Project activities through Bureau of Reclamation

1. Petaluma Watershed Collaborative

2. Action Plan

3. Petaluma Watershed Enhancement Plan

Petaluma Watershed Collaborative

Coordinate, meet, and collaborate!

Action Plan (includes Top Ten list)

→ Establish a “Top Ten” list of priority management and restoration projects to be implemented with leadership from the Collaborative

- Develop criteria to evaluate and prioritize watershed projects
- Solicit project descriptions to consider through the prioritization criteria
- Rank project submissions using prioritization criteria
- Prioritized projects = Top Ten list

Action Plan (includes Top Ten list)

→ Develop guideline for project concept implementation

- Proposal ready project descriptions of Top Ten list
- Conceptual designs
- Consult with Reclamation and relevant permitting agencies

→ Action Plan to guide Collaborative

Complete Petaluma Watershed Enhancement Plan

→ Determination of process for synthesizing existing plans

- Incorporate data from existing plans (SRCD and FOPR)
- Incorporate data from Pet. Historical Hydrology and Ecology Study (SRCD and FOPR)

→ Determine data gaps and collect/provide such data (Collaborative)

→ Solicit information from local, state and federal organizations as well as local community and stakeholders and private organizations

Action Plan

- Start from scratch
- Based around Top Ten list
- Directs future work of Collaborative
- End product = Funding ready projects
- Goal is implementation
- Management AND Restoration

Watershed Enhancement Plan

- Completes the previous *draft* version
- Relates to interest of all stakeholders
- Identifies problems and needs within the watershed from existing information

	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Collaborative Meetings														
Complete PWEP														
Develop Criteria / Solicit Projects / Rank Projects														
Create Action Plan														
Project Development for Top Ten projects														
Conceptual Designs / Consult with BOR and Agencies														

timeline

internal deadline

final deadline / due to BOR

SWRP Project ID

Benefit Categories

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

TABLE 4. STORM WATER MANAGEMENT BENEFITS

Benefit Category	Main Benefit	Additional Benefit
Water Quality *while contributing to compliance with applicable permit and/or TMDL requirements*	Increased filtration and/or treatment of runoff	Nonpoint source pollution control
		Reestablished natural water drainage and treatment
Water Supply *through groundwater management and/or runoff capture and use*	Water supply reliability	Water conservation
	Conjunctive use	
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows
Environmental	Environmental and habitat protection and improvement, including; - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	Reduced energy use, greenhouse gas emissions, or provides a carbon sink
		Reestablishment of the natural hydrograph
	Increased urban green space	Water temperature improvements
Community	Employment opportunities provided	Community involvement
	Public education	Enhance and/or create recreational and public use areas

Draft Benefit Criteria

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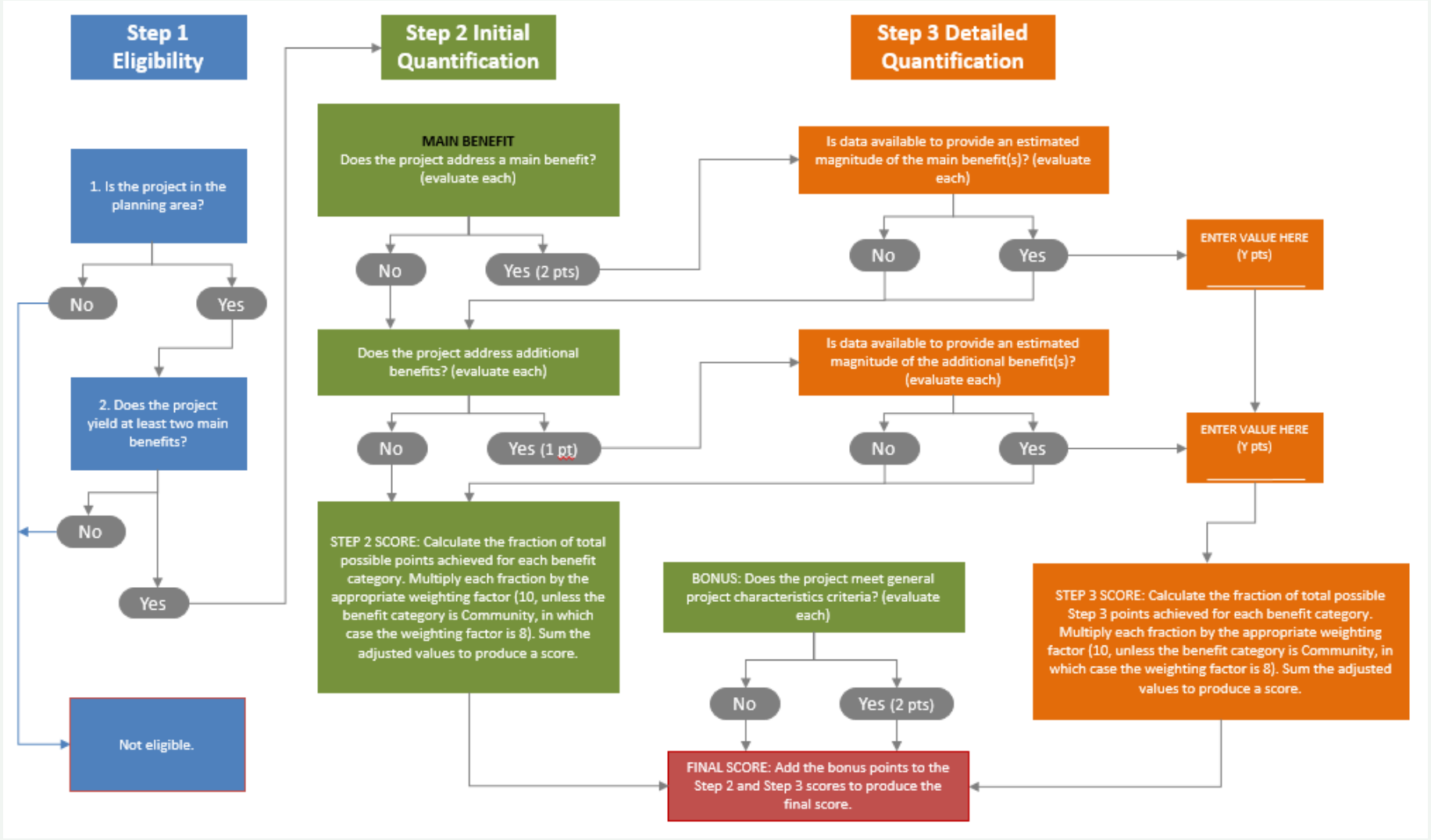
Project Prioritization Overview



Determine & Quantify Benefits

- Water Supply Criteria
  - Green (Step 2), Orange (Step 3)

Benefit Category	Benefit Criteria
Water Supply	Stormwater collected, stored, and diverted for irrigation
	Volume of stormwater collected, stored, and diverted offsetting irrigation use
	Stormwater infiltrated into water supply aquifer
	Volume of stormwater infiltrated into water supply aquifer
	Stormwater infiltrated into non-water supply aquifer
	Volume of stormwater infiltrated into non-water supply aquifer
	Project previously identified as water supply/conservation project

Determine & Quantify Benefits

- Flood Management Criteria
  - Green (Step 2), Orange (Step 3)

Benefit Category	Benefit Criteria
Flood Management	Peak flow reduction
	Magnitude of peak flow reduction
	Modeling completed to ensure detention will not result in increased flooding due to timing considerations
	Solves flooding problem known to occur locally
	Project previously identified to reduce flood risk in local flood management plan, master plan, or watershed plan

Determine & Quantify Benefits

- Environmental Criteria (Habitat Restoration, Streamflow)
  - Green (Step 2), Orange (Step 3)

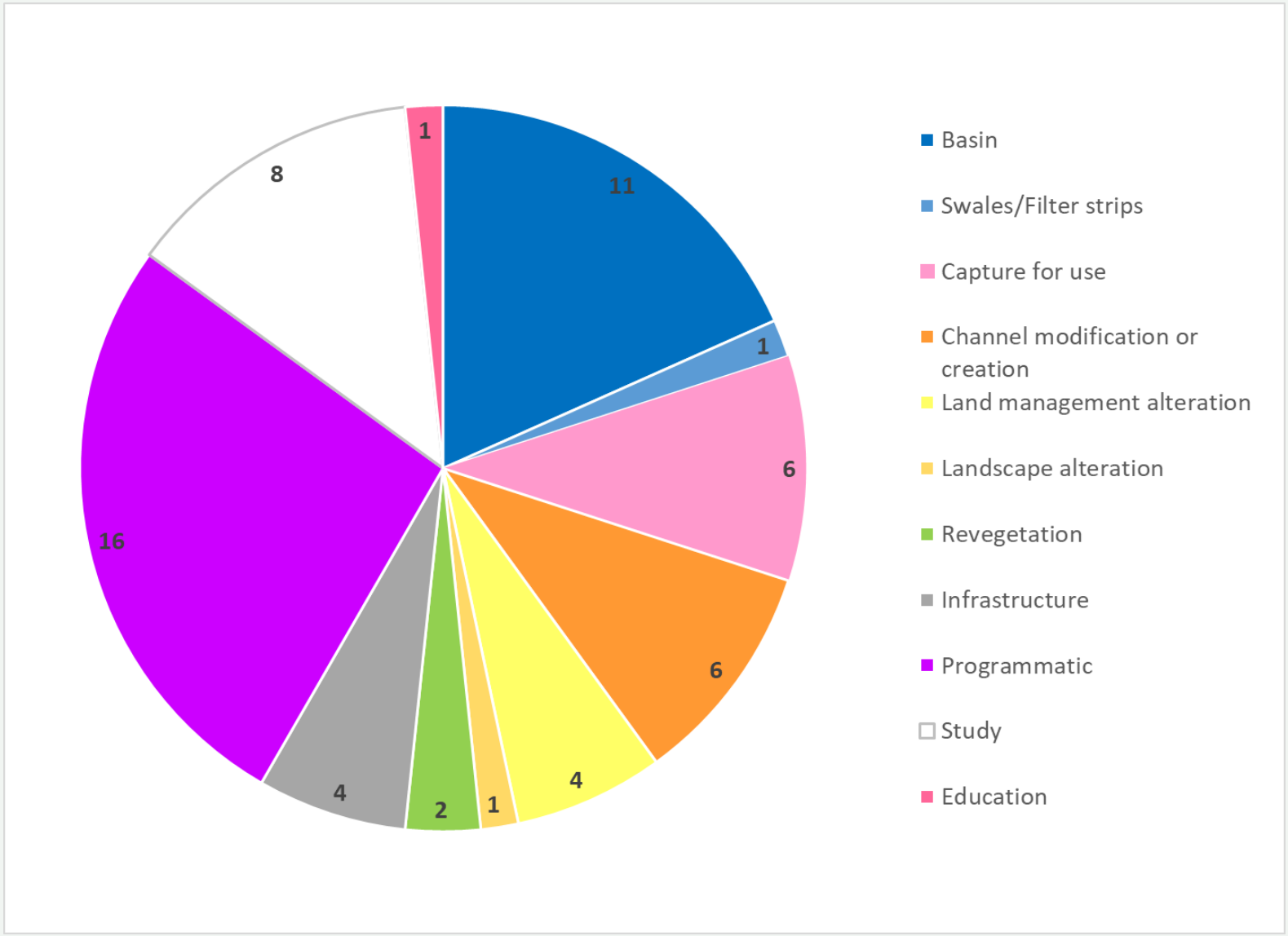
Benefit Category	Benefit Criteria
Environmental	Creation or enhancement of wetlands and/or riparian habitat
	Area of wetlands and/or riparian habitat created or enhanced
	Slowing in timing of peak flow
	Magnitude of slowing in timing of peak flow (minutes or hours)
	Water temperature improvement for benefit of habitats and endangered/threatened species
	Magnitude of water temperature improvement
	Increase in streamflows during low flow season for benefit of habitats and endangered/threatened species
	Magnitude of increase in streamflows during low flow season
	Reduction in energy use or GHG emissions, or increase in carbon sinks
	Magnitude of reduction in energy use or GHG emissions, or increase in carbon sinks
	Creation of urban green space
	Area of urban green space added
	Project previously identified in conservation, restoration, watershed management, urban greening and/or other watershed-based plan

Determine & Quantify Benefits

- Community Criteria (engagement, jobs, public use)
  - Green (Step 2), Orange (Step 3)

Benefit Category	Benefit Criteria
Community	Recreational and public use areas enhanced and/or created
	Area of recreational and public use areas enhanced and/or created
	Community involvement and/or volunteer opportunities
	Number of persons engaged with through community involvement and/or volunteer opportunities
	Job creation
	Number of jobs created
	Public education opportunities and/or incorporation of a public education element
	Project was previously identified in a community, recreational, education, development, active transportation, job opportunity plan and/or another watershed-based plan
	Project is located in disadvantaged community

Projects by Management Action



Programmatic and Study Detail