

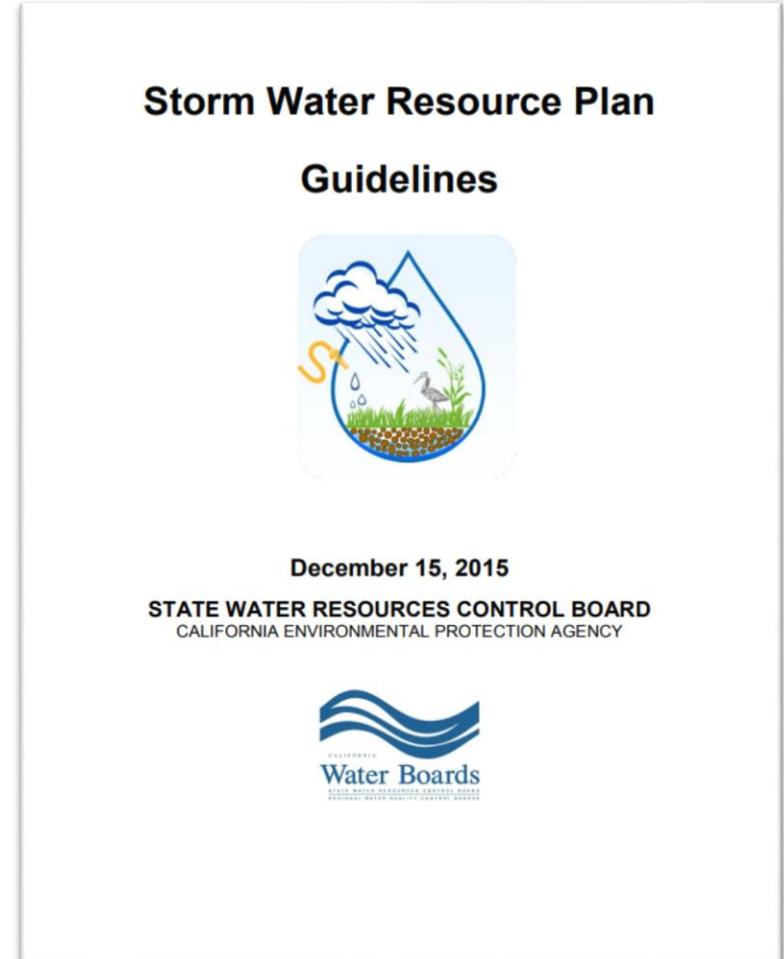
Santa Barbara County-Wide Integrated Stormwater Resource Plan (SWRP)



Board of Directors
Santa Barbara County Water Agency
November 6, 2018

Background

- The Water Quality, Supply, and Infrastructure Improvement Act (Proposition 1)
 - provides \$200 million for matching grants
- Senate Bill (SB) 985, the Stormwater Resources Planning Act
 - requires development of a Storm Water Resource Plan to receive grant funds



SWRP Requirements

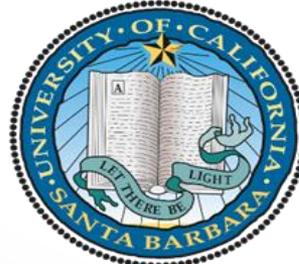
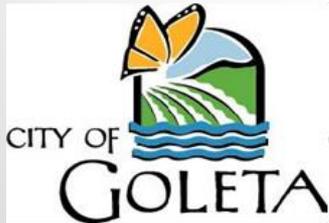
- Identify watershed and subwatersheds
- Identify pollutant sources
- Consistent with other plans and permits
- Prioritize project based on multiple benefits
- Community participation
- Submit to Integrated Regional Water Management (IRWM) Group

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	Volume Treated million gallons per day (mgd) acre-feet per year (afy)
Water Supply <i>through groundwater management and/or runoff capture and use.¹¹</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) acres or linear feet
	Reduced sanitary sewer overflows	
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)
Environmental (continued)	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	

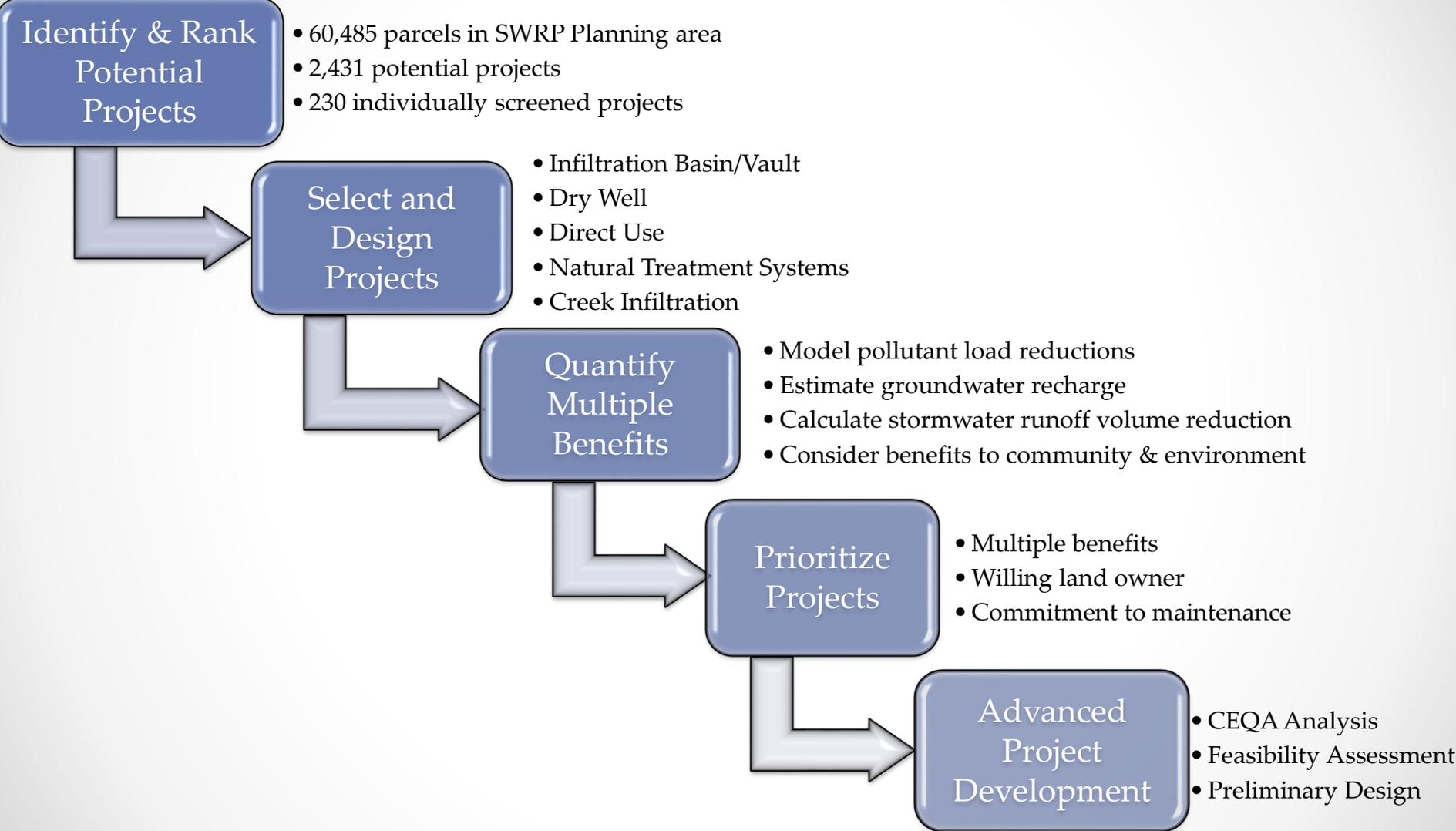
Collaborative Development



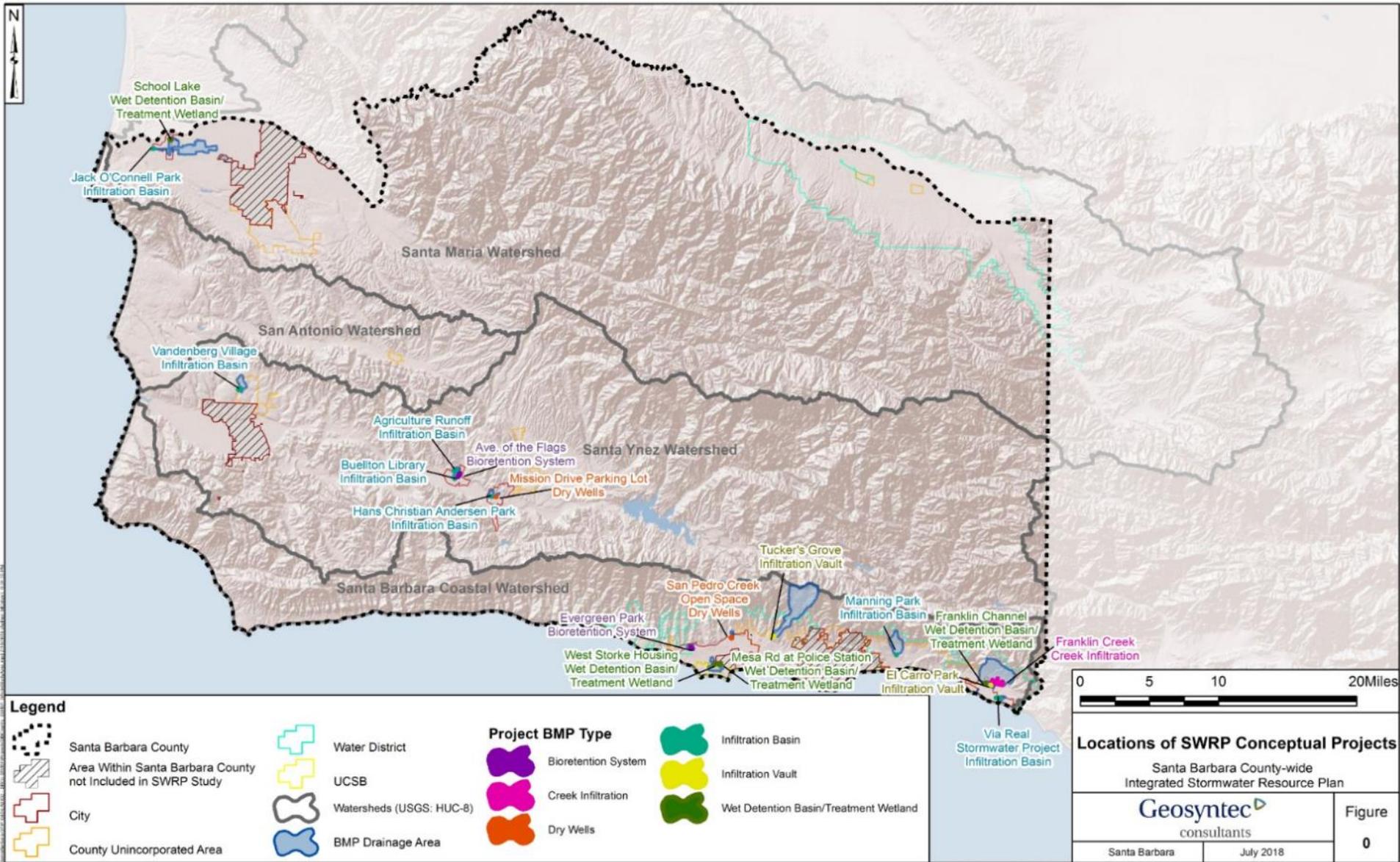
Cooperating Entities



Project Identification and Prioritization Approach



Selected Conceptual Projects



Final SWRP



Santa Barbara County-Wide Integrated Stormwater Resource Plan

Santa Barbara, CA

Prepared by

Geosyntec
consultants

engineers | scientists | innovators

with assistance from

DUDEK

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Santa Barbara, CA 93101

Geosyntec Project Number: LA0432

September 2018

- SWRP meeting all Water Code requirements and SWRP guideline recommendations
- Adaptive plan that can be implemented & updated in the future
- Carefully identified and ranked potential projects
- 18 project concepts prioritized by multi-benefits
- Project feasibility assessment and implementation work plans

Quantified Project List

Cooperating Entity	Project Location	Project Type	Multi-Benefit Index	Prioritization (low, medium, or high)
CVWD	Franklin Creek	Creek infiltration	4.5	High
CVWD	Franklin Channel	Wet detention basin	4.3	High
County	Vandenberg Village	Infiltration basin	4.3	High
County	Tucker's Grove	Infiltration vault	3.9	High
Guadalupe	Jack O'Connell Park	Infiltration basin	3.4	High
MWD	Manning Park	Infiltration basin	2.7	High
Goleta	Evergreen Park	Bioretention with underdrain and dry wells	2.5	High
Buellton	Ave of Flags	Bioretention with underdrain	2.5	High
Solvang	Hans Christian Andersen Park	Infiltration basin	2.0	High
UCSB	Mesa Road at Police Station	Wetland restoration	1.7	High
Goleta	San Pedro Creek Open Space	Dry wells	1.4	High
Carpinteria	Via Real Stormwater Project	Infiltration basin and bioswales	1.2	High
Solvang	Mission Drive Parking Lot	Dry wells	1.2	High
Buellton	Library	Infiltration basin	0.92	High
UCSB	West Storke Housing	Constructed wetland	0.87	High
Carpinteria	El Carro Park	Infiltration vault	0.85	High
Guadalupe	School Lake	Wetland restoration	2.4	Low
Buellton	Agriculture Runoff	Infiltration basin	0.96	Low

Next Steps

- Submit to SWRCB with self-certification
- Adopt into IRWMP
- SBCAMM to maintain and update SWRP
- Prop. 1 funding round expected early 2019
- Project implementation by local agencies

Staff Recommendation

- Receive and file the Santa Barbara County-wide Integrated Storm Water Resource Plan;
- Authorize the Public Works Department to submit the Storm Water Resource Plan to the State Water Resources Control Board; and
- Determine that the proposed actions are not a project under the California Environmental Quality Act