

Napa River Watershed Stormwater Resource Plan

Elizabeth Yin

January 26, 2023

What is a Storm Water Resource Plan?

- Water Code sections 10560 et seq. (as amended by Senate Bill 985, Stats. 2014, ch. 555, § 5).1 Water Code section 10563, subdivision (c)(1), requires a Storm Water Resource Plan (Plan) as a condition of receiving funds for storm water and dry weather runoff capture projects from any bond approved by voters after January 2014.
- A planning document that identifies potential opportunities, projects, and programs that provide multiple benefits, including water quality, water supply, community enhancement, and other benefits.
- A process for evaluating potential opportunities and their multiple benefits.

SWRP Overview

- Watershed Characterization
- Water Quality Concerns and Regulatory Requirements
- Process for the Identification, qualification, and scoring of multiple benefits of potential project opportunities
- Education, Outreach, and Public Participation
- Implementation Strategy

OCTOBER 2022

[DRAFT]

NAPA COUNTYWIDE STORMWATER POLLUTION PREVENTION
PROGRAM AND NAPA COUNTY GROUNDWATER SUSTAINABILITY
AGENCY

Napa River Watershed Stormwater Resource Plan

PREPARED BY:



PREPARED FOR:



Progress to Date



Schedule & Next Steps

Dec

- Targeted Outreach

Jan

- Release Draft SWRP for Public Comment by Jan 27
- 30 day public comment period

Feb

- Final comments due Feb 28

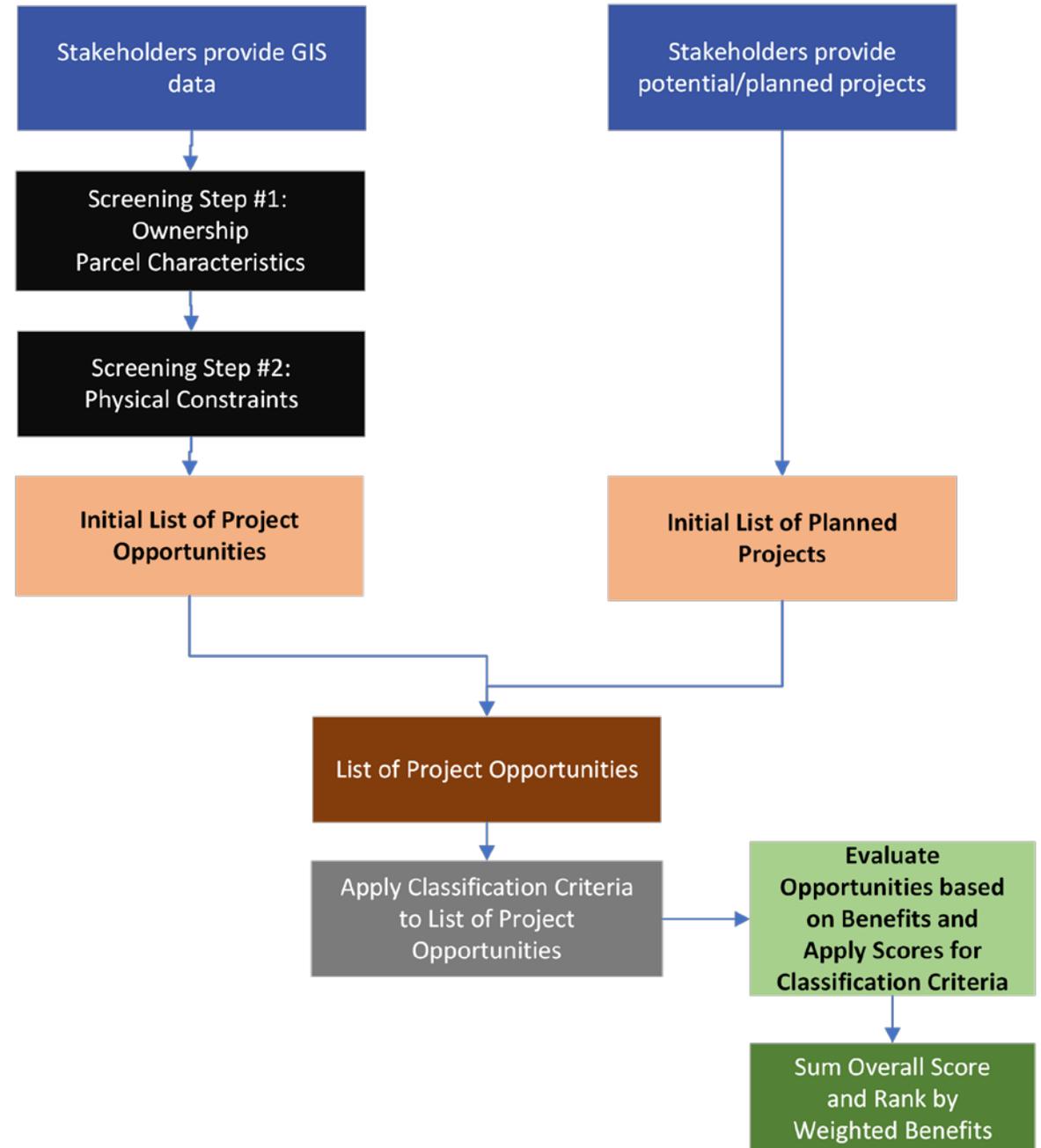
March

- Revise Draft SWRP and incorporate comments received
- Final SWRP by end of March

Overview of Potential Project Opportunities

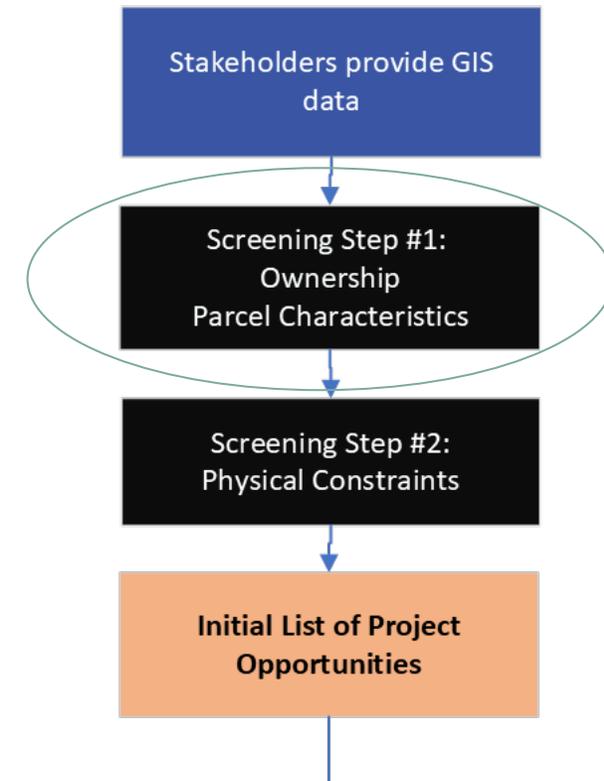
Process Overview

1. Data is Provided by Stakeholders
2. Raw GIS data goes through two screening steps
3. Data sources are combined into single list of Project Opportunities
4. Classification criteria is developed for the list of Project Opportunities
5. Classification criteria is compared to benefits and given a score
6. List is sorted by overall score and weighted benefits



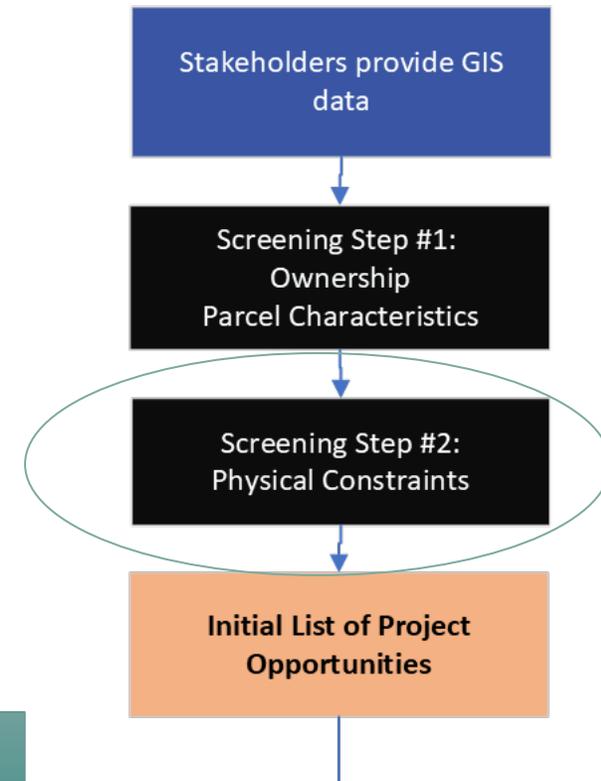
Screening Criteria: General Attributes

- Screening step to remove parcels ineligible for funding
- Ownership Criteria
 - Public ownership
 - Tax exempt parcels
- Parcel Characteristics
 - Parcels at least 0.1 acres in size
 - Parcels with average slope less than 10%
- ROW Criteria
 - Non interstate public ROW
 - State/County highways
 - Connector roads
 - Local, neighborhood, rural roads



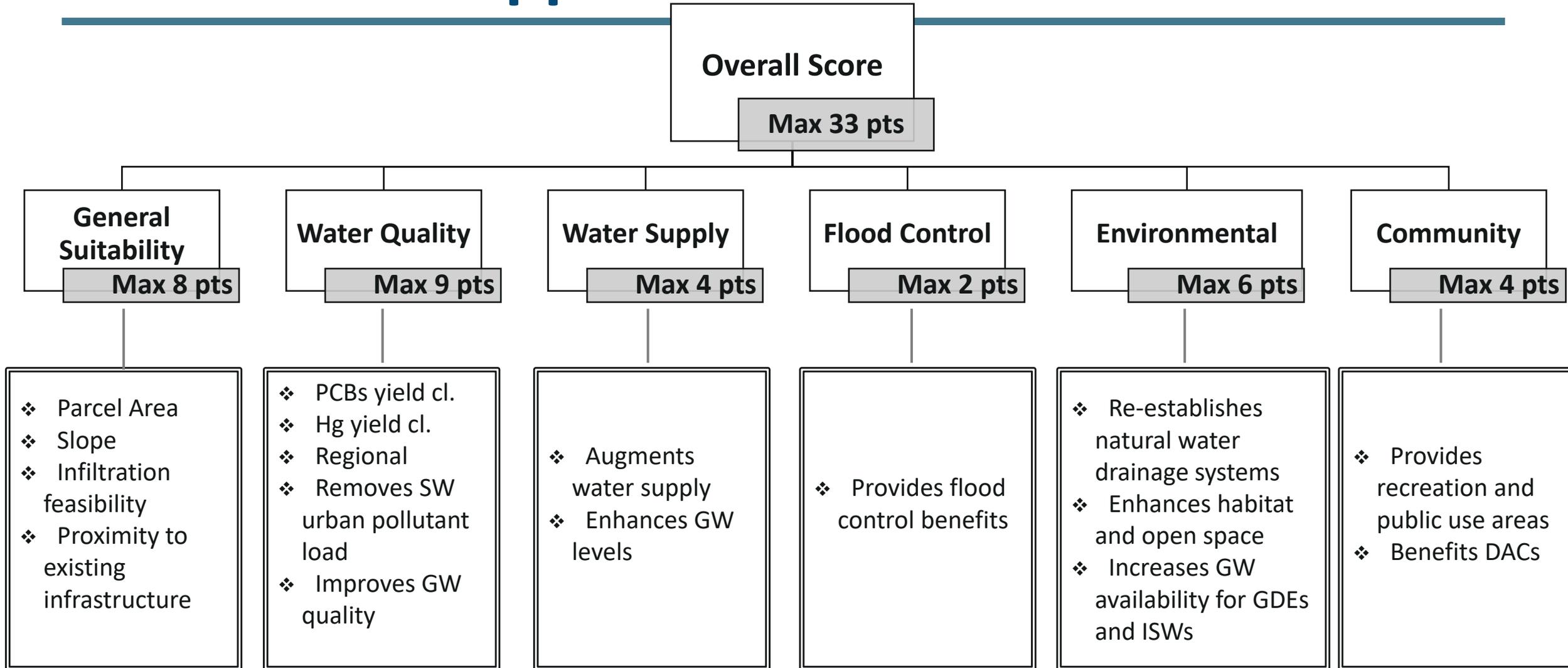
Screening Criteria: Physical Constraints

- Sites with 50% of the area overlying landslides hazard ones
- Sites with more than 50% area within USFW Threatened/Critical Habitat
- Sites overlaying contaminated soil and/or contaminated groundwater (CA DTSC Geotracker criteria)



Parcels and Roads remaining after screening are scored along multiple benefit criteria.

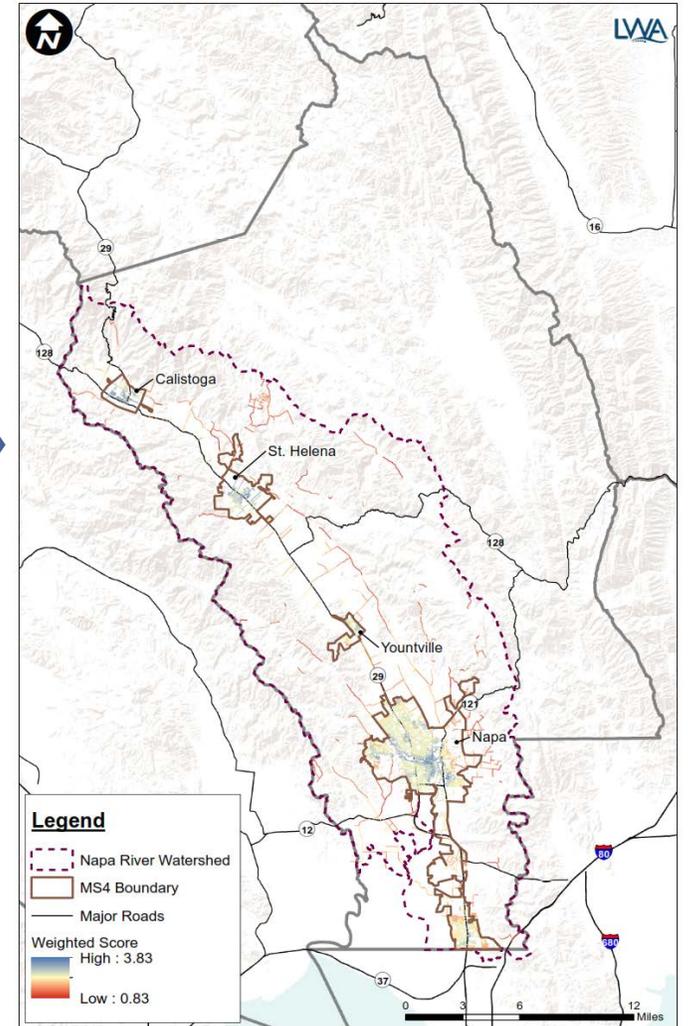
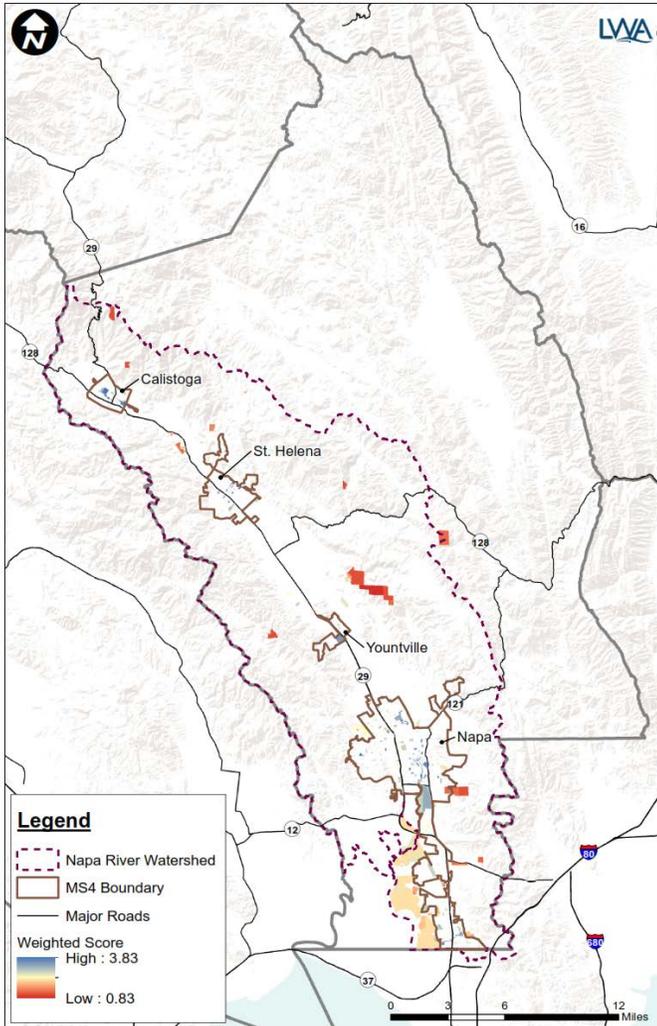
Benefits and Applicable Points



Benefit Scores - Weight

Benefit Category	Number of Criteria	Equal Weight for Each Criteria	Equal Weight for each Category	Example - Custom
All	4	24%	17%	20%
Water Quality	5	29%	17%	20%
Water Supply	2	12%	17%	20%
Flood Control	1	6%	17%	10%
Environmental	3	18%	17%	20%
Community	2	12%	17%	10%

Potential Project Opportunities Summary

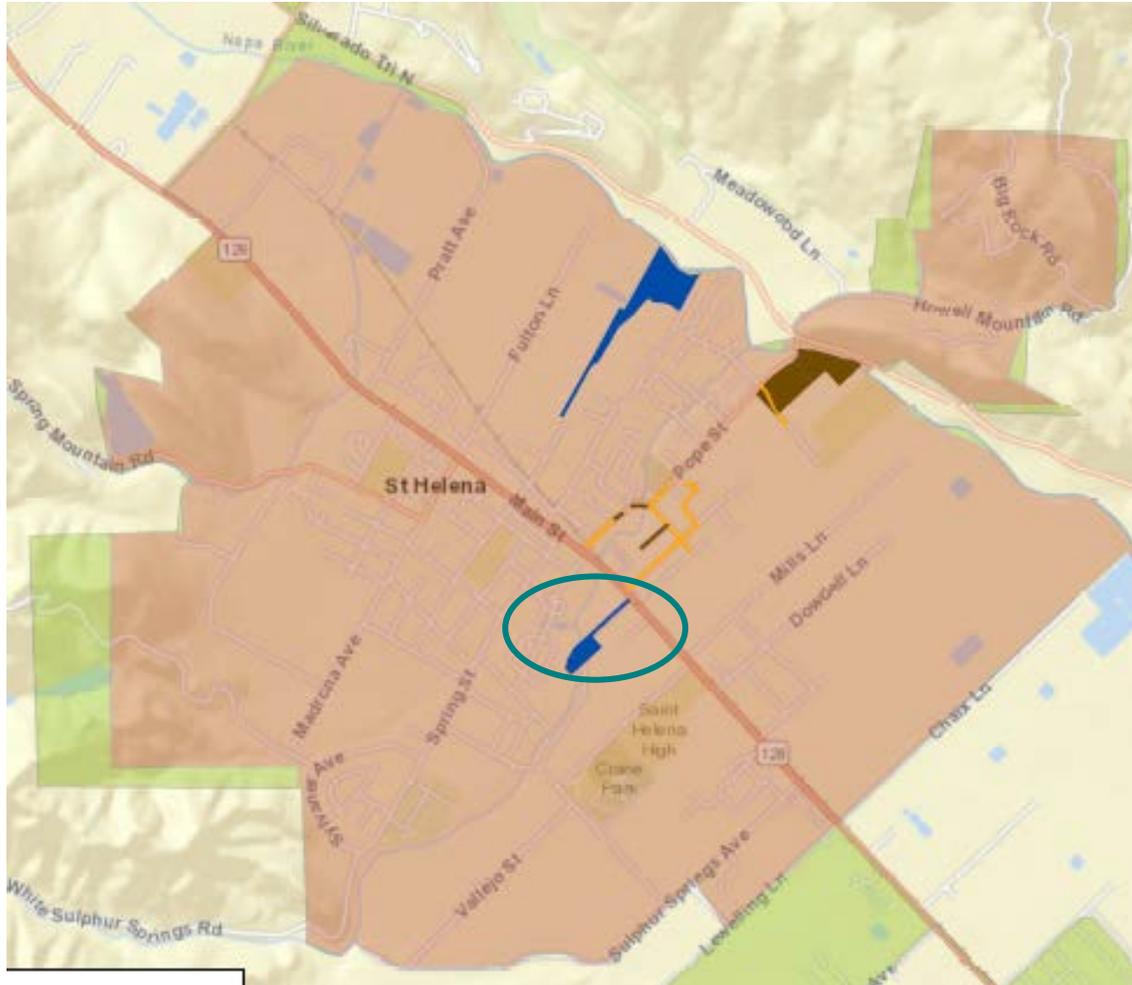


Potential Project Opportunities: Output

- Database + maps
- Scores for all multiple benefits

db_index	Rank	Rank Reasoning	Weighted Score	Parcel	Owner	Public/Private	Street Name	General Suitability					Water Quality						Water Supply			Flood Control	Environmental				Community			Total Score
								Size	Slope	Infiltration	Proximity to Existing Infrastructure	Total Benefit (Gen. Suitability)	PCBs Yield Class	Mercury Yield Class	Regional Facility	Removes Pollutant Loads	Groundwater Quality	Total Benefit (Water Quality)	Augments Water Supply	Groundwater Critical Area	Total Benefit (Water Supply)	Total Benefit (Flood Control)	Natural Water Drainage Systems	Habitat and Open Space Enhancements	GDE and ISW Enhancements	Total Benefit (Environmental)	Recreation	Disadvantaged Community	Total Benefit (Community)	
PARCEL_2333	1	Sorted by Weighted Score	3.8	011-173-001-000	CALISTOGA JOINT UNIFIED SCHOOL DISTRICT	Public	N/A	2	2	2	2	8	1	1	1	2	1	6	1	1	2	2	1	1	2	4	1	0	1	23
PARCEL_3961	2	Sorted by Weighted Score	3.8	011-260-003-000	CALISTOGA CITY OF	Public	N/A	2	2	0	2	6	0	2	1	2	1	6	1	1	2	2	1	1	2	4	1	2	3	23
PARCEL_14581	3	Sorted by Weighted Score	3.8	003-172-009-000	NAPA CITY OF	Public	N/A	1	2	2	2	7	1	1	0	2	1	5	1	1	2	2	1	1	2	4	1	2	3	23
PARCEL_15731	4	Sorted by Weighted Score	3.8	009-180-012-000	ST HELENA CITY OF	Public	N/A	2	2	2	2	8	0	2	1	2	1	6	1	1	2	2	1	1	2	4	1	0	1	23

Example: St. Helena



- APN: 009-180-012-000
- Weighted Score: 3.8

General Suitability					Water Quality						Total Score
Size	Slope	Infiltration	Proximity to Existing Infrastructure	Total Benefit (Gen. Suitability)	PCBs Yield Class	Mercury Yield Class	Regional Facility	Removes Pollutant Loads	Groundwater Quality	Total Benefit (Water Quality)	
2	2	2	2	8	0	2	1	2	1	6	23

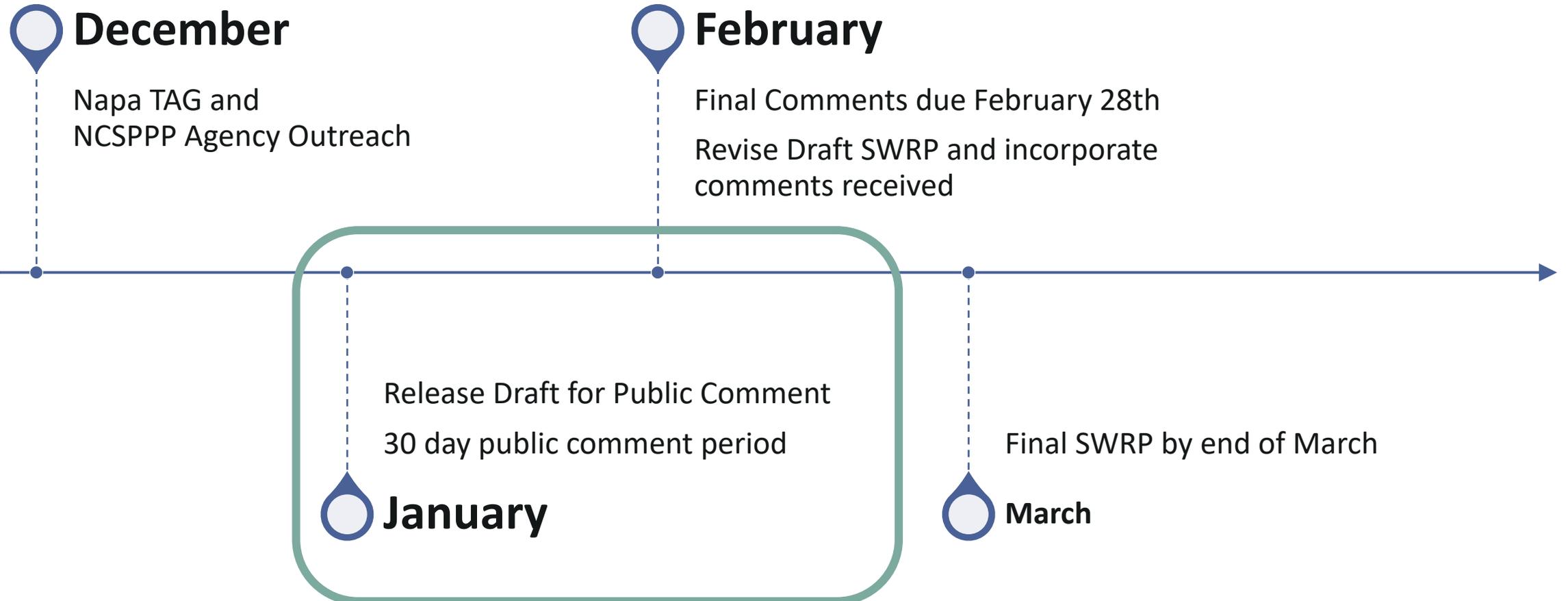
Water Supply			Flood Control	Environmental				Community		
Augments Water Supply	Groundwater Critical Area	Total Benefit (Water Supply)	Total Benefit (Flood Control)	Natural Water Drainage Systems	Habitat and Open Space Enhancements	GDE and ISW Enhancements	Total Benefit (Environmental)	Recreation	Disadvantaged Community	Total Benefit (Community)
1	1	2	2	1	1	2	4	1	0	1

Outreach and Next Steps

Table 1. Matrix of Stakeholder Audience and Outreach Methods

Stakeholder Audience	Outreach Method
SWRP Participating Agencies	<ul style="list-style-type: none"> • Meetings • Mailing List
Non-Municipal Public Landowners	<ul style="list-style-type: none"> • Email List/Targeted Messages • General Flyer • SWRP Webpage
Watershed Groups and NGOs	<ul style="list-style-type: none"> • Email List/Targeted Messages • General Flyer • SWRP Webpage • Targeted Social Media Messages
Bay Area IRWMP	<ul style="list-style-type: none"> • Targeted Email Messages • Presentation at Bay Area IRWMP Meeting or Discussion with Subgroup Contract
General Public	<ul style="list-style-type: none"> • SWRP Webpage • Targeted Social Media Messages

Schedule and Next Steps





Questions

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