APPENDIX D – QUANTITATIVE ANALYSIS AND PROJECT EVALUATION SUMMARY SHEETS

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Table of Contents

D.1 QUANTITATIVE ANALYSIS D.1.1
D.1.1 PROJECT TYPES FOR QUANTITATIVE ANALYSIS D.1.1
D.1.2 QUANTITATIVE BENEFIT CATEGORY, CRITERIA AND METRICS D.1.3
D.1.3 METHODOLOGY FOR DEVELOPING QUANTITATIVE METRICS D.1.4

D.2 INTRODUCTION – PROJECT EVALUATION SUMMARY D.2.1

D.3 SURFACE WATER STORAGE COMPONENT PROJECT EVALUATION SUMMARY SHEETS D.3.1
D.3.1 100 ALDER RESERVOIR D.3.1
D.3.2 104 SILVER LAKE DAM REMEDIATION D.3.5

D.4 WATERSHED MANAGEMENT COMPONENT PROJECT EVALUATION SUMMARY SHEETS D.4.1
D.4.1 200 BIOMASS PLANT – UNION MINE D.4.1
D.4.2 202 SLATE CREEK MONITORING PROJECT D.4.5
D.4.3 206 CARSON CREEK RESTORATION D.4.9
D.4.4 207 NEW YORK CREEK RESTORATION D.4.13
D.4.5 208 WEBER CREEK RESTORATION D.4.17
D.4.6 209 KING FIRE WATERSHED RESTORATION & REFORESTATION PROJECT D.4.21
D.4.7 210 SAND FIRE WATERSHED RESTORATION & REFORESTATION PROJECT D.4.25
D.4.8 212 COSUMNES RIVER WATER QUALITY MONITORING PROGRAM D.4.29
D.4.9 213 ANAEROBIC DIGESTION SYSTEM AT UNION MINE WWTP D.4.33
D.4.10 214 IN-VESSEL COMPOSTING SYSTEM AT UNION MINE LANDFILL OR MRF D.4.37
D.4.11 215 COMPOSTING FACILITY WITHIN EL DORADO COUNTY D.4.41
D.4.12 217 RESIDUAL LIME REMEDIATION NEAR EL DORADO TRAIL D.4.45
D.4.13 218 COUNTYWIDE WATER QUALITY MONITORING D.4.49
D.4.14 219 FIRE ADAPTIVE ALONG HIGHWAY 50-FUELS REDUCTION D.4.53
D.4.15 220 CAPLES WATERSHED IMPROVEMENT D.4.57
D.4.16 221 CAMINO BIOMASS FACILITY D.4.61
D.4.17 222 GENERAL SHERMAN INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE D.4.65
D.4.18 223 TWO-FER INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE D.4.69
D.4.19 224 RESERVOIR THINNING INTEGRATED RESOURCE TIMBER CONTRACT D.4.73
D.4.20 225 QUINTETTE INTEGRATED RESOURCE TIMBER CONTRACT – SUPPLEMENTAL INFORMATION REPORT-TIMBER SALE D.4.77

D.4.21 226 WESTERN GEORGETOWN FUEL REDUCTION INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE D.4.81
D.4.22 227 GEORGETOWN DIVIDE FUELBREAK D.4.85
D.4.23 228 JENKINSON LAKE FUELS REDUCTION D.4.89
D.4.24 229 CESAR FIRE SALVAGE STEWARDSHIP D.4.93
D.4.25 230 2-CHAIX FIRE THINNING D.4.97
D.4.26 231 POMPEII FIRE SALVAGE STEWARDSHIP D.4.101
D.4.27 232 QUIDAZOIC FIRE SALVAGE STEWARDSHIP D.4.105
D.4.28 233 FRED'S NOXIOUS WEED TREATMENT-VEGETATION MANAGEMENT D.4.109
D.4.29 234 KING FIRE PILE BURNING D.4.113
D.4.30 235 TOBACCO GULCH INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE & THINNING PROJECT D.4.117
D.4.31 236 JOHN DON'T FUELS REDUCTION D.4.121
D.4.32 237 O'LEARY COW INTEGRATED RESOURCE SERVICE CONTRACT/ INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE & THINNING PROJECT D.4.125
D.4.33 238 TRESTLE INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE D.4.129
D.4.34 239 GEORGETOWN INSECT SALVAGE TIMBER SALE D.4.133
D.4.35 240 MIDDLE CREEK INTEGRATED RESOURCE TIMBER CONTRACT-TIMBER SALE & FUELS REDUCTION PROJECT D.4.137

D.5 STORMWATER MANAGEMENT COMPONENT PROJECT EVALUATION SUMMARY SHEETS D.5.1

D.5.1 300 URBAN ROADWAY IMPROVEMENT PROJECT - WESTERN PLACERVILLE INTERCHANGE D.5.1
D.5.2 301 PLACERVILLE STATION II-PARK AND RIDE FACILITY IMPROVEMENTS D.5.5
D.5.3 302 CANAL STREET LID PROJECTS D.5.9
D.5.4 303 URBAN ROADWAY IMPROVEMENT PROJECT - MOSQUITO ROAD STABILIZATION, GRIND & OVERLAY PROJECT D.5.13
D.5.5 304 MOSQUITO ROAD SEWER MAIN REPLACEMENT D.5.17
D.5.6 305 URBAN ROADWAY IMPROVEMENT PROJECT - WOODRIDGE COURT, GRIND & OVERLAY PROJECT D.5.21
D.5.7 306 URBAN ROADWAY IMPROVEMENT PROJECT - MARTIN LANE, GRIND & OVERLAY PROJECT D.5.25
D.5.8 307 TOWN OF EL DORADO DRAINAGE IMPROVEMENTS D.5.29
D.5.9 308 TOWN OF EL DORADO GREEN STREET PROJECT D.5.33
D.5.10 309 HEADINGTON YARD WASH RACK D.5.37
D.5.11 310 FAIRGROUNDS WATER QUALITY IMPROVEMENTS D.5.41
D.5.12 311 MAINTENANCE MATERIAL STORAGE BUILDINGS AT MISSOURI FLAT RD AND SOMERSET SAND MINE D.5.45
D.5.13 312 FUTURE BASS LAKE MAINTENANCE STATION D.5.49
D.5.14 313 FORNI ROAD SLOPE STABILIZATION D.5.53

D.5.15 314 STREET SWEEPING PROGRAM D.5.57
D.5.16 315 VACTOR TRUCK PROGRAM D.5.61
D.5.17 316 DIAMOND SPRINGS PARKWAY-ROADWAY AND DRAINAGE IMPROVEMENT PROJECT D.5.65
D.5.18 317 SOUTH EAST CONNECTOR-EXPRESSWAY LID PROJECTS D.5.69
D.5.19 318 HEADINGTON YARD TO WEBER CREEK CONVEYANCE D.5.73
D.5.20 319 COUNTYWIDE PARK BMP RETROFIT IMPROVEMENTS D.5.77
D.5.21 320 BMP COUNTYWIDE DEMONSTRATION PROJECTS D.5.81
D.5.22 323 URBAN ROADWAY IMPROVEMENT PROJECT-RAY LAWYER DRIVE, GRIND & OVERLAY PROJECT D.5.85
D.5.23 324 AIRPORT ROAD/BROADWAY CULVERT STORM DRAIN IMPROVEMENT D.5.89
D.5.24 326 SEWER RELOCATION-CLAY TO LOCUST D.5.93
D.5.25 327 EL DORADO HILLS LIBRARY WATER CONSERVATION PROJECT D.5.97
D.5.26 328 OUR WATER OUR WORLD - OUTREACH PROGRAM D.5.101
D.5.27 329 TRASH AMENDMENTS TMDL IMPLEMENTATION D.5.105
D.5.28 330 COUNTYWIDE WATER QUALITY AWARENESS CAMPAIGN D.5.109
D.5.29 331 COUNTYWIDE STORMWATER ASSET MANAGEMENT PROGRAM D.5.113
D.5.30 333 SPLASH IN THE CLASS - OUTREACH PROGRAM D.5.117
D.5.31 334 COUNTY WATER QUALITY STANDARDS IMPROVEMENT PROJECT . D.5.121
D.5.32 335 WEST SLOPE WATERSHED AND POLLUTANT GENERATION STUDY D.5.125
D.5.33 336 WEST SLOPE BMP MANUAL D.5.129
D.5.34 337 OUTINGDALE STORMWATER MANAGEMENT STUDY/PRE-DESIGN .. D.5.133
D.5.35 338 STORMWATER DETENTION BASIN- HANGTOWN CREEK FLOOD DAMAGE REDUCTION PROJECT D.5.137
D.5.36 339 FACILITY UPGRADES FOR THE EL DORADO DISPOSAL MRF D.5.141
D.5.37 340 UNION MINE LANDFILL RETENTION PONDS D.5.145
D.5.38 341 BMP FOR AGRICULTURAL EROSION AND SEDIMENT CONTROL MANUAL D.5.149
D.5.39 342 CULVERT REHABILITATION ALONG HIGHWAY 50 NEAR CAMERON PARK AND SHINGLE SPRINGS D.5.153
D.5.40 343 CULVERT REHABILITATION ALONG HIGHWAY 50 NEAR THE CITY OF PLACERVILLE D.5.157
D.5.41 345 CAMERON PARK DRAINAGE IMPROVEMENTS D.5.161
D.5.42 346 PRIORITY COUNTY CULVERT REPLACEMENTS D.5.165
D.5.43 347 SLY PARK PORTAL SUBDIVISION FLOOD MANAGEMENT PROJECT. D.5.169
D.5.44 348 FISH AND WILDLIFE ROUTINE MAINTENANCE AGREEMENT D.5.173
D.5.45 349 CEDAR RAVINE ROAD DRAINAGE IMPROVEMENT D.5.177
D.5.46 350 DEBBY LANE/GREEN VALLEY ROAD CULVERT IMPROVEMENT D.5.181
D.5.47 351 FULL CAPTURE STORM DRAIN INLET REPLACEMENTS IN PLACERVILLE D.5.185
D.5.48 352 LIONS PARK DRAINAGE IMPROVEMENT D.5.189
D.5.49 353 PLEASANT STREET STORM DRAIN IMPROVEMENT D.5.193

D.5.50 354 WILTSE ROAD STORM DRAIN IMPROVEMENT D.5.197
D.5.51 355 PIERROZ ROAD AT HANGTOWN CREEK, DRAINAGE IMPROVEMENT D.5.201
D.5.52 356 SAND RIDGE ROAD PAVING D.5.205
D.5.53 357 UPPER MAIN DITCH STORMWATER IMPROVEMENTS D.5.209

LIST OF TABLES

Table D.1. Project Types per SWRP Component for Quantitative Analysis D.1.1
Table D.2. Quantitative Benefit Category, Criteria and Metrics for Project Evaluations D.1.3
Table D.3. Quantitative Criteria and Metrics Applied by Project Type D.1.4
Table D.4. Project Types per SWRP Component for Quantitative Analysis D.1.5
Table D.5. Project Area of Extent by Component and Project Type D.1.6
Table D.6. Infiltration Rate by Soil Type D.1.11
Table D.7. Runoff Coefficient by Soil Type and Slope D.1.11
Table D.8. Calculations of Project 302 Volume of Stormwater Captured D.1.12
Table D.9. Calculations of Project 308 Volume of Stormwater Captured D.1.12
Table D.10. Calculations of Project 310 Volume of Stormwater Captured D.1.13
Table D.11. Calculations of Project 317 Volume of Stormwater Captured D.1.13
Table D.12. Calculations of Project 319 Volume of Stormwater Captured D.1.14
Table D.13. Calculations of Project 327 Volume of Stormwater Captured D.1.14
Table D.14 Calculations of Project 338 Volume of Stormwater Captured D.1.15
Table D.15 Calculations of Project 340 Volume of Stormwater Captured D.1.15
Table D.16 Calculations of Project 347 Volume of Stormwater Captured D.1.16
Table D.17 Summary of Stormwater Captured from the Water Capture Project Types D.1.16
Table D.18. Stormwater Management Component Water Capture Project Type Expected Net Yield by Water Year Type D.1.17
Table D.19 Example Project Evaluation Summary D.2.1

LIST OF FIGURES

Figure D.1. Historical Average Annual Precipitation Used to Determine Stormwater Capture Potential (1980-2010) D.1.9
Figure D.2. Identified Soil Types in the West Slope of El Dorado County D.1.10

D.1 QUANTITATIVE ANALYSIS

As discussed in Section 4.2.2 of the West Slope SWRP, the identified projects were evaluated using both qualitative and quantitative metrics to inform which projects within the three components could provide the greatest multi-benefits. Detailed qualitative and quantitative metrics are in Appendix C of the West Slope SWRP. This section describes which project types underwent quantitative analysis, the development process of the quantitative metrics used in project evaluations, and the quantitative evaluation methods. The remaining sections of the appendix presents the evaluation results for each project.

D.1.1 Project Types for Quantitative Analysis

Table D.1 shows the project types identified under the three SWRP components as discussed in Section 4.2.1 of the West Slope SWRP. The bolded project types indicate that quantitative analysis was performed for these project types. Of the project types identified, only three were not quantitatively analyzed: Renewable Energy project type under the Watershed Management component, and the Outreach Program and Management Program project types under the Stormwater Management component. Due to the conceptual nature of the Renewal Energy project types, a quantitative value was not able to be computed. The Outreach Program and Management Program project types are non-structural projects whose measurable benefits are indirect (e.g., increase awareness indirectly improves stormwater management), and were therefore only qualitatively analyzed. The following section describes the process for developing the quantitative metrics and their application to the identified project types per component.

Table D.1. Project Types per SWRP Component

Surface Water Storage SWRP Component	
Project Type	Description
Reservoir Creation	New reservoirs support regional water supply reliability, decrease flood risk, improve river water temperatures, and provide community benefits.
Reservoir Upgrade	Reservoir upgrades support regional water supply reliability, decrease flood risk, improve river water temperatures, and provide community benefits.
Watershed Management SWRP Component	
Project Type	Description
Post-Fire Restoration	Post-fire restoration improves the environmental health of local watersheds through removal of dead trees, thereby reducing carbon emissions and pollutants into local water bodies.
Renewable Energy	New biomass and compost facilities provide community benefits by creating local energy generation and reducing the amount of waste in landfills.
Forest Management	Forest management practices improve the environmental health of local watersheds through control of noxious weeds, and reduce the risk of wildfires through preventative actions (e.g., creating fuel breaks, reducing fire fuel, tree thinning, timber sales).

Table D.1. Project Types per SWRP Component (contd.)

Watershed Management SWRP Component (contd.)	
Water Quality Management	These practices identify existing problems or potential future issues, then support decision making related to pollution prevention and management strategies that improve the health of the environment.
Creek Restoration	Creek restoration (e.g., sediment load removal, culvert cleanout, bank stabilization, and invasive weed removal) improves the environmental health of local water bodies and aims to restore the natural state of the river system in support of water quality and flood management.
Stormwater Management SWRP Component	
Structural	
Project Type[1]	Description
Water Capture	Water capture systems (e.g., retention and detention ponds) collect stormwater runoff and divert flows for infiltration and retention to improve water quality by reducing runoff into local water bodies, enhance the community, and facilitate habitat restoration.
Water Quality Improvement	Water quality improvements (e.g., facility maintenance and updates to roadway, sewer, and water infrastructure) directly improve the health of the local watershed.
Non-Point Source Pollution Control	Non-point source pollution control management (e.g., street sweeper and vactor truck programs, enclosing facilities with known sources of pollution) help reduce pollution sources into local water bodies and directly improve water quality.
Flood Damage Reduction	Drainage improvements (replacement and addition of culverts and sewers) reduce the amount of stormwater runoff and decrease the occurrence and risk of flooding.
Non-Structural	
Project Type[1]	Description
Outreach Project	Outreach projects allow for community engagement related to stormwater management, littering, contamination, hydrology, watershed management, and may indirectly affect local ecosystem health.
Management Programs	Management of local watersheds water quality and environmental health are affected by road and drainage system data management in the West Slope area; best management practice manuals and internal protocols to manage stormwater projects; and development of urban, rural, and agricultural pollution generation studies.

Notes:
Project Types in **bold** underwent quantitative analyses.
[1]Projects may be assigned two project types (e.g., an Outreach Project may include a detention basin demonstration component which would also make it a Water Capture project type).
Key:
BMP = best management practices
LID = low impact development
SWRP = Stormwater Resource Plan

D.1.2 Quantitative Benefit Category, Criteria and Metrics

Section 4.2.2.1 of the West Slope SWRP discusses the metrics-based approach and shows the benefit categories and criteria used. Of the criteria and metrics shown in Table C.1 (Appendix C), five of them were quantitatively measured. Table D.2 lists these five quantitative metrics. Table D.3 shows which of the five quantitative metrics were applied a given project type.

Table D.2. Quantitative Benefit Category, Criteria and Metrics for Project Evaluations

Benefit Category	Criteria	Metric (unit)	Assessment Value	Scoring
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3
			Moderate Volume (200-400 AF/year)	2
			Low Volume (<200 AF/year)	1
			Not Applicable	0
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3
			Moderate Volume (200-400 AF/year)	2
			Low Volume (<200 AF/year)	1
			Not Applicable	0
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3
			Moderate Reduction (200-400 AF/year)	2
			Limited or No Reduction (<200 AF/year)	1
			Not Applicable	0
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3
			Moderate Improvement (2,000-15,000 feet or 900-4,000 acres)	2
			Low Improvement (<2,000 feet or <900 acres)	1
			Not Applicable	0
	Ecological Improvement	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3
			Moderate Improvement (2,000-15,000 feet or 900-4,000 acres)	2
			Low Improvement (<2,000 feet or <900 acres)	1
			Not Applicable	0

Key:
AF/year = acre-feet per year

Table D.3. Quantitative Criteria and Metrics Applied by Project Type

Benefit Category	Criteria	Metric (unit)	Quantitative Value Applied to Metric by Project Type									
			Surface Water Storage Component		Watershed Management Component				Stormwater Management Component			
			Reservoir Creation	Reservoir Upgrade	Post-Fire Restoration	Forest Management	Water Quality Management	Creek Restoration	Water Capture	Water Quality Improvement	Non-Point Source Pollution Control	Flood Damage Reduction
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	-	-	-	-	-	X	X	X	X	X
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	-	-	-	-	-	X	X	X	X	X
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	X	X	-	-	-	X	X	X	-	X
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	X	X	X	X	X	X	X	-	X	X
	Ecological Improvement	Degree of potential benefit or damage to ecosystems/ flora/fauna (varies)	X	X	X	X	X	X	X	-	X	X

Key:
X = Quantitative value applied to metric
- = not applicable, or only qualitative values used
AF/year = acre-feet per year

D.1.3 Methodology for Developing Quantitative Metrics

As described above, 10 of the 13 project types were quantitatively analyzed. Across the 10 project types, three quantitative values were used: total storage capacity, project area of extent, and volume of water captured. Table D.4 lists the quantitative values used and the number of projects for each project type. The following subsections describe the computations for the three quantitative values used.

Table D.4. Project Types per SWRP Component for Quantitative Analysis

Project Type	Number of Projects	Quantitative Values Used (units)
Surface Water Storage SWRP Component		
Reservoir Creation	1	Total Storage Capacity (acre-feet)
Reservoir Upgrade	1	Total Storage Capacity (acre-feet)
Watershed Management SWRP Component		
Creek Restoration	3	Project Area of Extent (linear feet)
Post-Fire Restoration	2	Project Area of Extent (acres)
Renewable Energy	5	*Not applicable, qualitative only*
Forest Management	21	Project Area of Extent (acres or linear feet)
Water Quality Management	4	Project Area of Extent (acres or linear feet)
Stormwater Management SWRP Component		
Structural		
Water Capture	8	Volume of Water Captured (acre-feet/year)
Water Quality Improvement	10	Project Area of Extent (acres or linear feet)
Non-Point Source Pollution Control	8	Project Area of Extent (acres)
Flood Damage Reduction	16	Project Area of Extent (linear feet)
Non-Structural		
Outreach Project	5	*Not applicable, qualitative only*
Management Programs	6	*Not applicable, qualitative only*

Notes:
One project was assigned two project types. An Outreach project type included a detention basin demonstration component which also makes it a Water Capture project type.
Key:
SWRP = Stormwater Resource Plan

1.1.1.1 Total Storage Capacity Computation

Total storage capacity was measured as the storage in acre-feet of the proposed new reservoir or upgraded reservoir. As projects move further into planning and design, an annual average increase in storage may be used in lieu of total storage. Regardless, generally, the larger the reservoir, the higher potential for additional storage on an average annual basis.

1.1.1.2 Project Area of Extent Computation

The project area of extent was generally provided by the project proponents. It was either represented as the linear distance of the project (e.g., number of river miles restored) or project area (e.g., number of acres affected by fires restored). If a project area of extent was not provided for a given project, GIS or Google Earth was used to determine the project's area of extent in either acres or linear feet where appropriate. Table D.5 summarizes the project area of extent computed for each applicable project, organized by project type.

Table D.5. Project Area of Extent by Component and Project Type

Project ID	Project Name	Project Area of Extent	
		Acres	Linear Feet
Watershed Management SWRP Component			
Post-Fire Restoration			
209	King Fire Watershed Restoration & Reforestation Project	1,400	-
210	Sand Fire Watershed Restoration & Reforestation Project	650	-
Forest Management			
219	Fire Adaptive along Highway 50-Fuels Reduction	1,100	-
220	Caples Watershed Improvement	8,800	-
222	General Sherman Integrated Resource Timber Contract-Timber Sale	3,000	-
223	Two-fer Integrated Resource Timber Contract-Timber Sale	10,376	-
225	Quintette Integrated Resource Timber Contract – Supplemental Information Report-Timber Sale	2,000	-
226	Western Georgetown Fuel Reduction Integrated Resource Timber Contract-Timber Sale	1,500	-
227	Georgetown Divide Fuelbreak	-	105,600
228	Jenkinson Lake Fuels Reduction	2,000	
229	Cesar Fire Salvage Stewardship	1,374	-
230	2-Chaix Fire Thinning	1,250	-
231	Pompeii Fire Salvage Stewardship	937	-
232	Quidazoic Fire Salvage Stewardship	1,000	-
233	Fred's Noxious Weed Treatment-Vegetation Management	500	-
234	King Fire Pile Burning	3,000	
235	Tobacco Gulch Integrated Resource Timber Contract-Timber Sale & Thinning Project	1,200	-
236	John Don't Fuels Reduction	4,250	-
237	O'leary Cow Integrated Resource Service Contract/ Integrated Resource Timber Contract-Timber Sale & Thinning Project	410	-
238	Trestle Integrated Resource Timber Contract-Timber Sale	4,000	-
239	Georgetown Insect Salvage Timber Sale	300	-
240	Middle Creek Integrated Resource Timber Contract-Timber Sale & Fuels Reduction Project	676	-

Table D.5. Project Area of Extent by Component and Project Type (contd.)

Project ID	Project Name	Project Area of Extent	
		Acres	Linear Feet
Water Quality Management			
202	Slate Creek Monitoring Project	-	25,765
217	Residual Lime Remediation near El Dorado Trail	0.17	-
Creek Restoration			
206	Carson Creek Restoration	-	26,712
207	New York Creek Restoration	-	12,580
208	Weber Creek Restoration	-	36,135
Stormwater Management SWRP Component			
Water Capture			
302	Canal Street LID Projects	-	4,949
310	Fairgrounds Water Quality Improvements	18	
317	South East Connector-Expressway LID Projects	51	-
319	Countywide Park BMP Retrofit Improvements	-	895
338	Stormwater Detention Basin- Hangtown Creek Flood Damage Reduction Project	57	-
347	Sly Park Portal Subdivision Flood Management Project	288	-
Water Quality Improvement			
301	Placerville Station II-Park and Ride Facility Improvements	-	1,203
303	Urban Roadway Improvement Project - Mosquito Road Stabilization, Grind & Overlay Project	-	3,700
305	Urban Roadway Improvement Project - Woodridge Court, Grind & Overlay Project	-	1,702
306	Urban Roadway Improvement Project - Martin Lane, Grind & Overlay Project	-	596
323	Urban Roadway Improvement Project-Ray Lawyer Drive, Grind & Overlay Project	-	611
326	Sewer Relocation-Clay to Locust	32.5	-
356	Sand Ridge Road Paving	-	61,606
Non-Point Source Pollution Control			
313	Forni Road Slope Stabilization	8.9	-
Flood Damage Reduction			
318	Headington Yard to Weber Creek Conveyance	-	4,810

Quantitative Assessment Value for Project Area of Extent-Related Metrics

After the project area of extent was computed, assessment values were developed based on professional judgment to roughly provide an even distribution of assessment values amongst the projects. High, moderate and low assessment values were assigned as follows:

- High Improvement: greater than 15,000 feet or greater than 4,000 acres
- Moderate Improvement: between 2,000 and 15,000 feet or between 900 and 4,000 acres
- Low Improvement: less than 2,000 feet or less than 900 acres

1.1.1.3 Volume of Water Captured Computation

The volume of stormwater captured was quantified as the potential average acre-feet/year of water that could be captured through implementing the project using precipitation data, soil type, and project area of extent.

First, GIS (Geographic Information System) was used to generate historical annual precipitation and soil-type data in El Dorado County. Historical annual (January through December) precipitation data (1922-2016) was obtained from the PRISM Climate Group, based at Oregon State University. This provided information on the amount of historical rainfall (inches/year) that occurred for a given watershed. For purposes of the West Slope SWRP, data on the Cosumnes and the American Watersheds were retrieved. To best represent the historical annual precipitation data for the quantitative analysis, the average precipitation over a 30 year period (1980-2010) was used to reflect more recent hydrology (Figure D.1).

Using GIS, soil data (Boomer gravelly loam 3-15% slopes, Auburn silt loam 2-30%, etc.) and soil location was obtained for the West Slope. Soil data was obtained from the NRCS SSURGO (Natural Resources Conservation Service Soil Survey Geographic Database). With the soil data, soil types could be spatially identified throughout El Dorado County. Figure D.2 shows the soil types that are found throughout El Dorado County. Certain soil types allow rainwater to infiltrate easier than others. A common classification of a soil's infiltration capabilities is summarized in Table D.6. "A" soil infiltrate water the best and therefore projects with an "A" soil type generate the least amount of runoff. "D" soil has the lowest infiltration rate and therefore contributes the most to runoff. Soil type, soil slope and land use is used to determine the runoff coefficient, which is a factor for the amount of runoff generated relative to the amount of precipitation received. Higher runoff coefficients correspond to higher runoff and lower infiltration capacities while lower runoff coefficients correspond to lower runoff and higher infiltration capacities. In Table D.7, the runoff coefficient for soil type "A" with a slope of 3 percent is lower than soil type "C" with a slope of 3 percent because type "A" soil has better infiltration potential. The water capture project types all have forest land use classifications.

Professional judgment was used to assign a project radius to generate a project area of extent if not provided by the project proponents. Based on the location of the project, estimated soil types and historical annual rainfall were determined.

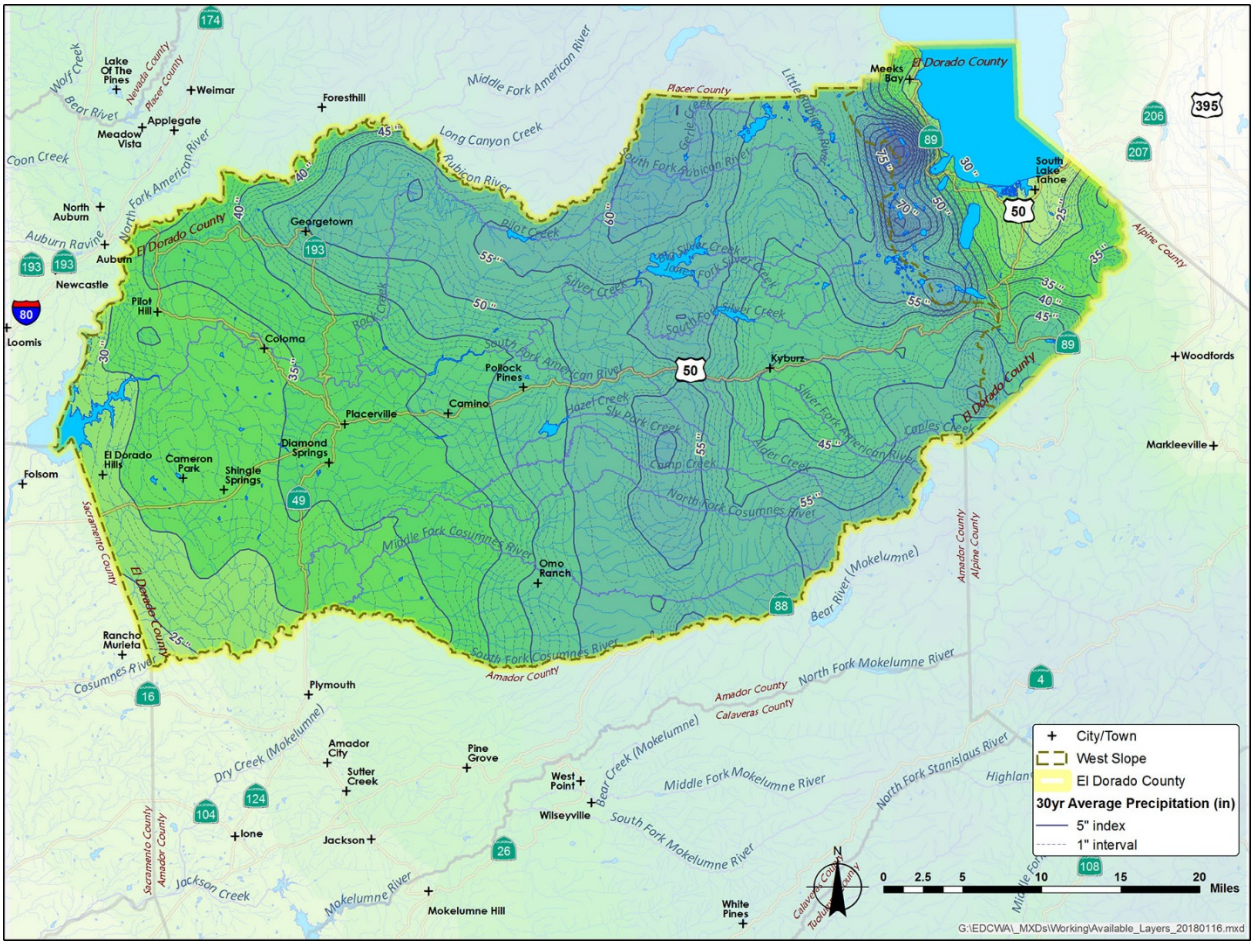

Figure D.1. Historical Average Annual Precipitation Used to Determine Stormwater Capture Potential (1980-2010)

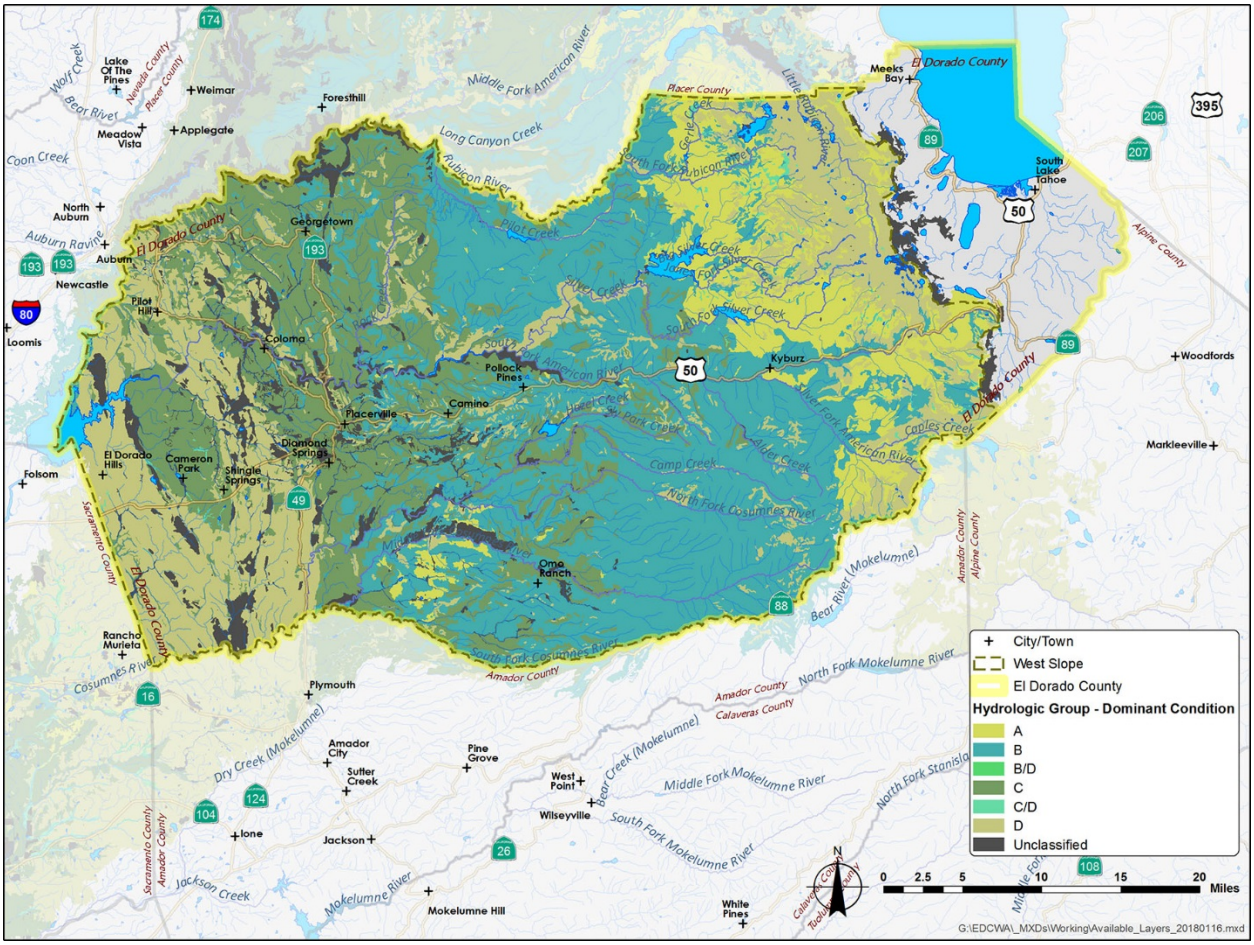

Figure D.2. Identified Soil Types in the West Slope of El Dorado County

Table D.6. Infiltration Rate by Soil Type

Soil Type	Infiltration Rate* (inches/hour)	Infiltration Potential
A	0.30	High
B	0.23	Moderate-High
C	0.10	Moderate-Low
D	0.03	Low

*Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html

Table D.7. Runoff Coefficient by Soil Type and Slope

	Runoff Coefficient*											
	Soil Type A			Soil Type B			Soil Type C			Soil Type D		
Slope	< 2%	2-6%	>6%	< 2%	2-6%	>6%	< 2%	2-6%	>6%	< 2%	2-6%	>6%
Forest	0.08	0.11	0.14	0.10	0.14	0.18	0.12	0.16	0.20	0.15	0.20	0.25

*Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Once the projects area of extent, infiltration rate, and runoff coefficient are determined, the volume of stormwater captured can be calculated with the following formula.

*Volume of Stormwater Captured = 184 * Runoff Coefficient * Infiltration Rate * Area*

This formula uses mixed units: runoff coefficient is unitless, infiltration rate is in inches per hour, area is in acres and the 184 is a unit of conversion to get volume of stormwater capture in acre-feet per year. Projects with different soil types and soil slopes can calculate the volume of stormwater captured based on the soil types percentage in the project area. Table D.8 through D.16 show the calculations for the nine stormwater management component projects. Table D.17 summarizes the volume of stormwater captured from the nine projects.

Table D.8. Calculations of Project 302 Volume of Stormwater Captured

Project ID	302					
Project Name	Canal Street LID Projects					
Component	Stormwater Management					
Project Radius[1]	200 feet on both sides of the road					
Total Area	48.2 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient**[2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
C	23.5	49%	3 to 15	0.18	0.10	307
C	24.6	51%	30 to 50	0.20	0.10	356
Total Volume of Stormwater Captured (acre-feet/year)						**663**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.9. Calculations of Project 308 Volume of Stormwater Captured

Project ID	308					
Project Name	Town of El Dorado Green Street Project					
Component	Stormwater Management					
Project Radius[1]	200 feet on both sides of the road					
Total Area	22.9 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient**[2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
D	2.5	51%	2 to 30	0.22	0.03	47
C	7.4	32%	9 to 15	0.20	0.10	107
Impervious Area	3.9	17%				
Total Volume of Stormwater Captured (acre-feet/year)						**154**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.10. Calculations of Project 310 Volume of Stormwater Captured

Project ID	310					
Project Name	Fairgrounds Water Quality Improvements					
Component	Stormwater Management					
Project Radius[1]	500 feet radius					
Total Area	18.0 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient** [2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
C	4.4	24%	3 to 15	0.18	0.10	57
C	13.6	76%	9 to 15	0.25	0.10	247
Total Volume of Stormwater Captured (acre-feet/year)						**304**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.11. Calculations of Project 317 Volume of Stormwater Captured

Project ID	317					
Project Name	South East Connector-Expressway LID Projects					
Component	Stormwater Management					
Project Radius[1]	1,500 feet radius					
Total Area	304.4 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient** [2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
D	304.1	100%	2 to 30	0.25	0.03	1,376
Impervious Area	0.3	0%				
Total Volume of Stormwater Captured (acre-feet/year)						**1,376**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.12. Calculations of Project 319 Volume of Stormwater Captured

Project ID	319					
Project Name	Countywide Park BMP Retrofit Improvements					
Component	Stormwater Management					
Project Radius[1]	500 feet radius					
Total Area	74.8 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient** [2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
A	4.3	8%	5 to 9	0.14	0.30	129
A	13.8	25%	9 to 15	0.11	0.30	329
C	11.9	11%	3 to 15	0.16	0.10	138
D	24.2	22%	2 to 30	0.20	0.03	88
Impervious Area	20.7	33%				
Total Volume of Stormwater Captured (acre-feet/year)						**684**

Notes: [1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.13. Calculations of Project 327 Volume of Stormwater Captured

Project ID	327					
Project Name	El Dorado Hills Library Water Conservation Project					
Component	Stormwater Management					
Project Radius[1]	500 feet radius					
Total Area	32.5 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient** [2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
D	29	89%	2 to 30	0.20	0.03	105
Impervious Area	3.5	11%				
Total Volume of Stormwater Captured (acre-feet/year)						**105**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.14 Calculations of Project 338 Volume of Stormwater Captured

Project ID	338					
Project Name	Stormwater Detention Basin- Hangtown Creek Flood Damage Reduction Project					
Component	Stormwater Management					
Project Radius[1]	1,500 feet radius					
Total Area	162.3 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient**[2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
C	95.9	59%	3 to 50	0.20	0.10	1,388
D	25.1	15%	15 to 70	0.25	0.03	114
C	17.5	11%	3 to 30	0.20	0.10	254
B	6.3	4%	15 to 30	0.18	0.23	183
Impervious Area	17.5	11%				
Total Volume of Stormwater Captured (acre-feet/year)						**1,939**

Notes: [1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.15 Calculations of Project 340 Volume of Stormwater Captured

Project ID	340					
Project Name	Union Mine Landfill Retention Pond					
Component	Stormwater Management					
Project Radius[1]	1,500 feet radius					
Total Area	162.3 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient**[2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
C	57.1	35%	3 to 50	0.20	0.10	826
D	3.0	2%	3 to 50	0.20	0.03	11
Impervious Area	102.2	63%				
Total Volume of Stormwater Captured (acre-feet/year)						**837**

Notes: [1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.16 Calculations of Project 347 Volume of Stormwater Captured

Project ID	347					
Project Name	Sly Park Portal Subdivision Flood Management Project					
Component	Stormwater Management					
Project Radius[1]	1,500 feet radius					
Total Area	288 acres					
Soil Type	**Soil Area (acres)**	**% of Area**	**Soil Slope (%)**	**Runoff Coefficient**[2]	**Infiltration Rate**[3] **(inches/hour)**	**Volume of Stormwater Captured (acre-feet/year)**
C	18.1	6%	15 to 50	0.20	0.10	262
B	2.2	1%	3 to 15	0.18	0.23	65
C	2.6	1%	3 to 30	0.20	0.10	37
D	13.7	5%	3 to 50	0.25	0.03	62
B	251.4	87%	9 to 50	0.18	0.23	7,372
Total Volume of Stormwater Captured (acre-feet/year)						**7,798**

Notes:
[1]Project assumption to calculate total project area
[2]Source: http://www.esf.edu/ere/endreny/GICalculator/SoilInstruction.html
[3] Source: http://www.brighthubengineering.com/hydraulics-civil-engineering/93173-runoff-coefficients-for-use-in-rational-method-calculations/#imgn_1

Table D.17 Summary of Stormwater Captured from the Water Capture Project Types

Project ID	**Project Name**	**Volume of Stormwater Captured** (acre-feet/year)
302	Canal Street LID Projects	663
308	Town of El Dorado Green Street Project	154
310	Fairgrounds Water Quality Improvements	304
317	South East Connector-Expressway LID Projects	1,376
319	Countywide Park BMP Retrofit Improvements	684
327	El Dorado Hills Library Water Conservation Project	105
338	Stormwater Detention Basin- Hangtown Creek Flood Damage Reduction Project	1,939
340	Union Mine Landfill Retention Pond	837
347	Sly Park Portal Subdivision Flood Management Project	7,798

Quantitative Analysis of Project Net Yield of Annual Precipitation

The volume of water captured was also quantified based on whether it was a wet, normal, or dry year as based on historical precipitation rates (1922-2016) discussed in Section 1.1.1.1. Wet years was calculated as the average of the top 33 percent of the historical precipitation rates, normal years was calculated as the average of the middle 33 percent of historical precipitation rates, and dry years was calculated as the average of the bottom 33 percent of the historical precipitation rates. Table D.18 shows the net yield values for the nine Water Capture project types. These values are found in the project's respective project description form in Appendix B.

Table D.18. Stormwater Management Component Water Capture Project Type Expected Net Yield by Water Year Type

Project ID	Project Name	Net Yield (acre-feet/year)		
		Normal	Wet	Dry
302	Canal Street LID Projects	150	206	105
308	Town of El Dorado Green Street Project	48	66	34
310	Fairgrounds Water Quality Improvements	56	77	39
317	South East Connector-Expressway LID Projects	164	226	113
319	Countywide Park BMP Retrofit Improvements	238	328	166
327	El Dorado Hills Library Water Conservation Project	13	17	9
338	Stormwater Detention Basin – Hangtown Creek Flood Damage Reduction Project	451	619	316
340	Union Mine Landfill Retention Pond	140	193	97
347	Sky Park Portal Subdivision Flood Management Project	897	1,231	628

Key: BMP = Best Management Practices, LID = Low Impact Development

Quantitative Assessment Value for Water Capture-Related Metrics

As described above, the volume of water captured was based on both the average annual historical precipitation and on hydrologic condition (normal, wet, dry). Regardless of which value was used, the ranking of the projects remained the same. Hence the volume based on average annual historical precipitation was selected to develop assessment values to provide a long-term average annual comparison. Using the computed volume of stormwater captured, professional judgment was used to develop a range of assessment values for the two criteria in the Water Quality benefit category and one criterion in the Flood Management benefit category, as shown in Table D.2, to provide a roughly even distribution of scores. General high, moderate and low assessment values were assigned as follows:

- High Volume/Reduction: greater than 400 acre-feet per year
- Moderate Volume/Reduction: between 200 and 400 acre-feet per year
- Low Volume/Limited Reduction: less than 200 acre-feet per year

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D.2 INTRODUCTION – PROJECT EVALUATION SUMMARY

Projects were evaluated based on the information provided in this appendix's Project Description Forms, quantitative and qualitative analyses, and best engineering judgment. Table D.19 shows an example of a Project Evaluation Summary.

Table D.19 Example Project Evaluation Summary

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:		Planning Area(s):			
Project Name:		Component:			
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)			
	Nonpoint source pollution control	Pollutant Load Reduction			
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)			
Water Supply	Water supply reliability	Amount of local supply generated			
	Water conservation	Reduction in annual water use			
	Conjunctive use	Volume Recharged			
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)			
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction			
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)			
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved			
	Improved Air quality*	Degree of potential benefit or damage to air quality			
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)			
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.			
	Water temperature improvements	Reduction in water temperature			

Table D.19 Example Project Evaluation Summary (contd.)

Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas			
	Community Involvement	Involvement of stakeholders in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)			
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas			
	Employment opportunities provided	Increased Opportunities for Employment			
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity			
	Eligibility for External Funding	Likelihood that outside funding will be available for this project			
Implementation Complexity*	Constructability	Degree of engineering complexity of project			
	Institutional Complexity	Degree of new partnerships and agreements needed			
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)			
	Public Acceptance	Degree of acceptance by public			
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements			

Note:
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

Table D.19 shows the project ID, project name, planning area(s) and component. The ID is the associated project identification number. Project ID's with the 1XX format represent projects categorized under the Surface Water Storage component. Project ID's with the 2XX and 3XX format represent projects categorized under the Watershed Management component and Stormwater Management component, respectively. The Project Name is the name of the project or program evaluated. The Planning Area(s) are only applicable for projects within the Stormwater Management component. The planning area(s) are discussed in more detail in Section 2.3 of the West Slope Stormwater Resource Plan (SWRP). The component identifies which of the three components the project is categorized under: Surface Water Management, Watershed Management or Stormwater Management. The table also outlines the benefit categories, criteria, metrics, assessment values and associated scores. The development of these is discussed further in Section 4.2.2 and Appendix C of the West Slope SWRP. The complete table with all the possible assessment values and associated scores for each metric is found in Appendix C Table C.1. Using Table C.1, a project was assigned an assessment value and score under each benefit category and criteria. The notes column provides a description of why the selected assessment value or score was appropriate for each project. The notes also identify the units for the quantitative metrics. If projects were too conceptual in nature, best engineering judgment was used to assign a quantitative value based on

similar quantifiable projects. Also, nonstructural projects were not quantitatively assessed because the benefits that most of these projects would provide are indirect.

The following sections outline the project evaluation summary sheets for the Surface Water Storage, Watershed Management, and Stormwater Management projects.

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D.3 SURFACE WATER STORAGE COMPONENT PROJECT EVALUATION SUMMARY SHEETS

D.3.1 100 Alder Reservoir

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:100 Project Name: Alder Reservoir			Component: Surface Water Storage		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not include this as an objective/goal.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	ACR would be managed for downstream environmental flow enhancement and water quality protection for the Delta-don't think there is a direct pollutant load reduction with project
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not include this as an objective/goal.
Water Supply	Water supply reliability	Amount of local supply generated	Supply used regionally	3	ACR would provide a substantial water supply to the region.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective/goal.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective/goal.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	ACR would provide measurable benefits to existing flood control operations for protection and Sac region.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective/goal.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	ACR would provide aquatic habitat enhancement and improve habitat quality to tributaries like Alder Creek and lower reaches of S. Fork American River.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Project does not include this as an objective/goal.
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Project would provide water supply demands and environmental flows.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Regional Benefit (county-wide)	3	Project does not include this as an objective/goal.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	ACR would provide aquatic habitat enhancement and improve habitat quality to tributaries like Alder Creek and lower reaches of S. Fork American River.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Regional Benefit	3	ACR would provide up to 470,000 MWh annual power production.
	Water temperature improvements	Reduction in water temperature	Direct reduction in water temperature	3	Project would create water temperature improvements downstream for environmental health
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Large water resources component, benefit to educate folks on local water supplies, update form
	Community Involvement	Involvement of stakeholders in	High Community Involvement	3	Involve a lot of public outreach

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	ARC would provide local and regional benefits to all communities, include DAC's and
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	ARC would provide tourism promoted from multiple stakeholders (state, regional, local) (i.e. camp, fish, boat, swim, hiking etc.)
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Reservoir would be solely operated under a public agency, and provide a direct benefit to tourism industry.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Likely	3	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	ARC project had a feasibility study for three possible size reservoirs.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	ARC would create a single local agency to oversight to regulations, administration, contracts and public/stakeholder inputs
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	ARC would need multiple project documents and permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public acceptance

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assume that the land has already been obtained
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.3.2 104 Silver Lake Dam Remediation

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:104 Project Name: Silver Lake Dam Remediation				Component: Surface Water Storage	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not include this as an objective/goal.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not include this as an objective/goal.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not include this as an objective/goal.
Water Supply	Water supply reliability	Amount of local supply generated	Supply used regionally	3	Project supports water supply reliability in the region.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective/goal.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective/goal.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	The replacement of the dam will assure that there is sufficient capacity to pass the probable maximum flood without overtopping the dam.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective/goal.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	Project will provide aquatic habitat enhancement and improve habitat quality to tributaries.
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not include this as an objective/goal.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Project would provide water supply demands and environmental flows.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not include this as an objective/goal.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	Project will provide aquatic habitat enhancement and improve habitat quality to tributaries.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not include this as an objective/goal.
	Water temperature improvements	Reduction in water temperature	Direct reduction in water temperature	3	Project would create water temperature improvements downstream for environmental health.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Large water resources component that will benefit to educate folks on local water supplies.
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Project will involve a lot of public outreach.
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Project would provide local and regional benefits to all

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		communities, including DACs and EDAs.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	To improve local recreational area.
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Employment will be available only during the construction period.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption.
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Likely	3	Very likely to find funding for the project.
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project is in the planning process.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Partnership between EID and EDCWA.
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/ local permits	1	Multiple project documents and permits would be needed: FERC license amendment, SWRCB, Army Corps of Engineers, CDFW
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public acceptance.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	No need of purchasing additional land.
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4 WATERSHED MANAGEMENT COMPONENT PROJECT EVALUATION SUMMARY SHEETS

D.4.1 200 Biomass Plant – Union Mine

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:200 Project Name: Biomass Plant – Union Mine				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Depending on the sources of waste, project has potential to treat-don't think it treats runoff
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Potential to treat large amount of human and organic waste that would otherwise end up in environment
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate and LID drainage projects.
Water Supply	Water supply reliability	Amount of local supply generated	Recycled supply generated	1	Water supplied used for reuse within the project biomass system. Probably not used for potable use.
	Water conservation	Reduction in annual water use	Reduces current water use	2	Project has potential to reuse system water and reduce total annual demand.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate and LID drainage projects.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project does not have a direct impact to ecosystem acreage

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project does not have a direct impact to ecosystem acreage
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Regional Benefit	3	Power generation assumed to be larger than power consumption.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational	Regional benefit (county-wide)	3	Project does not enhance or create a recreational/public use area directly but waste that is sent here will improve the areas from which it came from

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		and public use areas			
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	County, PGE, Forestry Dept., MERF, a lot of public outreach
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many county wide locations would benefit from this facility
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not enhance or create a recreational/public use area
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project would require O&M after construction.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	No specific planning document/ engineering has been developed for this project.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County, PGE, Forestry Dept., MERF

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project would require permits
	Public Acceptance	Degree of acceptance by public	Some Public Acceptance and Moderate Support	2	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.2 202 Slate Creek Monitoring Project

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:202 Project Name: Slate Creek Monitoring Project				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not currently propose developing infrastructure to treat for water quality in Slate Creek
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project will monitor nonpoint source pollution, but not treat sources
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not currently propose developing infrastructure to treat for water quality in Slate Creek
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is not creating a water supply
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project goals
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project goals
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project goals
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project goals
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Slate Creek near the town of El Dorado, specifically in Slate Creek and its tributaries after and within the Town of El Dorado, apx 25,765 ft. of Slate Creek-Google Earth Estimate
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not in project goals

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not in project goals
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not in project goals
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Slate Creek near the town of El Dorado, specifically in Slate Creek and its tributaries after and within the Town of El Dorado, apx 25,765 ft. of Slate Creek-Google Earth Estimate
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project goals
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project goals
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Town of El Dorado would Benefit
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Assume moderate public outreach in the Town of El Dorado
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Local communities would benefit; Location falls inside

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community (ies)		the 2010-2014 DAC Block Groups identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	No recreational benefit
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Unlikely long term opportunities, but some employment opportunities are possible for the short term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual; Currently no project scope or BMPs
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Town of El Dorado, El Dorado County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Depends on the extent of the monitoring. Fish and Wildlife, USGS, RWCQB may want to be involved/receive data.
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.3 206 Carson Creek Restoration

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:206 Project Name: Carson Creek Restoration			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	No calculations done; Swales will be added along the creek wherever there is a road nearby, so stormwater runoff can be treated and not impact the water quality of the creek.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done for weed and sediment removal, and LID projects
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Project opportunity to add swales along creek for stormwater runoff control; no calculations done
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	No supply created
	Water conservation	Reduction in annual water use	Not Applicable	0	Not included in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not included in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	Reclaimed water ponds, value depends on project site area- no calculations done
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	No mention of sanitary sewer
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Carson Creek south of Highway 50 apx 26,712 ft.- Google Earth Approximation, Project includes bank stabilization
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not included in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	No calculations done: Project has opportunity to remove impervious area from the creek, would need exact size
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not included in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Carson Creek south of Highway 50 apx 26,712 ft.- Google Earth Approximation, Project includes bank stabilization
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not included in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	No water temperature changes
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Communities near Carson Creek South of HWY 50
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	Moderate public outreach in local communities

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Local communities would benefit but would not benefit DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Moderate Improvement	2	Project Assumption
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Creek restoration, LID projects
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Not Applicable	0	El Dorado County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Likely - Fish and Wildlife, USGS, RWCQB may want to be involved/receive data.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.4 207 New York Creek Restoration

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:207 Project Name: New York Creek Restoration			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	No calculations done; Swales will be added along the creek wherever there is a road nearby, so stormwater runoff can be treated and not impact the water quality of the creek.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done for weed and sediment removal, and LID projects
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	No calculations done; Project opportunity to add swales along creek for stormwater runoff control
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	No supply created
	Water conservation	Reduction in annual water use	Not Applicable	0	Not included in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not included in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	No calculations done; Reclaimed water ponds, value depends on project site area
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	No mention of sanitary sewer
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	2	Carson Creek south of Highway 50 apx 26,712 ft.- Google Earth Approximation, Project includes bank stabilization
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not included in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	Need Calculation: Project has opportunity to remove impervious area from the creek, would need exact size
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not included in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	2	Carson Creek south of Highway 50 apx 26,712 ft.- Google Earth Approximation, Project includes bank stabilization
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not included in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	No water temperature changes
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Communities near Carson Creek South of HWY 50
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	3	Moderate public outreach in local communities

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Local communities would benefit but would not benefit DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Moderate Improvement	2	Project Assumption
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	1	Creek restoration, LID projects
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Not Applicable	1	El Dorado Hills Community Service District, El Dorado County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Likely - Fish and Wildlife, USGS, RWCQB may want to be involved/receive data.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.5 208 Weber Creek Restoration

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:208 Project Name: Weber Creek Restoration			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	No calculations done: Reclaimed water ponds, value depends on project site area
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done: Project includes removing sediment loads
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	No calculations done: Project opportunity to add swales along creek for stormwater runoff control
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	No supply created
	Water conservation	Reduction in annual water use	Not Applicable	0	Not included in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not included in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	No calculations done: Reclaimed water ponds, value depends on project site area
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	No mention of sanitary sewer
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Weber Creek between Cedar Ravine Rd. and the confluence of Hangtown Creek, apx 36,135 ft.-Google Earth Approximation; Project includes bank stabilization
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not included in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	No calculations done: Project has opportunity to remove impervious area from the creek, would need exact size
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not included in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Weber Creek between Cedar Ravine Rd. and the confluence of Hangtown Creek, apx 36,135 ft.-Google Earth Approximation; Project includes bank stabilization
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not included in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not included in project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Communities North of HWY 50
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	Moderate public outreach in local communities

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	local communities would benefit; Project falls under the 2010-2014 DAC Tracts as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Moderate Improvement	2	Project Assumption
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Creek Restoration, LID projects
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	El Dorado Hills Community Service District, El Dorado County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Need environmental compliance

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	No Willing Property Owner Identified	0	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.6 209 King Fire Watershed Restoration & Reforestation Project

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:209 Project Name: King Fire Watershed Restoration & Reforestation Project			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not include this as an objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Not sure if we can calculate this. Removing stream debris and dead trees will improve pollution in watershed
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not include this as an objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not include this as an objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not include this as an objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	Project covers 1400 acres; this 1400 acres is private and nonindustrial land, how much improvement does the project reasonably expect in the 1400 acres.
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project covers private and nonindustrial land, not recreational or green space

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not include this as an objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Regional Benefit (county-wide)	3	Project includes Carbon sequestration and reduce emission of GHG; increase potential carbon sequestration and achieve greenhouse gas emissions reduction through the reforestation of the burned area.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	Project covers 1400 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not include this as an objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not include this as an objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Private and nonindustrial lands are in project scope.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Caltrans, Private, Georgetown Divide Resource Conservation District; not much community involvement since project will occur in private lands an industrial lands
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Although the project will occur on private lands and industrial lands, it will provide regional benefits; Project Falls under the 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Private and nonindustrial lands are in project scope.
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Multiple aspects of project could create long term opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	CEQA compliance completed
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Caltrans, Private, Georgetown Divide Resource Conservation District, Calfire
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	EIR/EIS, or multiple Federal/State/local permits	1	CEQA, EIR

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.7 210 Sand Fire Watershed Restoration & Reforestation Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:210	
Project Name: Sand Fire Watershed Restoration & Reforestation Project	Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not include this as an objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Not sure if we can calculate this. Removing debris and dead trees will improve pollution in watershed
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not include this as an objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not include this as an objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not include this as an objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Project covers 650 acres; this 650 acres is private and nonindustrial land, how much improvement does the project reasonably expect in the 650 acres.
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project covers private and nonindustrial land, not recreational or green space

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not include this as an objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Regional Benefit (county-wide)	3	Project includes Carbon sequestration and reduce emission of GHG; increase potential carbon sequestration and achieve greenhouse gas emissions reduction through the reforestation of the burned area.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Project covers 650 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not include this as an objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not include this as an objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Private and nonindustrial lands are in project scope.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Caltrans, Private, Georgetown Divide Resource Conservation District; not much community involvement since project will occur in private lands an industrial lands
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Although the project will occur on private lands, it will provide regional benefits
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Private and nonindustrial lands are in project scope.
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Multiple aspects of project could create long term opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	CEQA compliance completed
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Caltrans, Private, Georgetown Divide Resource Conservation District, County, Calfire
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	EIR/EIS, or multiple Federal/State/local permits	1	CEQA, EIR

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.8 212 Cosumnes River Water Quality Monitoring Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:212 Project Name: Cosumnes River Water Quality Monitoring Program			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not included in project
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not included in project
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not included in project
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not included in project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not included in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not included in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not included in project
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not included in project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not included in project
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not included in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not included in project
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not included in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not included in project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not included in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not included in project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is implemented region wide
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	ARC, USFWS, UC Davis, UC Water; Over 50 trained Citizen Scientists participate in the monitoring effort, donating thousands of volunteer hours
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Outingdale and Gold Beach DACs would benefit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Project is implemented region wide
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Volunteer based program; Over 50 trained Citizen Scientists participate in the monitoring effort, donating thousands of volunteer hours
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project is part of an on-going program
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	ARC, USFWS, UC Davis, UC Water
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	SWAMP permit
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.9 213 Anaerobic Digestion System at Union Mine WWTP

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:213 Project Name: Anaerobic Digestion System at Union Mine WWTP			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Depending on the sources of waste, project has potential to treat-don't think so, not treating runoff
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Potential to treat large amount of human and organic waste that would otherwise end up in environment
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate and LID drainage projects.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project does not have a direct impact to ecosystem acreage
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project does not have a direct impact to ecosystem acreage
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Regional Benefit	3	Power generation assumed to be larger than power consumption; compressed natural gas will be generated that can be used as a fuel, effluent that can be used for agricultural application, and biogas that can be converted to electricity. The generated electricity could be used on site or sold to PG&E or SMUD.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project does not enhance or create a recreational/public use area directly but waste that is sent here will improve the areas from which it came from
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	Moderate community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many county wide locations would benefit from system
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not enhance or create a recreational/public use area
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project would require O&M after construction.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	No specific planning document/ engineering has been developed for this project.
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Environmental Management
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project would require permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Some Public Acceptance and Moderate Support	2	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.10 214 In-Vessel Composting System at Union Mine Landfill or MRF

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:214 Project Name: In-Vessel Composting System at Union Mine Landfill or MRF			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Potential to treat large amount of human and organic waste that would otherwise end up in environment
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not in project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project does not have direct impact on ecosystem improvements
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Has some indirect improvements
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Power generated has potential to be sold to other parties.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Public would have access to utilize project.
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Moderate community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many county wide locations would benefit from system
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project would require O&M after construction.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	No specific planning document/ engineering has been developed for this project.
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Environmental Management
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project would require permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Some Public Acceptance and Moderate Support	2	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.11 215 Composting Facility within El Dorado County

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:215 Project Name: Composting Facility within El Dorado County				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Potential to treat large amount of human and organic waste that would otherwise end up in environment
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not in project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project does not have direct impact on ecosystem improvements
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project does not incorporate this objective.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Public would have access to utilize project.
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Moderate community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many county wide locations would benefit from facility
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project would require O&M after construction.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	No specific planning document/ engineering has been developed for this project.
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Environmental Management
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project would require permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Some Public Acceptance and Moderate Support	2	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.12 217 Residual Lime Remediation near El Dorado Trail

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:217 Project Name: Residual Lime Remediation near El Dorado Trail			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not include this as an objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done for project clean up extent. Project to reduce pollution source through cleanup
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not include this as an objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not include this as an objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not include this as an objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Project near El Dorado Trail, apx 7,319 ft^2-Google Earth Approximation. Equivalent to 0.17 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not include this as an objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not include this as an objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not include this as an objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Project near El Dorado Trail, apx 7,319 ft^2-Google Earth Approximation. Equivalent to 0.17 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not include this as an objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not include this as an objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Not a recreational benefit project, will improve the visual appearance of surface waters along the El Dorado Trail.
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Two stakeholders or more: County, private property owners, CVRWQCB, concerned citizens

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found in 2010-2014 DAC Tracts as identified by the CA Department of Water Resources; many will benefit
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Enhancing near Trail. Need project area
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Remediation and monitoring
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Document available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Two stakeholders or more: County, private property owners, CVRWQCB, concerned citizens
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Unknown for permits, monitoring will likely have to meet RWQCB requirements.
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	No Willing Property Owner Identified	0	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.13 218 Countywide Water Quality Monitoring

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:218 Project Name: Countywide Water Quality Monitoring				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is a monitoring program
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project is a monitoring program
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is a monitoring program
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is a monitoring program
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is a monitoring program
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is a monitoring program
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is a monitoring program
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is a monitoring program
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is a monitoring program
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or	Not Applicable or Reduces Green Space	0	Project is a monitoring program

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is a monitoring program
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is a monitoring program
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is a monitoring program
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is a monitoring program
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is a monitoring program
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is a monitoring program that would benefit entire county
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Two stakeholders or more - Water Board, USGS, FERC reporters (i.e., SMUD, PG&E), County, City of Placerville, Conservancies and Coalitions; high community involvement since county wide project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project is a monitoring program; provide county wide benefits to all communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is a monitoring program
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Employee and potential Volunteer program
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	County
Implementation Complexity*	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	IS/ND/MND, or some State and/or local permits	2	Probably state and local permitting

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Monitoring program does not need to acquire land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.14 219 Fire Adaptive along Highway 50-Fuels Reduction

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:219 Project Name: Fire Adaptive along Highway 50-Fuels Reduction			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not in project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	500 acres treated; habitat for aquatic and terrestrial species will be protected and enhanced, project create benefits for more than 1100 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not in project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not in project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not in project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	500 acres treated; habitat for aquatic and terrestrial species will be protected and enhanced, project create benefits for more than 1100 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not in project objective
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	CALFIRE, RCD, Mule Deer Foundation, USFS; moderate community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project can be found in DAC Block Groups 2010-2014, DAC Places 2010-2014, DAC Tracts 2010-2014 as identified by the CA Department of Water Resources; benefit multiple communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Sly Park Phase, Camino/Pollock Pines, Highway 50 Roadside
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Overall moderate time frame for project employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	In the Implementation phase, with some NEPA/CEQA still being completed by RCD
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	USFS, RCD, Calfire, Mule Deer Foundation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not required for this project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.15 220 Caples Watershed Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:220 Project Name: Caples Watershed Improvement			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not in project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	8800 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Not in project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not in project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Local Benefit (city/town)	2	25 acres of meadow and Aspen Stand restoration
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	8880 acres benefitted
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Need to check if this is in a recreational area-assume space is open to public
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Sierra Nevada Conservancy, USFS; Low public engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Benefit countywide communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	8880 acres benefitted
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Moderate employment opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Sierra Nevada Conservancy, FS
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Implementation phase
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Sierra Nevada Conservancy, FS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	NA

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.16 221 Camino Biomass Facility

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:221 Project Name: Camino Biomass Facility				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Depending on the sources of waste, project has potential to treat-don't think so
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Potential to treat large amount of human and organic waste
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate and LID drainage projects.
Water Supply	Water supply reliability	Amount of local supply generated	Recycled supply generated	1	Water supplied used for reuse within the project biomass system. Probably not used for potable use.
	Water conservation	Reduction in annual water use	Reduces current water use	2	Project has potential to reuse system water and reduce total annual demand.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate and LID drainage projects.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project does not incorporate this objective.
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project does not incorporate this objective.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Regional Benefit	3	Power generated has potential to be sold to other parties.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project does not enhance or create a recreational/public use area directly but waste that is sent here will improve the areas from which it came from
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	AQMD and El Dorado County of Env. Management; a lot of public outreach

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project would have public accessibility.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not enhance or create a recreational/public use area
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project would require O&M after construction.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	No specific planning document/ engineering has been developed for this project.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	AQMD and El Dorado County of Env. Management
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project would require permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Some Public Acceptance and Moderate Support	2	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.17 222 General Sherman Integrated Resource Timber Contract-Timber Sale

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:222 Project Name: General Sherman Integrated Resource Timber Contract-Timber Sale			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	3000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	3000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS; Low public engagement
	Environmental Justice*	Perceived benefits/impa	Not Applicable	0	Not in a Disadvantaged Community

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)			
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	3000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Timber contract and sale
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Not Applicable	3	Project does not incorporate this objective.
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.18 223 Two-fer Integrated Resource Timber Contract-Timber Sale

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:223

Project Name: Two-fer Integrated Resource Timber Contract-Timber Sale Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	10,376 planning acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	10,376 planning acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS; low engagement
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Many communities would benefit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	10,376 planning acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Timber contract and sale
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	USFS and South Fork American River Cohesive Strategy
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of,	Not Applicable	3	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		acquiring necessary parcels/easements			
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.19 224 Reservoir Thinning Integrated Resource Timber Contract

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:224 Project Name: Reservoir Thinning Integrated Resource Timber Contract			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	Some improvements-acreage unknown
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	some improvements-acreage unknown
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Low engagement; SOFAR Cohesive Strategy, USFS
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Multiple communities benefit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Some improvements-acreage unknown
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Timber contract and sale
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to this project
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.20 225 Quintette Integrated Resource Timber Contract – Supplemental Information Report-Timber Sale

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:225

Project Name: Quintette Integrated Resource Timber Contract – Supplemental Information Report-Timber Sale Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	2000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	2000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many communities would benefit
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	2000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Timber contract and sale
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.21 226 Western Georgetown Fuel Reduction Integrated Resource Timber Contract-Timber Sale

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:226

Project Name: Western Georgetown Fuel Reduction Integrated Resource Timber Contract-Timber Sale

Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1500 acres
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1500 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Multiple areas benefit
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	1500 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Timber contract and sale
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.22 227 Georgetown Divide Fuelbreak

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:227 Project Name: Georgetown Divide Fuelbreak			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Some improvement, acreage unknown. About 20 miles
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Some improvement, acreage unknown. About 20 miles
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project does not incorporate this objective.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	some benefit, acreage unknown
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning - Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.23 228 Jenkinson Lake Fuels Reduction

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:228 Project Name: Jenkinson Lake Fuels Reduction			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	2000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	2000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	RCD, Mule Deer, USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project does not incorporate this objective.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	2000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project Planning under design
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	RCD, Mule Deer, USFS, County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.24 229 Cesar Fire Salvage Stewardship

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:229 Project Name: Cesar Fire Salvage Stewardship			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1374 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1374 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project does not incorporate this objective.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	1374 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation Underway
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.25 230 2-Chaix Fire Thinning

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:230 Project Name: 2-Chaix Fire Thinning			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1250 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1250 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement
	Environmental Justice*	Perceived benefits/impacts distributed	Benefits distributed	3	many communities benefit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	1250 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation Underway
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to project
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.26 231 Pompeii Fire Salvage Stewardship

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:231 Project Name: Pompeii Fire Salvage Stewardship			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	937 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	937 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project benefits many communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	937 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation Underway
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not Applicable to Project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.27 232 Quidazoic Fire Salvage Stewardship

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:232 Project Name: Quidazoic Fire Salvage Stewardship			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	1000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS;low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Many communities benefit
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	1000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation Underway
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not Applicable to Project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.28 233 Fred's Noxious Weed Treatment-Vegetation Management

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:233 Project Name: Fred's Noxious Weed Treatment-Vegetation Management			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	500 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	500 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS;low engagement
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Would benefit DAC

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	500 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not Applicable to Project
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.29 234 King Fire Pile Burning

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:234 Project Name: King Fire Pile Burning			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter pollution in waterbodies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	3000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	3000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project Falls under the 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	3000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project Implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Not applicable to project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.30 235 Tobacco Gulch Integrated Resource Timber Contract-Timber Sale & Thinning Project

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:235

Project Name: Tobacco Gulch Integrated Resource Timber Contract-Timber Sale & Thinning Project

Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	1200 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	1200 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy Collaborative, Central Sierra Tahoe Initiative, USFS; low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Multiple communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	1200 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	SOFAR Cohesive Strategy Collaborative, Tahoe-Central Sierra Initiative, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.31 236 John Don't Fuels Reduction

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:236 Project Name: John Don't Fuels Reduction			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction in organic matter
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	4250 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	4250 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS;low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Multiple communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	4250 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete - awaiting implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	USFS, South Fork American River Cohesive Strategy
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project does not incorporate this objective.
	Public Acceptance	Degree of acceptance by public	Reduces occurrence of pollutant loads	3	Reduction in organic matter

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
			at multiple locations		
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Not Applicable	3	Project does not incorporate this objective.
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.32 237 O'leary Cow Integrated Resource Service Contract/ Integrated Resource Timber Contract-Timber Sale & Thinning Project

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:237

Project Name: O'leary Cow Integrated Resource Service Contract/ Integrated Resource Timber Contract-Timber Sale & Thinning Project

Component: Watershed Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	410 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	410 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS;low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Multiple communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	410 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete - awaiting implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	U.S. Forest Service and South Fork American River Cohesive Strategy
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Not Applicable	3	Project does not incorporate this objective.
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.33 238 Trestle Integrated Resource Timber Contract-Timber Sale

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:238 Project Name: Trestle Integrated Resource Timber Contract-Timber Sale			Component: Watershed Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	4000 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	4000 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement
	Environmental Justice*	Perceived benefits/impa	Not Applicable	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)			
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	4000 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete - awaiting implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.4.34 239 Georgetown Insect Salvage Timber Sale

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:239 Project Name: Georgetown Insect Salvage Timber Sale				Component: Watershed Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Approx. 300 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Approx. 300 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	USFS; low engagement
	Environmental Justice*	Perceived benefits/impacts distributed	Benefits distributed	3	Multiple communities

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Low Improvement	1	Approx. 300 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete - awaiting implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring	Not Applicable	3	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		necessary parcels/easements			

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.4.35 240 Middle Creek Integrated Resource Timber Contract-Timber Sale & Fuels Reduction Project

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:240 Project Name: Middle Creek Integrated Resource Timber Contract-Timber Sale & Fuels Reduction Project			Component: Watershed Management		
Benefit Category	**Criteria**	**Metric**	**Assessment Value**	**Score**	**Notes**
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project does not incorporate this objective.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project does not incorporate this objective.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not incorporate this objective.
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate this objective.
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate this objective.
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not incorporate this objective.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not incorporate this objective.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	676 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not incorporate this objective.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not incorporate this objective.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate this objective.
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	676 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate this objective.
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not incorporate this objective.
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not incorporate this objective.
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	SOFAR Cohesive Strategy, USFS;low engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project does not incorporate this objective.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	676 acres
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Short Term
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Complete - awaiting implementation
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	SOFAR Cohesive Strategy, USFS
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Not Applicable	0	Project Assumption
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project Assumption

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5 STORMWATER MANAGEMENT COMPONENT PROJECT EVALUATION SUMMARY SHEETS

D.5.1 300 Urban Roadway Improvement Project - Western Placerville Interchange

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:300 — Planning Area(s): Ridge Communities

Project Name: Urban Roadway Improvement Project - Western Placerville Interchange — Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	In addition to including delineated wetlands and full-capture trash devices that will ultimately improve the water quality of the region and help reduce nonpoint source pollution.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	In addition to including delineated wetlands and full-capture trash devices that will ultimately improve the water quality of the region and help reduce nonpoint source pollution.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Not project objective
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting	Local benefit (city/town)	2	Class 1 and Class 2 pedestrian and bike facilities

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		from the enhanced and/or created recreational and public use areas			
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	City of Placerville, California Department of Transportation, El Dorado Irrigation District, U.S. Department of Transportation; moderate community involvement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls within the 2010-2014 DAC Places as identified by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Class 1 and Class 2 pedestrian and bike facilities; depends on the length of the bike paths
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction type projects; Project identifies multiple job opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning and Engineering documents available; in Design phase

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	City of Placerville and Caltrans
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project needs multiple permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.2 301 Placerville Station II-Park and Ride Facility Improvements

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:301	Planning Area(s): Ridge Communities
Project Name: Placerville Station II-Park and Ride Facility Improvements	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Class 1 and Class 2 pedestrian and bike facilities
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	City of Placerville, U.S. Department of Transportation,
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Project falls within the 2010-2014 DAC Places as identified

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction activity
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Very easy: Funding mechanism already in place; can be funded from existing structures without increases	3	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning and Engineering documents available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	City of Placerville, Caltrans
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project needs multiple permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.3 302 Canal Street LID Projects

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:302			Planning Area(s): Ridge Communities		
Project Name: Canal Street LID Projects			Component: Stormwater Management		
Benefit Category	**Criteria**	**Metric**	**Assessment Value**	**Score**	**Notes**
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	663.4 AF/year
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	663.4 AF/year
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	663.4 AF/year
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	Sewer improvements
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Improves Existing Green Space	1	Project will incorporate LID design

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	Project will incorporate LID design
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Placerville neighborhood
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	City of Placerville
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Project falls within the 2010-2014 DAC Places as identified

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction work
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	Just City of Placerville as agency lead and stakeholder
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming need some permits for LID projects
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.4 303 Urban Roadway Improvement Project - Mosquito Road Stabilization, Grind & Overlay Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:303	Planning Area(s): Ridge Communities
Project Name: Urban Roadway Improvement Project - Mosquito Road Stabilization, Grind & Overlay Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	Project will incorporate LID design
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project will incorporate LID design
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not a project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not a project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not a project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not a project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not a project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not a project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not a project objective
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Not a project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not a project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not a project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not a project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not a project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not a project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Neighborhood in Placerville
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls within the 2010-2014 DAC Places as identified by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not a project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Finances and plans
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming local permits for road improvements

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.5 304 Mosquito Road Sewer Main Replacement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:304				Planning Area(s): Other	
Project Name: Mosquito Road Sewer Main Replacement				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	Project will incorporate LID design
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Assuming new sewer pipe would reduce sewer leaks; Project will replace approximately 1,000 linear feet of existing cast iron sewer pipe from Broadway Court/Randolph Creek to Mosquito Road.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not a project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	Project will replace approximately 1,000 linear feet of existing cast iron sewer pipe from Broadway Court/Randolph Creek to Mosquito Road.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Not project objective
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational	Limited (neighborhood)	1	Neighborhood in Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		and public use areas			
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	City of Placerville
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls within the 2010-2014 DAC Places as identified by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Plan to replace 1,000 feet of cast iron sewer pipe
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance	IS/ND/MND, or some State	2	Permits for sewer

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		needed (permits, CEQA)	and/or local permits		
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.6 305 Urban Roadway Improvement Project - Woodridge Court, Grind & Overlay Project

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:305			Planning Area(s): Ridge Communities		
Project Name: Urban Roadway Improvement Project - Woodridge Court, Grind & Overlay Project			Component: Stormwater Management		
Benefit Category	**Criteria**	**Metric**	**Assessment Value**	**Score**	**Notes**
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	Project will incorporate LID design
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Sewer pipe replacement will reduce sewer leaks
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	Sewer pipe replacement
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Neighborhood in Placerville
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls within the 2010-2014 DAC Places as identified by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction and potential LID maintenance
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Finances and plans
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming local permits for road improvements

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.7 306 Urban Roadway Improvement Project - Martin Lane, Grind & Overlay Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:306	Planning Area(s): Ridge Communities
Project Name: Urban Roadway Improvement Project - Martin Lane, Grind & Overlay Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	Project will incorporate LID design
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project will incorporate LID design
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Neighborhood in Placerville
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls within the 2010-2014 DAC Places as identified by CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction and potential LID maintenance
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Finances and plans
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming local permits for road improvements

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming City would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.8 307 Town of El Dorado Drainage Improvements

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:307				Planning Area(s): Ridge Communities	
Project Name: Town of El Dorado Drainage Improvements				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	No calculations done
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	No calculations done
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not a project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not a project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not a project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Limited or No Reduction (<200 AF/year)	1	No calculations done
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not a project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Town of El Dorado Acreage
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Not a project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	No calculations done
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not a project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Acreage of the Town of El Dorado
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not a project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not a project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Town of El Dorado
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Two stakeholders or more (County ROW, CALTRANS, business owners, community members, historical society, regulatory agencies); town of El Dorado

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not a project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Likely	3	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County ROW, CALTRANS, business owners, community members, historical society, regulatory agencies
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Yes, Fish and Wildlife, RWQCB, Caltrans encroachment permits and possibly others

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.9 308 Town of El Dorado Green Street Project

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:308				Planning Area(s): Ridge Communities	
Project Name: Town of El Dorado Green Street Project				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	153.79 AF/YR
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	153.79 AF/YR
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	74.7 acres
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not a project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not a project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not a project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Limited or No Reduction (<200 AF/year)	1	153.79 AF/YR
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	Project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not a project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Creates Green Space at Multiple Locations	3	Project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Local Benefit (city/town)	2	Improved air quality with planted trees
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not a project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not a project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not a project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional Benefit (county-wide)	3	Town of El Dorado and the County as it will help demonstrate the implementation of Green Streets.
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	Two stakeholders or more (County ROW, CALTRANS, business owners, community

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			members, historical society, regulatory agencies)
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not a project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction and some O&M
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Likely	3	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	El Dorado County, El Dorado County Department of Transportation, California Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Yes, Fish and Wildlife, RWQCB, Caltrans encroachment permits and possibly others

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming would not need to purchase land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.10 309 Headington Yard Wash Rack

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:309	Planning Area(s): Ridge Communities
Project Name: Headington Yard Wash Rack	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	The project consists of constructing an enclosed building that houses a contained wash system that automatically treats and reuses the wash water for vehicle and equipment cleaning and maintenance.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	No calculations done
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	Reuse of the treated cleaning water and utilizing rain tanks for rainwater storage
	Water conservation	Reduction in annual water use	Creates another water supply source	3	Reuse of the treated cleaning water and utilizing rain tanks for rainwater storage
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	The project also proposes to disconnect the facility from the sewer by reusing the discharge water also reducing the wash water and waste water discharges to the sewer.
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	No calculations done

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Not project objective
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Moderate - local benefit as it reduces GHG emissions-don't think so
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Moderate - local benefit only
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Low - not applicable
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational	Limited (neighborhood)	1	Project site specific

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		and public use areas			
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Moderate community involvement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Moderate - during construction only
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Moderate - similar funding mechanisms
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Moderate - opportunities identified
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	High - plans available
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	High - no partnerships needed
	Regulatory & Permitting Compliance	Degree of regulatory compliance	IS/ND/MND, or some State	2	Moderate - CEQA completed, permits done if progresses in 2017.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		needed (permits, CEQA)	and/or local permits		
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	High - publicly accepted
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	High - already owned
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.11 310 Fairgrounds Water Quality Improvements

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:310				Planning Area(s): Ridge Communities	
Project Name: Fairgrounds Water Quality Improvements				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	303.99 AF/yr.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project site specific
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Moderate Volume (200-400 AF/year)	2	303.99 AF/yr.
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	A rooftop rainwater capture system will be incorporated for non-potable water use on site.
	Water conservation	Reduction in annual water use	Creates another water supply source	3	A rooftop rainwater capture system will be incorporated for non-potable water use on site.
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	303.99 AF/yr.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	18 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not in project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	NA
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not in project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	18 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Opportunity for community outreach and educational demonstrations
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Two stakeholders or more (County, City of Placerville, El Dorado County Fair Association, community members, etc.)

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project Found under 2010-2014 DAC Block Groups as identified by the CA Department of Water Resources.
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Unlikely long term full time employment; construction opportunities for short term employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County
Implementation Complexity*	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Unknown, Fish and Wildlife, RWQCB, Caltrans encroachment permits and possibly others

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Need explanation; assuming public acceptance
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Possible since land is County owned, need more research
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.12 311 Maintenance Material Storage Buildings at Missouri Flat Rd and Somerset Sand Mine

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:311	Planning Area(s): Ridge Communities & Farm Trail South
Project Name: Maintenance Material Storage Buildings at Missouri Flat Rd and Somerset Sand Mine	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project limits pollution source; No calculations done
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	No calculations done; Rainwater recapture for non-potable use
	Water conservation	Reduction in annual water use	Creates another water supply source	3	No calculations done; Rainwater recapture for non-potable use
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Project Site Benefit (neighborhood)	1	Reduce dust in local air
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	El Dorado County DOT; low public engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Would not benefit a DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Building and installing rainwater capture system. Unlikely full term employment opportunity
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County DOT
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Building permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Need explanation; assuming public acceptance
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming no land acquisition

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.13 312 Future Bass Lake Maintenance Station

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:312				Planning Area(s): El Dorado Hills South	
Project Name: Future Bass Lake Maintenance Station				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; LID approaches on maintenance facility
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	No calculations done; Consolidate street sweeper debris
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; LID approaches on maintenance facility
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	No calculations done; Rainwater capture
	Water conservation	Reduction in annual water use	Creates another water supply source	3	No calculations done; Rainwater capture
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Local Benefit (city/town)	2	Reduce GHG emissions, Street sweepers and vactor trucks would not have to travel long distance to old site
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project not creating recreational public use area
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	Local community engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit local DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project not creating recreational public use area
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Employment opportunity, construction and O&M of maintenance facility
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	IS/ND/MND, or some State and/or local permits	2	Likely RWQCB and local permits for construction

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public acceptance
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Pretty sure County owns the property, need to research

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.14 313 Forni Road Slope Stabilization

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:313			Planning Area(s): Ridge Communities		
Project Name: Forni Road Slope Stabilization			Component: Stormwater Management		
Benefit Category	**Criteria**	**Metric**	**Assessment Value**	**Score**	**Notes**
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	No calculations done
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not a project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not a project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not a project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not a project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not a project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not a project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not a project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not a project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not a project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not a project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not a project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not a project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not a project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Placerville community
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Local residents; City of Placerville and El Dorado County
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Project found under 2010-2014 DAC Places as identified by

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not a project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual Project Stage
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	City of Placerville, El Dorado County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Need local grading permit
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public acceptance

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Possibly need land acquirement or land easement
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.15 314 Street Sweeping Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:314			Planning Area(s): Other		
Project Name: Street Sweeping Program			Component: Stormwater Management		
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Purchase more street sweeper to sweep the streets and thus reduce the quantity of sediment, trash and debris that may end up in the local water bodies on a daily basis or during a storm event
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Need to calculate the extent of the street sweepers - countywide benefits
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Need to calculate the extent of the street sweepers -county wide benefits
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	County wide benefits
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	low public engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit all communities including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Unlikely full time employment; use current county employees-part time may be an option
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual project
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	Categorical Exemption, or no permits	3	Does not need permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Not implemented in project
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.16 315 Vactor Truck Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:315				Planning Area(s): Other	
Project Name: Vactor Truck Program				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Reduce likely hood of sewer leaks
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	County wide benefits
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Low community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit all communities including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Unlikely FTE, use current county employees-part time maybe an option
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual project
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	Categorical Exemption, or no permits	3	Does not need permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Not implemented in project
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.17 316 Diamond Springs Parkway-Roadway and Drainage Improvement Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:316	Planning Area(s): Ridge Communities
Project Name: Diamond Springs Parkway-Roadway and Drainage Improvement Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; Use LID drainage designs
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	No calculations done; Use LID drainage designs
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; Use LID drainage designs
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	No calculations done; Use LID drainage designs
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Project Site Benefit (neighborhood)	1	Reduce travel time and vehicle emissions
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional Benefit (county-wide)	3	Public use area enhanced.
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	County, Caltrans; moderate involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under the 2010-2014 DAC Tracts as identified by the CA department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Likely	3	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Project phase 1 design complete and construction will begin in 2018. Phase 2 anticipated for 2021.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County, County of El Dorado Department of Transportation, California Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Assuming need multiple permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Willing Property Owner Identified	2	ROW acquisition several parcels of land. Land owners have been contacted and anticipate acquisitions
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.18 317 South East Connector-Expressway LID Projects

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:317	Planning Area(s): El Dorado Hills South
Project Name: South East Connector-Expressway LID Projects	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	1,376 acre-feet per year of water captured and treated
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Drainage design reduce pollutant loads
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	1,376 acre-feet per year of water captured and treated
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	1,376 acre-feet per year of water captured
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Public use area is enhanced
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	County, JPA

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project not in a Disadvantaged Community
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Project phase 1 design complete and construction will begin in 2018. Phase 2 anticipated for 2021.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County, JPA
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Assuming need multiple permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance	3	Assuming

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
			and Wide Support		
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Willing Property Owner Identified	2	Assuming
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.19 318 Headington Yard to Weber Creek Conveyance

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:318				Planning Area(s): Ridge Communities	
Project Name: Headington Yard to Weber Creek Conveyance				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; Use LID drainage designs
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	No calculations done; Use LID drainage designs
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Moderate Volume (200-400 AF/year)	2	No calculations done; Use LID drainage designs
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	No calculations done; Use LID drainage designs
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	No calculations done; Use LID drainage designs
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	No calculations done; Use LID drainage designs
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Moderate Improvement (2000-15,000 feet or 900-4,000 acres)	2	No calculations done; Use LID drainage designs
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not incorporated into project
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	Low community engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Not benefitting DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not creating a recreational or public use area
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Ideally, one
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Previous Industrial General Permit SWPPP and Spill Plans
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	It project disturbs an acre or more coverage may need Construction General Permit
	Public Acceptance	Degree of acceptance by public	Public Acceptance	3	Assuming

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
			and Wide Support		
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Unknown for any offsite improvements. County currently owns the property.

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.20 319 Countywide Park BMP Retrofit Improvements

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:319				Planning Area(s): Other	
Project Name: Countywide Park BMP Retrofit Improvements				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	683.77 AF/yr.
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	683.77 AF/yr.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	683.77 AF/yr.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Reduces Overflow at Multiple Locations	3	Project Objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	74.7 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	No calculations done; Use LID drainage designs
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	74.7 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Henningson Lotus Park (950 Lotus Rd), Bradford Park (4300 Mother Lode Dr), Pioneer Park (6740 Fairplay Rd)
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	Mostly County, but could include adjacent properties, moderate community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	May benefit DACs since county wide effort
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Henningson Lotus Park (950 Lotus Rd), Bradford Park (4300 Mother Lode Dr), Pioneer Park (6740 Fairplay Rd)
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction and Design; Maybe a temporary position for design and maintenance
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Unknown, EDC Facilities may have old design plans for the parks.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Partnership is a collaboration between Stormwater Program and EDC Facilities, El Dorado County Department of Transportation
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Categorical Exemption, or no permits	3	Permits: Not likely

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public acceptance
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	No, currently County property
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.21 320 BMP Countywide Demonstration Projects

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:320				Planning Area(s): Other	
Project Name: BMP Countywide Demonstration Projects				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	We could approximate an acre for each facility and estimate three facilities will be built
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	We could approximate an acre for each facility and estimate three facilities will be built
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	We could approximate an acre for each facility and estimate three facilities will be built
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	Rainwater harvesting
	Water conservation	Reduction in annual water use	Reduces current water use	2	Rainwater harvesting
	Conjunctive use	Volume Recharged	Not Applicable	0	Not applicable to Project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is not removing impervious area
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not applicable to Project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	We could approximate an acre for each facility and estimate three facilities will be built
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Creates Green Space at Multiple Locations	3	We could approximate an acre for each facility and estimate three facilities will be built

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not applicable to Project
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not applicable to Project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	We could approximate an acre for each facility and estimate three facilities will be built
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not applicable to Project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not applicable to Project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	County, general public, professional contractors and engineering, students
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	County, Master Gardner's, City of Placerville, Resource Conservation District, high community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	DACs would benefit
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	We could approximate an acre for each facility and estimate three facilities will be built
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Possible, temporary
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Draft plans for the El Dorado Hills Library
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Stormwater Program and EDC Facilities. Facilities responsible for long term maintenance
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Categorical Exemption, or no permits	3	If any one of the projects disturb an acre or more Construction General Permit coverage will be required. Other permits are unknown.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	County owned property
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.22 323 Urban Roadway Improvement Project-Ray Lawyer Drive, Grind & Overlay Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:323	Planning Area(s): Ridge Communities
Project Name: Urban Roadway Improvement Project-Ray Lawyer Drive, Grind & Overlay Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not in project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not in project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not in project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not in project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not in project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not in project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not in project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not in project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Project is not improving a recreational/public use area
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under the 2010-2014 DAC Places as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is not creating a recreational/public use area
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction activity
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Size and Cost estimated
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Road permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance	3	Assuming public acceptance

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
			and Wide Support		
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming city does not need to acquire any land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.23 324 Airport Road/Broadway Culvert Storm Drain Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:324	Planning Area(s): Ridge Communities
Project Name: Airport Road/Broadway Culvert Storm Drain Improvement	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not in project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	36" culvert replacement; No calculations done
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	36" culvert replacement; No calculations done
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not in project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not in project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not in project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Limited or No Reduction (<200 AF/year)	1	36" culvert replacement; No calculations done
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not in project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not in project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not in project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Airport Road at Broadway in City of Placerville
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not in project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not in project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not in project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not in project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not in project objective
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	City of Placerville Only

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under the 2010-2014 DAC Places as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not in project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning stage
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	City of Placerville Only
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Culvert replacements
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public acceptance

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming do not need to acquire more land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.24 326 Sewer Relocation-Clay to Locust

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:326				Planning Area(s): Ridge Communities	
Project Name: Sewer Relocation-Clay to Locust				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	No calculations done for LID green parking
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	No calculations done for LID green parking
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	No calculations done for LID green parking
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	No calculations done for LID green parking
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	No calculations done for LID green parking
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Limited (neighborhood)	1	Small area of Placerville
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	City of Placerville, Caltrans, utilities; moderate community engagement
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	Project found under the 2010-2014 DAC Places as identified

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction and improvements
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Design is underway
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	City of Placerville, Caltrans, utilities
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Utility, roadway permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.25 327 El Dorado Hills Library Water Conservation Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:327	Planning Area(s): El Dorado Hills South
Project Name: El Dorado Hills Library Water Conservation Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Low Volume (<200 AF/year)	1	El Dorado Hills Public Library has a vacant, county owned, lot immediate to the main library building. 105 af/yr.
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	El Dorado Hills Public Library has a vacant, county owned, lot immediate to the main library building. 105 af/yr.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Low Volume (<200 AF/year)	1	El Dorado Hills Public Library has a vacant, county owned, lot immediate to the main library building. 105 af/yr.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not Applicable to Project
	Water conservation	Reduction in annual water use	Reduces current water use	2	Creating drought tolerant green space; theoretically would reduce the County's annual water use of maintenance
	Conjunctive use	Volume Recharged	Not Applicable	0	Not Applicable to Project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not Applicable to Project
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not Applicable to Project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Demonstration lot. 32.5 acres
	Increased urban green space	Creation and/or reduction of	Creates Green Space at One Location	2	Demonstration lot

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not Applicable to Project
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not Applicable to Project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Demonstration lot. 32.5 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not Applicable to Project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not Applicable to Project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Demonstration intended for county wide effect

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	El Dorado County & Georgetown Divide Resource Conservation District; El Dorado County Department of Community Development; high community engagement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	County wide benefit, including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Need acres; Demonstration lot
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Upkeep and demonstration
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Design specs
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	El Dorado County & Georgetown Divide Resource Conservation Districts; and El Dorado County- Community Development Services

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming do not need permits for a demonstration on County owned lot
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Proposed site is on county owned lot, assuming do not need to acquire additional lands

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.26 328 Our Water Our World - Outreach Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:328				Planning Area(s): Other	
Project Name: Our Water Our World - Outreach Program				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is an education program
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is an education program; In the long run, this project will help reduce non-point source pollution due to increased awareness in the community and will help improve local environmental conditions.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is an education program
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is an education program
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is an education program
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is an education program
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is an education program
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is an education program
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is an education program
	Increased urban green space	Creation and/or reduction of green space	Not Applicable or Reduces	0	Project is an education program

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Green Space		
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is an education program
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is an education program
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is an education program
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is an education program
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is an education program
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is an education program; not creating or enhancing a specific area

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Two stakeholders or more - County, residents, contractors, and merchants willing to promote displays; high involvement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Not specific to one spot, may benefit DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Education program; Not creating recreational space
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Volunteer program; no employment opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Some local donors
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Established program
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	El Dorado County Department of Community Development; local businesses

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Do not need permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not require land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.27 329 Trash Amendments TMDL Implementation

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:329	Planning Area(s): Other
Project Name: Trash Amendments TMDL Implementation	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project implementation will result in possible nonpoint source pollution load reduction
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Depend on acres. Trash reduction should improve aesthetics of area
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Two stakeholders or more - County, City of Placerville, Caltrans, private property; high public engagement
	Environmental Justice*	Perceived benefits/impa	Benefits distributed	3	High-County Wide Effort

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)	throughout community(ies)		
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Depend on acres. Trash reduction should improve aesthetics of area
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Yes, project create a FTE
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Conceptual; Provided cost information for Phase II MS4
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Two stakeholders or more - County, City of Placerville, Caltrans, private property, El Dorado County- Community Development Services
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Phase II MS4 permit requirements, State's Construction General Permit, and State's Industrial General Permit
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming
	Right of Way	Need for, or difficulty of, acquiring	Existing ROW/Not Applicable	3	Assuming

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		necessary parcels/easements			
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.28 330 Countywide Water Quality Awareness Campaign

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:330	Planning Area(s): Other
Project Name: Countywide Water Quality Awareness Campaign	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is an awareness campaign
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is an awareness campaign with indirect impacts
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is an awareness campaign
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is an awareness campaign
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is an awareness campaign
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is an awareness campaign
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is an awareness campaign
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is an awareness campaign
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is an awareness campaign
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project is an awareness campaign

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is an awareness campaign
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is an awareness campaign
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is an awareness campaign
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is an awareness campaign
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is an awareness campaign
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is an awareness campaign
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	Two stakeholders or more - County, City, Caltrans, Waste Management, and others; high engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Countywide assume they will impact a DAC/EDA
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Awareness campaign
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	High - regional campaign. Ideally create FTE
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumption
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County, City, Caltrans, Waste Management, and other

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Regional Campaign
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would be accepted by public
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Likely do not need land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.29 331 Countywide Stormwater Asset Management Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:331				Planning Area(s): Other	
Project Name: Countywide Stormwater Asset Management Program				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is data management
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is data management
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is data management
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is data management
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is data management
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is data management
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is data management
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is data management
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is data management
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Project is data management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is data management
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is data management
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is data management
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is data management
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is data management
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	County wide benefit
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	County, City, Caltrans, operators of County leased

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			properties; moderate engagement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit all communities and DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is data management
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Ideally
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual; no documents developed
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	County, City, Caltrans, operators of County leased properties
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	Categorical Exemption, or no permits	3	Data Management does not need permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project is data management

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.30 333 Splash in the Class - Outreach Program

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:333				Planning Area(s): Other	
Project Name: Splash in the Class - Outreach Program				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is an education program
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is an education program
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is an education program
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is an education program
	Water conservation	Reduction in annual water use	Indirectly conserves water	1	Project is an education program; cannot directly measure water conservation reduction values
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is an education program
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is an education program
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is an education program
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is an education program
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Project is an education program

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is an education program
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is an education program
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is an education program
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is an education program
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is an education program
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is an education program; not creating or enhancing a specific area
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	Two stakeholders or more - County, City of Placerville, El Dorado County Water Agency; high engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	benefit many communities including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Education program; Not creating recreational space
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Volunteer/Teacher based program; no employment opportunities
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Some local donors
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Established program
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Community Development; school system
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	Categorical Exemption, or no permits	3	Do not need permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not require land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.31 334 County Water Quality Standards Improvement Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:334	Planning Area(s): Other
Project Name: County Water Quality Standards Improvement Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is developing a manual for internal protocols and standards
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is developing a manual for internal protocols and standards
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is developing a manual for internal protocols and standards
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is developing a manual for internal protocols and standards
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces	0	Project is developing a manual for internal protocols and standards

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)	Green Space		
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is developing a manual for internal protocols and standards
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is developing a manual for internal protocols and standards
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is developing a manual for internal protocols and standards; many will benefit county wide from its use and application
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	This will be an internal document so just County.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No direct impact to communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is developing a manual for internal protocols and standards
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Project is developing a manual for internal protocols and standards
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	No Partnerships Needed	3	El Dorado County- Community Development Services
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	Categorical Exemption, or no permits	3	Assuming Manual does not need a permit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project has public approval
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not need land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.32 335 West Slope Watershed and Pollutant Generation Study

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:335	Planning Area(s): Other
Project Name: West Slope Watershed and Pollutant Generation Study	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is proposing a study
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Project is proposing a study
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is proposing a study
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is proposing a study
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is proposing a study
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is proposing a study
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is proposing a study
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is proposing a study
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is proposing a study
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Project is proposing a study

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is proposing a study
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is proposing a study
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is proposing a study
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is proposing a study
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is proposing a study
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is proposing a study that would generate countywide benefits
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Two stakeholders or more - County, City of Placerville, CALTRANS, private property owners; moderate community engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	would benefit several communities in the long term including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is proposing a study
	Employment opportunities provided	Increased Opportunities for Employment	No construction activities. Part-time employment or volunteer opportunities only.	1	Project is proposing a study
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Possible partnerships with the County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	Categorical Exemption, or no permits	3	Assuming study does not need permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have acceptance
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not need land acquisition
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.33 336 West Slope BMP Manual

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:336				Planning Area(s): Other	
Project Name: West Slope BMP Manual				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is creating a BMP manual
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is creating a BMP manual
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is creating a BMP manual
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is creating a BMP manual
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is creating a BMP manual
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is creating a BMP manual
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is creating a BMP manual
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is creating a BMP manual
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is creating a BMP manual
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project is creating a BMP manual

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is creating a BMP manual
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is creating a BMP manual
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is creating a BMP manual
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is creating a BMP manual
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is creating a BMP manual
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is creating a BMP manual; county benefit
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	County, CALTRANS, City of Placerville; low community involvement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit all communities including DACS
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is creating a BMP manual
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Project is creating a BMP manual
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project in conceptual stages
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Possible partnerships with the County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming do not need a permit to make BMP manual

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not need land
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.34 337 Outingdale Stormwater Management Study/Pre-Design

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:337	Planning Area(s): Farm Trail South
Project Name: Outingdale Stormwater Management Study/Pre-Design	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not included in project; Project's objective is a study
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not included in project; Project's objective is a study
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not included in project; Project's objective is a study
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not included in project; Project's objective is a study
	Water conservation	Reduction in annual water use	Not Applicable	0	Not included in project; Project's objective is a study
	Conjunctive use	Volume Recharged	Not Applicable	0	Not included in project; Project's objective is a study
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not included in project; Project's objective is a study
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not included in project; Project's objective is a study
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not included in project; Project's objective is a study
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Not included in project; Project's objective is a study

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not included in project; Project's objective is a study
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not included in project; Project's objective is a study
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not included in project; Project's objective is a study
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not included in project; Project's objective is a study
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not included in project; Project's objective is a study
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Project is located in a specific community, Outingdale; but is a study project that would enhance space area
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	El Dorado County Water Agency and El Dorado County Department of Community Development, El Dorado County Department of Environmental Management,

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
					American River Conservancy, and Outingdale residents
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project site is in a community identified by DWR as DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not included in project; Project's objective is a study
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Not included in project; Project's objective is a study
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project proposes to implement a planning document, no current documents exist for this area
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	El Dorado County Water Agency and El Dorado County Department of Community Development, El Dorado Irrigation District, El Dorado County Department of Environmental Management, American River Conservancy, and Outingdale residents

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Probably need some state permits for the study
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming project would have public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not incorporate land use

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.35 338 Stormwater Detention Basin- Hangtown Creek Flood Damage Reduction Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:338	Planning Area(s): Ridge Communities
Project Name: Stormwater Detention Basin- Hangtown Creek Flood Damage Reduction Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	Estimated at 680 AF/year based on 57 acres of project area
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Detention pond will help prevent future creek channel overtopping and bank erosion.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	Estimated at 680 AF/year based on 57 acres of project area
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Estimated at 680 AF/year based on 57 acres of project area
	Increased urban green space	Creation and/or reduction of green space (land that is	Not applicable or reduces green space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Stormwater detention base-By undergoing this project, it will restore and enhance urban creek channels through effective and efficient flood damage reduction approaches that will preserve, restore, and enhance natural environmental values to local communities.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Estimated at 680 AF/year based on 57 acres of project area
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational	Local benefit (city/town)	2	Downtown Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		and public use areas			
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	City of Placerville, El Dorado County Water Agency
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Project does not impact/benefit a DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	High Improvement	3	Improve quality of Hangtown Creek; No calculations done
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Planning Documents available
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	City of Placerville, El Dorado County Water Agency
Implementation Complexity*	Regulatory & Permitting Compliance	Degree of regulatory compliance	EIR/EIS, or multiple	1	Project includes wetland channel improvements

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		needed (permits, CEQA)	Federal/State/local permits		
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Willing Property Owner Identified	2	River City Bank negotiation to sell parcel
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.36 339 Facility Upgrades for the El Dorado Disposal MRF

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:339	Planning Area(s): Ridge Communities
Project Name: Facility Upgrades for the El Dorado Disposal MRF	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project site specific
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Supply used only on project site	2	No calculations done; Rainwater capture
	Water conservation	Reduction in annual water use	Reduces current water use	2	No calculations done; Rainwater capture
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Not project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Project Site Benefit (neighborhood)	1	Reduce dust in local air
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders in project development	Low Community Involvement	1	El Dorado County; low public engagement

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit DAC communities
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Stormwater Management
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumed
Project Cost*	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumed
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
Implementation Complexity*	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	El Dorado County Department of Environmental Management
Implementation Complexity*	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Building permits, LID,

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assumed
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assumed
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.37 340 Union Mine Landfill Retention Ponds

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:340				Planning Area(s): Farm Trail South	
Project Name: Union Mine Landfill Retention Ponds				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	837.06 AF/YR
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	837.06 AF/YR
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Project scale
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Moderate community involvement
	Environmental Justice*	Perceived benefits/impa	Not Applicable	0	Would not benefit DAC

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)			
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/ Studies Available	3	Planning Documents available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Possible partnerships with County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Project includes wetland channel improvements
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming project completely on County land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.38 341 BMP for Agricultural Erosion and Sediment Control Manual

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:341	Planning Area(s): Other
Project Name: BMP for Agricultural Erosion and Sediment Control Manual	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Project is creating a BMP manual
	Nonpoint source pollution control	Pollutant Load Reduction	Preventative (indirect) nonpoint source pollution control	1	Project is creating a BMP manual, may include practices that help reduce the runoff of pesticides, nutrients, and sediment into regional water supplies
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Project is creating a BMP manual
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is creating a BMP manual
	Water conservation	Reduction in annual water use	Not Applicable	0	Project is creating a BMP manual
	Conjunctive use	Volume Recharged	Not Applicable	0	Project is creating a BMP manual
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project is creating a BMP manual
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project is creating a BMP manual
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Project is creating a BMP manual
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Project is creating a BMP manual

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project is creating a BMP manual
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project is creating a BMP manual
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Project is creating a BMP manual
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project is creating a BMP manual
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is creating a BMP manual
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project is creating a BMP manual; county wide benefit
	Community Involvement	Involvement of stakeholders	Low Community Involvement	1	We should check if they are assuming any collaboration with other partners

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Would benefit all communities and DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project is creating a BMP manual
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Project is creating a BMP manual
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Project in conceptual stages
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Possible partnerships with the County
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	IS/ND/MND, or some State and/or local permits	2	Assuming do not need a permit to make BMP manual

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming public support
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Project does not need land

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.39 342 Culvert Rehabilitation along Highway 50 near Cameron Park and Shingle Springs

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:342	Planning Area(s): El Dorado Hills South & Farm Trial North
Project Name: Culvert Rehabilitation along Highway 50 near Cameron Park and Shingle Springs	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated into project
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	28 culverts along highway 50
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Assuming High. Need calculations for culvert repairs/replacement
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	28 culverts along highway 50
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space	Not Applicable or Reduces Green Space	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(land that is partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Need calculations for culvert repairs/replacement
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, Cameron Park, Shingle Springs; moderate involvement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming several culvert replacements would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual: No current engineering or cost information available-at the moment so will have to update
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, Cameron Park, Shingle Springs
	Regulatory & Permitting Compliance	Degree of regulatory compliance	IS/ND/MND, or some State	2	Assuming culvert replacement would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		needed (permits, CEQA)	and/or local permits		
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Not Applicable	3	Not incorporated into project
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.40 343 Culvert Rehabilitation along Highway 50 near the City of Placerville

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:343	Planning Area(s): El Dorado Hills South & Farm Trial North
Project Name: Culvert Rehabilitation along Highway 50 near the City of Placerville	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated into project
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	36 culvert repairs/replacement
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Need calculations for culvert repairs/replacement
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	Need calculations for culvert repairs/replacement
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)	Green Space		
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Need calculations for culvert repairs/replacement
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, Placerville; moderate involvement
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project found under the 2010-2014 DAC Places as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming several culvert replacements would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual: No current engineering or cost information available-at the moment so will have to update
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming culvert replacement would need to be compliant with state and local permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.41 345 Cameron Park Drainage Improvements

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:345				Planning Area(s): Cameron Park	
Project Name: Cameron Park Drainage Improvements				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	No calculations done for LID projects
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done for LID projects
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	No calculations done for LID projects
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project is not creating water supply
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not incorporate conservation
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not incorporate conjunctive use
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	No calculations done for LID projects; Assuming that the drainage improvements will help reduce the flood risk in local streams and creek for damage. Do not have a method to calculate this currently.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Preventative Action to Reduce Overflows	1	No calculations done for LID projects: Project adding storm sewers and drains to areas that experience critical flooding
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Need clean up area; Creek clean up, need to check the project area.
	Increased urban green space	Creation and/or reduction of	Not Applicable or Reduces Green Space	0	Project does not impede or create urban green space.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Need area of impact LID projects; Drainage improvements assumed to improve the flows in local streams and creeks that would help to reestablish the natural flow.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not incorporate air quality
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Creek clean up, need to check the project area.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not incorporate power consumption/production
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project is not expected to create water temperature improvements
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational	Local benefit (city/town)	2	Project enhances Cameron Park

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		and public use areas			
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	County, CSD, residents, public/private properties, regulatory agencies; moderate engagement at Cameron park
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	Not in DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not have a direct recreational benefit
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Project scope of creek cleanup, drainage improvements and creating a drainage study require additional employment.
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual: No current engineering or cost information available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	El Dorado County and Cameron Park

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	401 and 404 permits needed for drainage maintenance. Fish and Wildlife, RWCQB, perhaps Army Corp and others.
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Some drainages traverse through private property easements, not sure if land acquirement or easements will be required

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.42 346 Priority County Culvert Replacements

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:346				Planning Area(s): Other	
Project Name: Priority County Culvert Replacements				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated into project
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Multiple culverts countywide
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Multiple culverts countywide
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	No calculations done for culvert: Culvert replacement and upsizing will reduce flooding risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space (land that is partly or	Not Applicable or Reduces Green Space	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Need culvert calculations: Drainage improvements assumed to improve flow in local streams and creeks.
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	Project enhances public use element; county wide benefit
	Community Involvement	Involvement of stakeholders	High Community Involvement	3	Mostly County but may involve City of Placerville, Caltrans, private property or others

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Benefit many communities, even DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	No partnerships needed	3	County DOT, City of Placerville, Caltrans, private property or others
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	IS/ND/MND, or some State and/or local permits	2	Fish and Wildlife, RWQCB, Caltrans encroachment and other permits may be required.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.43 347 Sly Park Portal Subdivision Flood Management Project

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:347	Planning Area(s): Farm Trail East
Project Name: Sly Park Portal Subdivision Flood Management Project	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	7,797 acre-feet of water treated and/or infiltrated for treatment
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	7,797 acre-feet of water treated and/or infiltrated for treatment
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not creating water supply
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	7,797 acre-feet of water treated and/or infiltrated for treatment
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Reduces Overflow at Multiple Locations	3	Project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	288 acres
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Not incorporated in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	Project will incorporate removal of impervious area
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	288 acres
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated in project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Not incorporated in project; benefits local community
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	El Dorado County, Caltrans, Pollock Pines; local community engagement'

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project falls under the 2010-2014 DAC Places identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated in project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Caltrans and El Dorado County- Community Development Services
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	RWQCB, possibly Fish and Wildlife, and possibly Caltrans encroachment permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.44 348 Fish and Wildlife Routine Maintenance Agreement

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:348	Planning Area(s): Other
Project Name: Fish and Wildlife Routine Maintenance Agreement	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated in project
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Reduction on organic matter
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not creating water supply
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated in project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated in project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	Project objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated in project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Need project area
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Not incorporated in project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Large brushing, ditching and infrastructure maintenance project set to occur
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated in project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Need project area
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated in project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated in project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Regional benefit (county-wide)	3	County wide benefit

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	Mostly County but may involve City of Placerville, Caltrans, private property or others
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project covers many possible site locations including DACs
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated in project
	Employment opportunities provided	Increased Opportunities for Employment	Long-Term Employment	3	Ideally full time employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assumed
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assumed
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	USFWS, County

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	EIR/EIS, or multiple Federal/State/local permits	1	Yes, Fish and Wildlife, RWQCB, Caltrans encroachment permits and possibly others
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assumed
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assumed

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.45 349 Cedar Ravine Road Drainage Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:349				Planning Area(s): Ridge Communities	
Project Name: Cedar Ravine Road Drainage Improvement				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated into project
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not incorporated into project
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Assuming High. Need calculations for culvert repairs/replacement
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	67 box culverts
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	Need calculations for culvert repairs/replacement
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not incorporated into project
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville
	Environmental Justice*	Perceived benefits/impa	Not Applicable	0	No benefit or impact to DAC

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		cts distributed throughout the community (versus to specific communities)			
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming several culvert replacements would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost details available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming culvert replacement would need to be compliant with state and local permits
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.46 350 Debby Lane/Green Valley Road Culvert Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:350	Planning Area(s): Ridge Communities
Project Name: Debby Lane/Green Valley Road Culvert Improvement	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not incorporated into project
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not incorporated into project
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Moderate Volume (200-400 AF/year)	2	Assuming Moderate. Need calculations for culvert repairs/replacement
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not incorporated into project
	Water conservation	Reduction in annual water use	Not Applicable	0	Not incorporated into project
	Conjunctive use	Volume Recharged	Not Applicable	0	Not incorporated into project
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	1 box culvert
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not incorporated into project
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not incorporated into project
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Not incorporated into project

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Local Benefit (city/town)	2	Need calculations for culvert repairs/replacement
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not incorporated into project
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not incorporated into project
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not incorporated into project
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not incorporated into project
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not incorporated into project
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming several culvert replacements would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost details available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming culvert replacement would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.47 351 Full Capture Storm Drain Inlet Replacements in Placerville

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:351	Planning Area(s): Ridge Communities
Project Name: Full Capture Storm Drain Inlet Replacements in Placerville	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	Removal of 1,500 drain inlet structure through the City of Placerville and replace with full capture inlet structures to prevent trash from entering local creek.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	Need calculations, improved drain inlet structures will reduce flood risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		partly or completely covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Not project objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders	Moderate Community Involvement	2	CalTrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		in project development			
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming several drain inlet replacements would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed	IS/ND/MND, or some State and/or local permits	2	Assuming drain inlet replacement would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		(permits, CEQA)			
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Not project objective

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.48 352 Lions Park Drainage Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:352				Planning Area(s): Ridge Communities	
Project Name: Lions Park Drainage Improvement				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	Need calculations, assuming culvert, drain inlets and flood control structures will reduce flood risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Lion's Park project site
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming flood control structures implementation would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost Information available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming flood control structure implementation would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming flood protection improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.49 353 Pleasant Street Storm Drain Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:353				Planning Area(s): Ridge Communities	
Project Name: Pleasant Street Storm Drain Improvement				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	Need calculations, assuming drainage improvements will reduce flood risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Cottonwood Subdivision project site
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming drainage infrastructure would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost Information available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming drainage structure would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.50 354 Wiltse Road Storm Drain Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:354				Planning Area(s): Ridge Communities	
Project Name: Wiltse Road Storm Drain Improvement				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	Need calculations, storm drain improvement will reduce flood risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees,	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Wiltse Road
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming storm drain improvement would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost Information available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming storm drain structure would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming storm drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.51 355 Pierroz Road at Hangtown Creek, Drainage Improvement

West Slope Stormwater Resource Plan Project Evaluation Summary	
ID:355	Planning Area(s): Ridge Communities
Project Name: Pierroz Road at Hangtown Creek, Drainage Improvement	Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Not Applicable	0	Not project objective
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	Not Applicable	0	Not project objective
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Not project objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Not project objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Not project objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Moderate Reduction (200-400 AF/year)	2	Need calculations, storm drain improvement will reduce flood risk
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Not Applicable	0	Not project objective
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with	Not Applicable or Reduces Green Space	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Project Site Benefit (neighborhood)	1	Pierroz Road
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Not Applicable	0	Not project objective
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Not project objective
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	Caltrans, City of Placerville

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	No benefit or impact to DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not incorporated into project
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Assuming storm drain improvement would require additional employment
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Assuming
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Assuming
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Cost Information, No Engineering Details	2	Cost Information available
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	Caltrans, City of Placerville
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Assuming storm drain structure would need to be compliant with state and local permits

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming storm drainage improvements would be a positive to the community
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Assuming that the project does not need to acquire land or water rights

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)

D.5.52 356 Sand Ridge Road Paving

West Slope Stormwater Resource Plan Project Evaluation Summary					
ID:356 Project Name: Sand Ridge Road Paving				Component: Stormwater Management	
Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	High Volume (>400 AF/year)	3	No calculations done: Road WQ improvements
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at multiple locations	3	No calculations done: Road WQ improvements
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	No calculations done: Road WQ improvements
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not include this as an objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	Not Applicable	0	Project does not include this as an objective
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Project does not include this as an objective
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Sand Ridge Rd apx 61,606 ft.- Google Earth Approximation; Road WQ improvements
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely	Not Applicable or Reduces Green Space	0	Project does not include this as an objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
		covered with grass, trees, shrubs, or other vegetation)			
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Not Applicable	0	Project does not include this as an objective
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Project does not include this as an objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	High Improvement (>15,000 feet or > 4,000 acres)	3	Sand Ridge Rd apx 61,606 ft.- Google Earth Approximation; Road WQ improvements
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Project does not include this as an objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Project does not include this as an objective
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Not Applicable	0	Project does not include this as an objective
	Community Involvement	Involvement of stakeholders in project development	Moderate Community Involvement	2	County, private residents, Consumes River associations.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Not Applicable	0	benefit local communities but not benefit DAC
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Project does not include this as an objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption
Implementation Complexity*	Constructability	Degree of engineering complexity of project	No Planning Documents, Best Engineering Judgment Applied	1	Conceptual
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely New Agreement	1	Project Assumption
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	RWQCB and Fish and Wildlife permits may be required.

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Project Assumption
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Existing ROW/Not Applicable	3	Unknown, but not likely
*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4 Units: AF/year (acre-feet per year)					

D.5.53 357 Upper Main Ditch Stormwater Improvements

West Slope Stormwater Resource Plan
Project Evaluation Summary

ID:357

Project Name: Upper Main Ditch Stormwater Improvements Component: Stormwater Management

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Water Quality	Increased filtration and/or treatment of runoff	Volume of Treated Water (AF/year)	Not Applicable	0	Not project objective
	Nonpoint source pollution control	Pollutant Load Reduction	Reduces occurrence of pollutant loads at one location	2	Project would direct Stormwater back to historic drainage patterns but would require downstream improvements including upsizing four culverts that cross Blair Road and some channel armoring to limit erosion.
	Reestablished natural water drainage and treatment	Volume of runoff reduced and/or treated (AF/year)	High Volume (>400 AF/year)	3	Project would direct Stormwater back to historic drainage patterns but would require downstream improvements including upsizing four culverts that cross Blair Road and some channel armoring to limit erosion.
Water Supply	Water supply reliability	Amount of local supply generated	Not Applicable	0	Project does not include this as an objective
	Water conservation	Reduction in annual water use	Not Applicable	0	Project does not include this as an objective
	Conjunctive use	Volume Recharged	Not Applicable	0	Project does not include this as an objective
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Volume of runoff reduced (AF/year)	High Reduction (>400 AF/year)	3	Assume high flood risk reduction; the upper main ditch intercepts approximately 378 acres of the Long Canyon and Iowa Canyon watersheds.
	Reduced sanitary sewer overflows	Sanitary Sewer Overflows Reduction	Not Applicable	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Environmental	Environmental and habitat protection and improvement	Acres of habitat/ecosystem improved (varies)	Low Improvement (<2000 feet or <900 acres)	1	Assumed, reestablishing historic drainage patterns will improve local environmental conditions.
	Increased urban green space	Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation)	Not Applicable or Reduces Green Space	0	Not project objective
	Reestablishment of the natural hydrograph	Amount of instream flow rate improved	Regional Benefit (county-wide)	3	Local scale improvements
	Improved Air quality*	Degree of potential benefit or damage to air quality	Not Applicable	0	Not project objective
	Ecological Improvement*	Degree of potential benefit or damage to ecosystems/flora/fauna (varies)	Low Improvement (<2000 feet or <900 acres)	1	Assumed, reestablishing historic drainage patterns will improve local environmental conditions.
	Energy footprint	Reduced energy use reducing greenhouse gas emissions, reduced urban heat island effects, and/or providing a carbon sink.	Not Applicable or Increases Energy Footprint	0	Not project objective
	Water temperature improvements	Reduction in water temperature	Not applicable	0	Not project objective

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Community	Public Education	Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas	Local benefit (city/town)	2	Local benefit
	Community Involvement	Involvement of stakeholders in project development	High Community Involvement	3	EID and EDCWA
	Environmental Justice*	Perceived benefits/impacts distributed throughout the community (versus to specific communities)	Benefits distributed throughout community(ies)	3	Project benefits a DAC area, area is the DAC Tracts 2010-2014 as identified by the CA Department of Water Resources
	Recreational Benefit	Enhancement and/or creation of recreational and public use areas	Not Applicable	0	Not project objective
	Employment opportunities provided	Increased Opportunities for Employment	Short-Term Employment	2	Construction
Project Cost*	Project Funding Mechanism	Degree of project funding mechanism availability and complexity	Typical: Funding mechanism can be created using normal business processes	2	Project Assumption
	Eligibility for External Funding	Likelihood that outside funding will be available for this project	Possible	2	Project Assumption

Benefit Category	Criteria	Metric	Assessment Value	Score	Notes
Implementation Complexity*	Constructability	Degree of engineering complexity of project	Planning Documents/Studies Available	3	Project in the planning and pre-design phase.
	Institutional Complexity	Degree of new partnerships and agreements needed	Partnerships Needed, Likely Similar to Existing Agreement	2	EID and EDCWA
	Regulatory & Permitting Compliance	Degree of regulatory compliance needed (permits, CEQA)	IS/ND/MND, or some State and/or local permits	2	Storm drain structure would need to be compliant with state and local permits; DOT encroachment permit, possibly SWRCB, CDFW, ACOE.
	Public Acceptance	Degree of acceptance by public	Public Acceptance and Wide Support	3	Assuming storm drainage improvements would be a positive to the community.
	Right of Way	Need for, or difficulty of, acquiring necessary parcels/easements	Willing property owner identified	2	Project does not need to acquire land or water rights, but it is possible, majority of the culverts that need to be upsized are in PUE.

*Benefit categories and criteria added beyond the suggested State Water Board's Stormwater Resources Plan Guidelines Table 4
Units: AF/year (acre-feet per year)