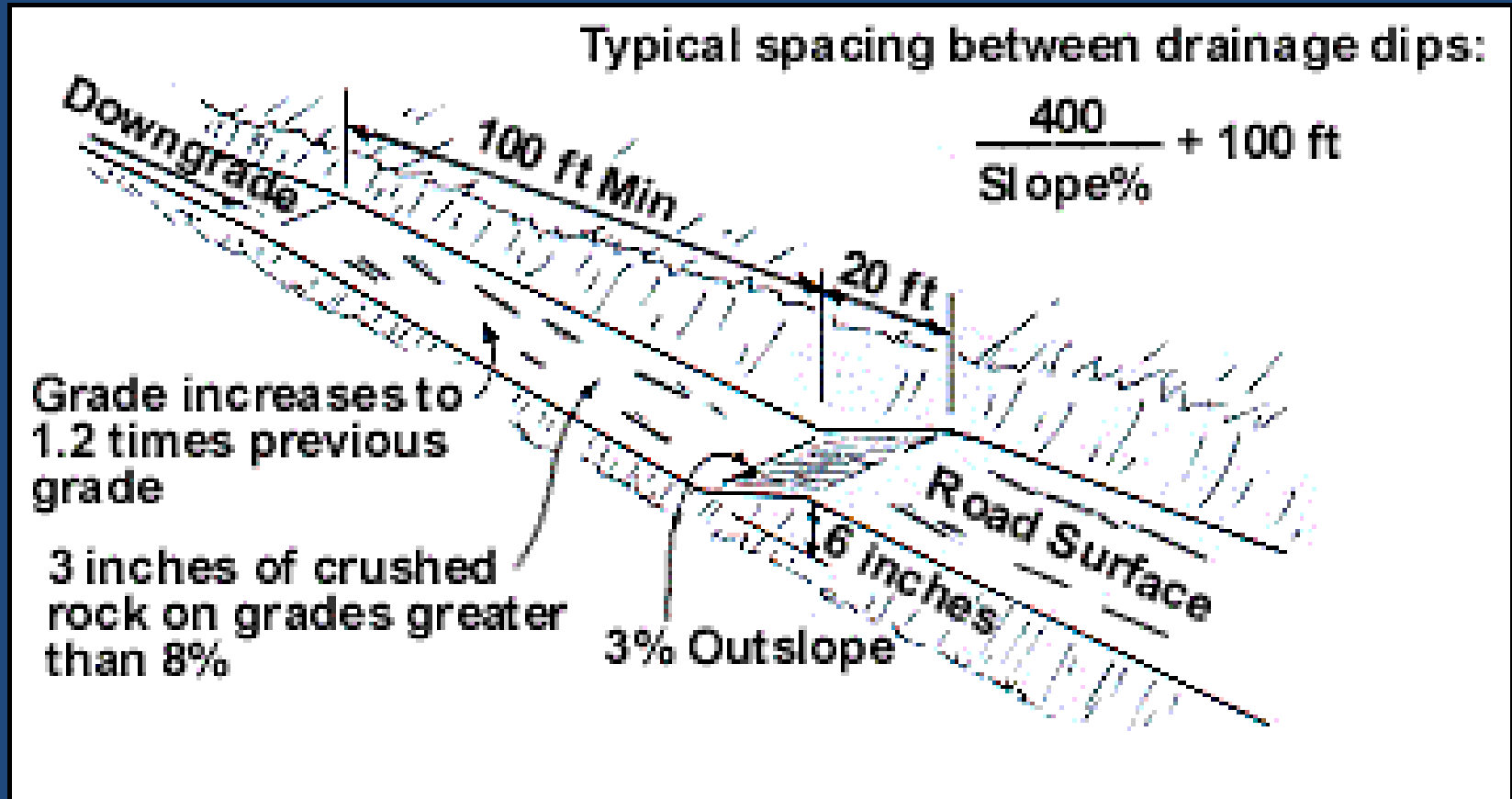
Projects

Stormwater Detention Basin



Projects

Dirt Road Drainage Improvements



Projects

Ephemeral Retention Pools



Questions & Comments

Thank You

