

ATTACHMENT D – TABLES/RESULTS

ATTACHMENT D.1 – DRAINAGE AREA RANKING

Attachment D.1. Drainage Area Ranking

Rank	Drainage Area ID	Supervisor District	Watershed	Community Name	Area (acres)	Impervious Area (acres)	Runoff Coefficient	% Impervious	Water Quality Benefit Scores										Community Benefit Score						Drainage Area Prioritization Score	
									TSS	TP	TN	TCu	TPb	Tzn	FC	Trash	WQ Benefit Points	Underserved Communities	Environmental Justice Communities	Low-income Communities	Caltrans	CIP	Park Access	Tree Canopy Cover		Community Benefit Points
1	01_6794	5th Supervisorial Dist	Santa Margarita River	Fallbrook	1.4	1.1	0.7	73.1	1.8	6.7	6.7	15.6	6.7	13.9	24.2	40.0	116	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	136
2	05_5921	2nd Supervisorial Dist	San Diego River	Lakeside	3.7	3.2	0.8	87.3	4.2	2.8	5.2	9.2	7.7	16.0	40.1	18.5	104	3.4	5.1	13.6	0.0	0.0	3.4	3.4	29	133
3	04_22960	2nd Supervisorial Dist	San Diego River	Ramona	1.9	1.2	0.7	61.7	3.5	2.1	4.3	7.5	6.4	13.4	34.9	39.9	112	0.0	0.0	13.6	0.0	0.0	0.0	3.4	17	129
4	06_8607	2nd Supervisorial Dist	San Diego Bay	Spring Valley	5.0	4.0	0.8	81.0	4.1	2.6	5.0	17.6	7.5	15.6	26.7	19.5	99	0.0	0.0	13.6	0.0	0.0	3.4	3.4	26	124
5	06_8603	2nd Supervisorial Dist	San Diego Bay	Spring Valley	7.5	5.9	0.8	78.9	3.8	2.4	4.7	13.8	6.0	12.5	21.7	33.1	98	0.0	0.0	13.6	0.0	0.0	0.0	3.4	22	120
6	05_5883	2nd Supervisorial Dist	San Diego River	Lakeside	4.3	3.6	0.8	83.0	3.9	3.2	4.6	8.7	7.5	13.4	24.3	21.8	87	3.4	5.1	13.6	0.0	3.4	3.4	3.4	32	120
7	05_14046	2nd Supervisorial Dist	San Diego River	Lakeside	4.0	3.5	0.8	88.4	4.1	3.4	4.7	9.0	8.4	13.8	23.5	19.8	87	3.4	5.1	13.6	0.0	3.4	3.4	3.4	32	119
8	06_8144	2nd Supervisorial Dist	San Diego Bay	Valle De Oro	3.0	2.5	0.8	85.4	4.2	2.6	5.2	18.2	7.8	16.2	28.3	15.6	98	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	119
9	01_12750	5th Supervisorial Dist	Santa Margarita River	Fallbrook	0.3	0.2	0.7	76.4	1.9	6.9	6.9	16.2	6.9	14.4	25.1	20.0	98	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	117
10	06_8475	2nd Supervisorial Dist	San Diego Bay	Spring Valley	6.1	4.2	0.7	68.8	3.7	2.3	4.5	15.8	6.8	14.1	24.4	19.7	91	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	117
11	04_23398	2nd Supervisorial Dist	San Diego River	Ramona	0.2	0.1	0.7	67.7	3.7	2.3	4.5	7.9	6.8	14.1	36.8	20.0	96	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	116
12	02_6629	5th Supervisorial Dist	San Luis Rey	Fallbrook	2.7	1.8	0.7	68.7	3.6	2.2	4.5	7.8	6.7	13.9	36.4	20.0	95	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	115
13	05_5867	2nd Supervisorial Dist	San Diego River	Lakeside	2.6	2.1	0.8	79.6	3.8	3.2	4.4	8.4	7.4	12.8	22.0	20.5	83	3.4	5.1	13.6	0.0	3.4	3.4	3.4	32	115
14	02_17261	5th Supervisorial Dist	San Luis Rey	Fallbrook	1.0	0.7	0.7	71.1	3.5	2.2	4.3	7.6	6.5	13.5	35.0	19.7	92	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	113
15	05_5625	2nd Supervisorial Dist	San Diego River	Lakeside	2.8	2.3	0.8	81.8	4.0	2.9	4.8	8.7	6.9	14.4	32.8	15.9	90	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	111
16	04_22758	2nd Supervisorial Dist	San Diego River	Ramona	3.1	1.8	0.7	59.3	3.3	2.3	4.0	7.0	5.7	11.9	28.5	32.2	95	0.0	0.0	13.6	0.0	0.0	2.0	1.6	111	111
17	06_18458	2nd Supervisorial Dist	San Diego Bay	Spring Valley	1.3	1.1	0.8	79.4	4.0	3.0	4.6	16.8	10.4	13.7	15.0	17.1	85	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	110
18	01_6770	5th Supervisorial Dist	Santa Margarita River	Fallbrook	3.5	2.3	0.6	66.2	1.6	7.4	5.7	14.2	5.5	11.3	16.1	27.8	89	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	110
19	05_5564	2nd Supervisorial Dist	San Diego River	Lakeside	4.6	4.6	0.7	73.7	3.5	2.7	4.2	7.6	5.9	12.1	25.6	27.4	89	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	109
20	01_6908	5th Supervisorial Dist	Santa Margarita River	Fallbrook	0.6	0.3	0.7	68.7	1.6	8.0	5.8	14.7	5.7	11.5	15.4	25.7	88	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	109
21	05_5950	2nd Supervisorial Dist	San Diego River	Lakeside	2.4	1.8	0.8	87.7	4.0	3.0	4.8	8.8	7.0	14.3	31.8	14.6	80	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	109
22	05_5894	2nd Supervisorial Dist	San Diego River	Lakeside	1.6	1.3	0.8	83.8	4.0	3.3	4.6	8.6	9.6	13.4	20.5	15.6	88	0.4	5.1	13.6	0.0	0.0	3.4	3.4	20	109
23	06_8133	2nd Supervisorial Dist	San Diego Bay	Valle De Oro	10.0	8.3	0.8	83.0	4.0	2.9	4.9	17.6	7.1	14.7	23.2	16.7	91	0.0	0.0	13.6	0.0	0.0	3.4	3.4	17	108
24	05_5860	2nd Supervisorial Dist	San Diego River	Lakeside	8.7	7.4	0.8	84.8	4.1	3.3	4.7	8.7	9.8	13.5	20.1	15.1	79	3.4	5.1	13.6	0.0	0.0	3.4	3.4	29	108
25	04_21700	3rd Supervisorial Dist	San Diego River	San Dieguito	2.8	1.9	0.7	67.0	3.6	2.5	4.3	7.8	6.3	13.1	30.1	33.6	102	0.0	0.0	13.6	0.0	0.0	3.4	2.0	5	108
26	06_8610	2nd Supervisorial Dist	San Diego Bay	Spring Valley	1.1	0.8	0.8	75.8	3.7	2.9	4.4	16.6	6.4	13.3	19.1	14.3	81	0.0	0.0	13.6	0.0	0.0	3.4	3.4	26	106
27	06_8440	2nd Supervisorial Dist	San Diego Bay	Spring Valley	1.9	1.5	0.8	77.9	3.9	3.0	4.5	16.5	9.7	13.2	14.1	15.6	81	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	106
28	01_6859	5th Supervisorial Dist	Santa Margarita River	Fallbrook	0.5	0.4	0.7	67.7	1.8	7.3	6.6	15.7	6.5	13.4	21.8	12.5	86	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	106
29	06_8267	2nd Supervisorial Dist	San Diego Bay	Spring Valley	0.6	0.5	0.7	76.5	3.8	2.9	4.4	16.0	9.8	12.9	13.9	16.7	80	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	106
30	SDTO_4_S233_a	2nd Supervisorial Dist	San Dieguito River	Ramona	1.3	0.8	0.6	60.6	3.2	2.0	3.9	6.8	5.8	12.2	31.7	19.8	85	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	106
31	06_8836	1st Supervisorial Dist	San Diego Bay	County Islands	0.7	0.4	0.6	54.4	7.9	8.7	16.4	19.3	9.3	7.0	18.3	1.3	88	0.0	0.0	13.6	0.0	0.0	3.4	3.4	17	105
32	05_5565	2nd Supervisorial Dist	San Diego River	Lakeside	3.0	2.2	0.7	72.8	3.3	2.5	4.0	6.8	5.4	11.1	24.8	27.6	86	0.0	0.0	13.6	0.0	0.0	3.4	2.0	19	105
33	04_22705	2nd Supervisorial Dist	San Diego River	Ramona	4.9	0.6	0.7	70.8	3.7	2.6	4.4	8.0	6.5	13.4	32.2	16.7	87	0.0	0.0	13.6	0.0	0.0	3.4	3.4	17	104
34	06_12840	2nd Supervisorial Dist	San Diego Bay	Lakeside	0.9	2.5	0.6	51.3	7.3	8.1	14.9	18.3	8.6	6.9	16.6	1.4	82	0.0	5.1	13.6	0.0	0.0	3.4	3.4	22	104
35	04_22752	2nd Supervisorial Dist	San Diego River	Ramona	7.6	4.3	0.7	59.4	3.2	2.1	3.9	6.0	5.1	10.4	26.1	31.4	88	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	104
36	06_8821	1st Supervisorial Dist	San Diego Bay	County Islands	8.7	6.7	0.7	77.0	3.6	2.6	4.4	16.1	6.4	13.3	20.4	16.3	83	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	104
37	05_5924	2nd Supervisorial Dist	San Diego River	Lakeside	0.7	0.6	0.8	87.6	4.1	3.5	4.6	8.9	9.1	13.1	17.9	13.4	75	3.4	5.1	13.6	0.0	0.0	3.4	3.4	29	104
38	04_23375	2nd Supervisorial Dist	San Diego River	Ramona	0.7	0.4	0.7	60.0	3.4	2.1	4.2	7.4	6.3	13.2	34.2	12.2	83	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	103
39	05_5630	2nd Supervisorial Dist	San Diego River	Lakeside	0.4	0.3	0.7	73.4	3.5	2.5	4.2	7.7	6.2	12.8	29.5	16.0	82	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	103
40	06_8266	2nd Supervisorial Dist	San Diego Bay	Spring Valley	0.9	0.6	0.7	73.1	3.6	2.8	4.2	15.4	9.1	12.3	12.8	16.1	76	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	102
41	01_15255	5th Supervisorial Dist	Santa Margarita River	Fallbrook	0.3	0.2	0.7	64.0	1.8	7.8	6.2	14.8	9.3	12.2	13.4	17.3	83	0.0	0.0	13.6	0.0	0.0	3.4	2.0	19	102
42	06_8242	2nd Supervisorial Dist	San Diego Bay	Spring Valley	0.3	0.3	0.8	78.2	3.7	3.1	4.4	16.8	6.2	12.8	16.5	12.6	76	0.0	5.1	13.6	0.0	0.0	3.4	3.4	26	102
43	05_5858	2nd Supervisorial Dist	San Diego River	Lakeside	1.3	1.1	0.8	83.2	3.9	3.4	4.5	8.6	8.8	12.7	17.1	13.4	72	3.4	5.1	13.6	0.0	0.0	3.4	3.4	29	101
44	06_8271	2nd Supervisorial Dist	San Diego Bay	Spring Valley	0.8	0.6	0.7	73.6	3.8	2.8	4.3	15.7	9.8	12.9	14.1	17.3	81	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	101
45	04_22704	2nd Supervisorial Dist	San Diego River	Ramona	0.8	0.5	0.7	65.5	3.5	2.5	4.2	7.6	6.2	12.7	30.4	16.7	84	0.0	0.0	13.6	0.0	0.0	3.4	3.4	17	101
46	05_5854	2nd Supervisorial Dist	San Diego River	Lakeside	4.4	1.2	0.8	86.4	4.1	3.4	4.7	8.8	9.7	13.5	19.8	7.3	71	3.4	5.1	13.6	0.0	0.0	3.4	3.4	29	100
47	01_6854	5th Supervisorial Dist	Santa Margarita River	Fallbrook	0.7	0.5	0.7	69.2	1.7	8.5	6.1	15.5	5.8	12.0	16.1	13.2	79	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	99
48	04_22828	2nd Supervisorial Dist	San Diego River	Ramona	5.3	3.2	0.7	59.5	3.3	2.3	4.0	7.2	5.8	12.0	28.2	16.0	79	0.0	0.0	13.6	0.0	0.0	3.4	3.4	20	99
49	01_6933	5th Supervisorial Dist	Santa Margarita River	Fallbrook	1.6	0.9	0.6	56.2	1.5	8.1	5.3	13.8	5.4	10.2	11.5	20.8	77	0.0	0.0	13.6	0.0	0.0	3.4	2.0	22	99
50	01_6762	5th Supervisorial Dist	Santa Margarita River	Fallbrook	5.1	3.1	0.6	60.9	1.5	6.5	5.5	13.4	5.4	11.2	17.6	17.1	78	3.4	0.0	13.6	0.0	0.0	3.4	3.4	20	99
51	05_5549	2nd Supervisorial Dist	San Diego River	Lakeside	2.5	1.8	0.7	71.6	3.4	2.6	4.0	7.4	5.7	11.8	25.5	14.0	75	0.0	0.0	13.6	0.0	0.0	3.4	3.4	24	98
52	03_4505	5th Supervisorial Dist	Carlsbad	North County Metro	4.9	3.1	0.7	64.4	1.7	2.3	3.9	10.5	5.0	9.9	23.3	36.0	93	0.0	0.0	13.6	0.0	0.0	3.4	2.0	5	98
53	04_22782	2nd Supervisorial Dist	San Diego River	Ramona	2.3	1.4	0.7	60.9																		

ATTACHMENT D.2 – BMP CONSTRAINTS

Table D.2 BMP Constraints

Constraint	Type 1 – Infiltration					Type 2 – Partial Infiltration			Type 3 – Low/No Infiltration		Other	
	Tree Well (GS-1)	Biofilter (GS-3)	Permeable Pavement (GS-4)	Dispersion Area (GS-2)	Drywell	Tree Well (GS-1)	Biofilter (GS-3)	Permeable Pavement (GS-4)	Tree Well (GS-1)	Biofilter with liner (GS-3)	HDS	Vegetated Swale
Maximum distance to public storm drain (ft) ^a	--	--	--	--	--	100	100	100	100	100	100	100
Soil Type ^c	A/B	A/B	A/B	A/B	A/B ^b	C	C	C	D	D	--	--
Overhead power lines ^a	--	--	--	--	Yes	--	--	--	--	--	--	--
Parking present ^a	--	--	Yes	--	--	--	--	Yes	--	--	--	--
Minimum depth to groundwater (ft bgs)	13 ^c	14 ^d	13 ^d	14 ^c	25 ^a	13 ^c	14 ^d	13 ^d	3 ^c	4 ^d	--	11.5 ^d
Minimum width (ft)	4 ^c	4 ^c	8 ^a	4 ^c	7 ^a	4 ^c	4 ^c	8 ^a	4 ^c	4 ^c	--	2 ^d
Minimum length (ft)	6 ^c	6 ^c	8 ^a	4.5 ^c	16 ^a	6 ^c	6 ^c	8 ^a	6 ^c	6 ^c	--	N/A
Slope Max (%)	20 ^e	20 ^d	5 ^c	5 ^c	20 ^e	2 ^d	2 ^d	5 ^c	2 ^d	2 ^d	--	6 ^d
Slope Min (%)	--	--	--	--	--	--	--	--	--	--	--	1.5 ^d
Minimum distance from GeoTracker Contaminated Sites (ft) ^d	100	100	100	100	100	100	100	100	0	0	0	100
Minimum distance from water supply well (ft) ^d	100	100	100	100	100	100	100	100	0	0	--	--
Minimum building setback (ft) ^d	10	10	10	10	25 ^a	0	0	0	0	0	0	10
High priority land use (trash generating) ^a	--	--	--	--	--	--	--	--	--	--	Yes	--

Notes

- (a) Best professional judgment by the GSCW Plan team
- (b) A/B soils screened as "likely suitable"; C/D soils screened as "potentially suitable"
- (c) County of San Diego Green Streets Standard Drawings (2021)
- (d) County of San Diego BMP Design Manual (2020)
- (e) County of San Diego Low Impact Development Handbook (2014), Appendix F

ATTACHMENT D.3 – TOP 30 PROJECT SCORING INPUTS

Attachment D.3 Top 30 Project Scoring Inputs

Rank	Project Name	Watershed	Number of BMPs	BMP Type(s)	BMP Footprint (sqft)	Drainage Area (ac)	Impervious Acre Treated (ac)	Annual FC Reduction (MPN $\times 10^{12}$)	Social Benefit Score	Environmental Benefit Score	Cost Effectiveness Benefit Score	Total Score
									(max 43 points)	(max 100 points)	(max 35 points)	(max 178 points)
1	Sweetwater Rd	Sweetwater	14	Tree Well (Type 3)	19645	48.3	34.66	3.51	43	84	34	161
2	Magnolia Ave	San Diego River	11	Tree Well (Type 3), HDS	10925	20.1	16.5	1.78	40	78	34	152
3	Campo Rd	Sweetwater	11	Tree Well (Type 3), HDS	5107	11.9	9.95	2.21	43	73	33	149
4	S Mission Rd (North)	San Luis Rey	17	Tree Well (Type 3), HDS	10047	21.7	11.92	1.34	41	74	33	148
4	Ammunition Rd	Santa Margarita River	4	Tree Well (Type 1), HDS	1317	3.5	2.35	0.03	39	76	33	148
6	Day St	San Dieguito River	4	Tree Well (Type 3), HDS	3174	6.2	4.04	1.14	41	72	33	146
6	Wintercrest Dr	San Diego River	3	Tree Well (Type 3)	2954	3.7	2.95	0.97	43	71	32	146
8	Osborne St	San Luis Rey	1	Tree Well (Type 3)	5710	30.4	13.21	3.69	34	75	34	143
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	2	Tree Well (Type 3)	4128	5.4	3.32	1.37	39	69	32	140
10	Denny Way	San Diego River	6	Tree Well (Type 3)	4848	3.5	3.11	0.86	37	68	32	137
11	S Main Ave	Santa Margarita River	3	Tree Well (Type 1), HDS	647	2.2	1.52	0.14	40	63	33	136
12	Vine St (El Cajon North)	San Diego River	1	Tree Well (Type 2)	632	4.7	3.75	0.31	37	63	35	135
12	Channel Rd	San Diego River	2	Tree Well (Type 2)	2391	2.5	1.79	0.49	43	60	32	135
14	Vine St (El Cajon South)	San Diego River	3	Tree Well (Type 3), HDS	579	3.2	2.63	0.34	41	51	34	126
15	S Santa Fe Ave	Carlsbad	1	HDS	29	48.5	36.74	0.00	24	60	35	119
16	Montecito Rd	San Dieguito River	1	HDS	8	7.1	4.21	0.00	26	57	35	118
17	W Bradley Ave	San Diego River	1	HDS	20	5.9	5.33	0.00	25	57	35	117
17	Vernon Way	San Diego River	1	HDS	75	8.7	7.18	0.00	22	60	35	117
19	S Mission Rd (South)	San Luis Rey	1	Tree Well (Type 3)	383	2.2	1.22	0.26	38	43	34	115
20	Troy St	Sweetwater	1	Tree Well (Type 3)	3409	0.9	0.55	0.14	39	42	32	113
21	Airway Rd	Tijuana River	2	Tree Well (Type 3)	921	23.6	11.38	1.20	35	41	35	111
22	W Fallbrook St	Santa Margarita River	2	Tree Well (Type 3)	369	0.7	0.56	0.11	40	38	32	110
23	N Vine St (Fallbrook)	Santa Margarita River	4	Tree Well (Type 3), HDS	689	1.8	1.18	0.24	39	38	32	109
24	16th St	San Dieguito River	1	HDS	156	3.1	1.95	0.00	26	47	34	107
25	Prospect St	Sweetwater	1	HDS	2	4.4	3.34	0.00	26	43	35	104
26	W College St	Santa Margarita River	1	Tree Well (Type 3)	4600	2.6	1.75	0.55	41	59	0	100
26	Julian Ave	San Diego River	1	Tree Well (Type 3)	67	0.4	0.36	0.04	39	28	33	100
28	Birch St	Sweetwater	1	HDS	6	1.9	1.50	0.00	24	41	34	99
29	Bancroft Dr	Sweetwater	3	HDS	80	2.3	1.61	0.00	24	41	33	98
30	8th St	San Dieguito River	2	HDS	8	1.7	2.47	0.00	26	34	34	94

Attachment D.3 Top 30 Project Scoring Inputs

Social Benefit			LUEG 0.2 Version "Underserved Communities" <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Include community involvement (assumes vegetated BMPs will involve community) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Limited pedestrian access (Ped Gap Score) <i>(Points given based on the average Ped Gap Scores of the collective BMPs within the Project)</i>		Enhance/create recreational and public use areas (Assumes Vegetated or Trash BMPs will receive maximum points) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Provide public education opportunities (assumes surface BMPs will provide public education opportunities) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Improve community mobility & access (LID BMPs within 200 ft of transit) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Limited park access (Vegetated BMPs >1/4 mile from parks) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Identified traffic safety improvements <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Sum
Criteria and Available Points			Yes	17	Yes	10	≥ 1589	4	Vegetated or Trash BMPs	3	Yes	3	Yes	2	Yes	2	Yes	2	43
							1342 – 1573	3											
							959 – 1308	2											
			No	0	None	0	571 – 947	1											
							No Score - 571	0	Others	1	No	0	No	0	No	0	No	0	
Rank	Project Name	Watershed	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Sum
1	Sweetwater Rd	Sweetwater	Yes	17	Yes	10	1872.85	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	43
2	Magnolia Ave	San Diego River	Yes	17	Yes	10	713.83	1	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	40
3	Campo Rd	Sweetwater	Yes	17	Yes	10	1643.73	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	43
4	S Mission Rd (North)	San Luis Rey	Yes	17	Yes	10	1694.67	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	No	0	41
4	Ammunition Rd	Santa Margarita River	Yes	17	Yes	10	2339.54	4	Vegetated or Trash BMP	3	Yes	3	No	0	No	0	Yes	2	39
6	Day St	San Dieguito River	Yes	17	Yes	10	1860.04	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	No	0	41
6	Wintercrest Dr	San Diego River	Yes	17	Yes	10	1784.45	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	43
8	Osborne St	San Luis Rey	Yes	17	Yes	10	713.19	1	Vegetated or Trash BMP	3	Yes	3	No	0	No	0	No	0	34
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	Yes	17	Yes	10	1765.09	4	Vegetated or Trash BMP	3	Yes	3	No	0	No	0	Yes	2	39
10	Denny Way	San Diego River	Yes	17	Yes	10	262.11	0	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	No	0	37
11	S Main Ave	Santa Margarita River	Yes	17	Yes	10	1544.68	3	Vegetated or Trash BMP	3	Yes	3	Yes	2	No	0	Yes	2	40
12	Vine St (El Cajon North)	San Diego River	Yes	17	Yes	10	1115.36	2	Vegetated or Trash BMP	3	Yes	3	Yes	2	No	0	No	0	37
12	Channel Rd	San Diego River	Yes	17	Yes	10	2057.10	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	43
14	Vine St (El Cajon South)	San Diego River	Yes	17	Yes	10	1659.06	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	No	0	Yes	2	41
15	S Santa Fe Ave	Carlsbad	Yes	17	No	0	0.00	0	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	Yes	2	24
16	Montecito Rd	San Dieguito River	Yes	17	No	0	2353.00	4	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	26
17	W Bradley Ave	San Diego River	Yes	17	No	0	572.20	1	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	Yes	2	25
17	Vernon Way	San Diego River	Yes	17	No	0	0.00	0	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	22
19	S Mission Rd (South)	San Luis Rey	Yes	17	Yes	10	1383.09	3	Vegetated or Trash BMP	3	Yes	3	No	0	No	0	Yes	2	38
20	Troy St	Sweetwater	Yes	17	Yes	10	0.00	0	Vegetated or Trash BMP	3	Yes	3	Yes	2	Yes	2	Yes	2	39
21	Airway Rd	Tijuana River	Yes	17	Yes	10	0.00	0	Vegetated or Trash BMP	3	Yes	3	No	0	Yes	2	No	0	35
22	W Fallbrook St	Santa Margarita River	Yes	17	Yes	10	1546.56	3	Vegetated or Trash BMP	3	Yes	3	No	0	Yes	2	Yes	2	40
23	N Vine St (Fallbrook)	Santa Margarita River	Yes	17	Yes	10	1774.58	4	Vegetated or Trash BMP	3	Yes	3	No	0	Yes	2	No	0	39
24	16th St	San Dieguito River	Yes	17	No	0	1793.18	4	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	26
25	Prospect St	Sweetwater	Yes	17	No	0	2251.95	4	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	26
26	W College St	Santa Margarita River	Yes	17	Yes	10	1622.35	4	Vegetated or Trash BMP	3	Yes	3	No	0	Yes	2	Yes	2	41
26	Julian Ave	San Diego River	Yes	17	Yes	10	1808.04	4	Vegetated or Trash BMP	3	Yes	3	Yes	2	No	0	No	0	39
28	Birch St	Sweetwater	Yes	17	No	0	1646.63	4	Vegetated or Trash BMP	3	No	0	No	0	No	0	No	0	24
29	Bancroft Dr	Sweetwater	Yes	17	No	0	1198.73	2	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	24
30	8th St	San Dieguito River	Yes	17	No	0	1715.26	4	Vegetated or Trash BMP	3	No	0	Yes	2	No	0	No	0	26

Attachment D.3 Top 30 Project Scoring Inputs

Environmental Benefit - Water Quality			Addresses TMDL constituents and/or PWQC (303d pollutant) in WQIP <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Trash Priority Land Use <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Pollutant Load Reduction <i>(Points given based on the sum of the effective impervious area treated within the Project)</i>		Sum
Criteria and Available Points			Yes	8	Yes	7	≥ 80th percentile	40	55
							60-79th percentile	30	
						40-59th percentile	20		
		No	0	No	0	20-39th percentile	10		
						<20th percentile or no reduction	0		
Rank	Project Name	Watershed	Input	Points	Input	Points	Effective Impervious Area Treated (ac)	Points	Sum
1	Sweetwater Rd	Sweetwater	Yes	8	Yes	7	14.35	40	55
2	Magnolia Ave	San Diego River	Yes	8	Yes	7	13.35	40	55
3	Campo Rd	Sweetwater	Yes	8	No	0	8.03	40	48
4	S Mission Rd (North)	San Luis Rey	Yes	8	No	0	10.99	40	48
4	Ammunition Rd	Santa Margarita River	Yes	8	Yes	7	2.62	30	45
6	Day St	San Dieguito River	Yes	8	Yes	7	3.07	30	45
6	Wintercrest Dr	San Diego River	Yes	8	Yes	7	2.93	30	45
8	Osborne St	San Luis Rey	Yes	8	No	0	7.91	40	48
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	Yes	8	No	0	3.27	30	38
10	Denny Way	San Diego River	Yes	8	Yes	7	3.14	30	45
11	S Main Ave	Santa Margarita River	Yes	8	Yes	7	1.57	20	35
12	Vine St (El Cajon North)	San Diego River	Yes	8	Yes	7	1.46	20	35
12	Channel Rd	San Diego River	Yes	8	No	0	1.82	20	28
14	Vine St (El Cajon South)	San Diego River	Yes	8	No	0	1.49	20	28
15	S Santa Fe Ave	Carlsbad	Yes	8	Yes	7	42.40	40	55
16	Montecito Rd	San Dieguito River	Yes	8	Yes	7	4.77	40	55
17	W Bradley Ave	San Diego River	Yes	8	Yes	7	6.25	40	55
17	Vernon Way	San Diego River	Yes	8	Yes	7	8.43	40	55
19	S Mission Rd (South)	San Luis Rey	Yes	8	No	0	0.62	10	18
20	Troy St	Sweetwater	Yes	8	No	0	0.54	10	18
21	Airway Rd	Tijuana River	No	0	No	0	1.83	20	20
22	W Fallbrook St	Santa Margarita River	Yes	8	No	0	0.42	10	18
23	N Vine St (Fallbrook)	Santa Margarita River	Yes	8	No	0	0.98	10	18
24	16th St	San Dieguito River	Yes	8	Yes	7	2.21	30	45
25	Prospect St	Sweetwater	Yes	8	No	0	3.70	30	38
26	W College St	Santa Margarita River	Yes	8	Yes	7	1.79	20	35
26	Julian Ave	San Diego River	Yes	8	No	0	0.14	0	8
28	Birch St	Sweetwater	Yes	8	Yes	7	1.67	20	35
29	Bancroft Dr	Sweetwater	Yes	8	Yes	7	1.83	20	35
30	8th St	San Dieguito River	Yes	8	No	0	1.40	20	28

Attachment D.3 Top 30 Project Scoring Inputs

Environmental Benefit - Water Supply			Priority Project (Infiltrates and identified as water supply area in SWRP Section 5.2) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Reduces Irrigation usage <i>(Points given based on the minimum of the collective BMP points within the Project)</i>		Capture for direct uses (Irrigation - Vegetated BMPs within ¼ mile of parks) (Treatment - BMP within 100 ft of Sewer Line) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Capture for direct uses (BMP infiltrates to a SGMA priority groundwater aquifer) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Capture for indirect uses (Infiltrating BMP) <i>(Points given based on the maximum of the collective BMP points within the Project)</i>		Sum	
Criteria and Available Points			Yes	4	Vegetated BMPs	0	Potential irrigation on site	4	Medium	3	Yes	3	16	
			No	0 <th>Others</th> <td>2 <th>Potential Treatment facility</th> <td>3 <th>Low</th> <td>2 </td></td></td>	Others	2 <th>Potential Treatment facility</th> <td>3 <th>Low</th> <td>2 </td></td>	Potential Treatment facility	3 <th>Low</th> <td>2 </td>	Low	2				
Rank	Project Name	Watershed	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points		Sum
1	Sweetwater Rd	Sweetwater	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
2	Magnolia Ave	San Diego River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
3	Campo Rd	Sweetwater	No	0	No-Vegetated BMP	0	Potential Treatment facility	3	None	0	No	0	3	
4	S Mission Rd (North)	San Luis Rey	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
4	Ammunition Rd	Santa Margarita River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	Yes	3	7	
6	Day St	San Dieguito River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
6	Wintercrest Dr	San Diego River	No	0	No-Vegetated BMP	0	Potential Treatment facility	3	None	0	No	0	3	
8	Osborne St	San Luis Rey	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
10	Denny Way	San Diego River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
11	S Main Ave	Santa Margarita River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	Yes	3	7	
12	Vine St (El Cajon North)	San Diego River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	Very Low	1	Yes	3	8	
12	Channel Rd	San Diego River	No	0	No-Vegetated BMP	0	Potential Treatment facility	3	Very Low	1	Yes	3	7	
14	Vine St (El Cajon South)	San Diego River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
15	S Santa Fe Ave	Carlsbad	No	0	Others	2	None	0	None	0	No	0	2	
16	Montecito Rd	San Dieguito River	No	0	Others	2	None	0	None	0	No	0	2	
17	W Bradley Ave	San Diego River	No	0	Others	2	None	0	None	0	No	0	2	
17	Vernon Way	San Diego River	No	0	Others	2	None	0	None	0	No	0	2	
19	S Mission Rd (South)	San Luis Rey	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
20	Troy St	Sweetwater	No	0	No-Vegetated BMP	0	Potential Treatment facility	3	None	0	No	0	3	
21	Airway Rd	Tijuana River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
22	W Fallbrook St	Santa Margarita River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
23	N Vine St (Fallbrook)	Santa Margarita River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
24	16th St	San Dieguito River	No	0	Others	2	None	0	None	0	No	0	2	
25	Prospect St	Sweetwater	No	0	Others	2	Potential Treatment facility	3	None	0	No	0	5	
26	W College St	Santa Margarita River	No	0	No-Vegetated BMP	0	None	0	None	0	No	0	0	
26	Julian Ave	San Diego River	No	0	No-Vegetated BMP	0	Potential irrigation on site	4	None	0	No	0	4	
28	Birch St	Sweetwater	No	0	Others	2	Potential irrigation on site	4	None	0	No	0	6	
29	Bancroft Dr	Sweetwater	No	0	Others	2	Potential irrigation on site	4	None	0	No	0	6	
30	8th St	San Dieguito River	No	0	Others	2	Potential irrigation on site	4	None	0	No	0	6	

Attachment D.3 Top 30 Project Scoring Inputs

Environmental Benefit - Flood Management			Long Term Peak Flow Reduction <i>(Points given based on the weighted effective impervious area % reduction of the collective BMP % reductions with the Project)</i>		Volume Reduction <i>(Points given based on the sum of the collective BMP volume reduction with the Project)</i>		Sum
Criteria and Available Points			≥ 80th percentile	5	≥ 80th percentile	5	10
			60-79th percentile	4	60-79th percentile	4	
			40-59th percentile	3	40-59th percentile	3	
			20-39th percentile	2	20-39th percentile	2	
			<20th percentile or no reduction	0	<20th percentile or no reduction	0	
Rank	Project Name	Watershed	Peak Flow Reduction (%)	Points	Total Annual Volume Reduction (cuft)	Points	Sum
1	Sweetwater Rd	Sweetwater	1.42	4	11493	5	9
2	Magnolia Ave	San Diego River	1.08	3	5626	4	7
3	Campo Rd	Sweetwater	0.93	2	3316	4	6
4	S Mission Rd (North)	San Luis Rey	0.60	2	2723	4	6
4	Ammunition Rd	Santa Margarita River	0.94	3	28123	5	8
6	Day St	San Dieguito River	1.37	3	1666	4	7
6	Wintercrest Dr	San Diego River	1.88	4	1140	3	7
8	Osborne St	San Luis Rey	0.56	2	8216	5	7
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	1.97	4	1663	4	8
10	Denny Way	San Diego River	2.01	4	1201	3	7
11	S Main Ave	Santa Margarita River	0.15	0	18098	5	5
12	Vine St (El Cajon North)	San Diego River	0.41	0	2705	4	4
12	Channel Rd	San Diego River	2.17	5	6034	4	9
14	Vine St (El Cajon South)	San Diego River	0.35	0	916	3	3
15	S Santa Fe Ave	Carlsbad	0.00	0	0	0	0
16	Montecito Rd	San Dieguito River	0.00	0	0	0	0
17	W Bradley Ave	San Diego River	0.00	0	0	0	0
17	Vernon Way	San Diego River	0.00	0	0	0	0
19	S Mission Rd (South)	San Luis Rey	0.45	2	657	3	5
20	Troy St	Sweetwater	2.16	5	193	0	5
21	Airway Rd	Tijuana River	0.11	0	6196	5	5
22	W Fallbrook St	Santa Margarita River	0.87	2	267	2	4
23	N Vine St (Fallbrook)	Santa Margarita River	0.89	2	441	2	4
24	16th St	San Dieguito River	0.00	0	0	0	0
25	Prospect St	Sweetwater	0.00	0	0	0	0
26	W College St	Santa Margarita River	2.39	5	871	3	8
26	Julian Ave	San Diego River	0.35	0	141	0	0
28	Birch St	Sweetwater	0.00	0	0	0	0
29	Bancroft Dr	Sweetwater	0.00	0	0	0	0
30	8th St	San Dieguito River	0.00	0	0	0	0

Attachment D.3 Top 30 Project Scoring Inputs

Environmental Benefit - Natural Environment			Landscaped with native vegetation for drought and fire-resistance (Vegetated BMPs) (Points given based on the maximum of the collective BMP points within the Project)		Increase urban green space (Vegetated BMPs increase green space) (Points given based on the maximum of the collective BMP points within the Project)		Create or enhance wetland and/or riparian habitat (BMP within 100 ft of a waterbody) (Points given based on the maximum of the collective BMP points within the Project)		Improve water temperatures for the benefit of habitats (Vegetated BMPs increase shaded water) (Points given based on the maximum of the collective BMP points within the Project)		Reduce GHG emissions or increase carbon sinks (Vegetated BMPs) (Points given based on the maximum of the collective BMP points within the Project)		Reduce operational energy consumption (Points given based on the maximum of the collective BMP points within the Project)		Sum
Criteria and Available Points			Yes	5	Yes	5	Yes	3	Yes	2	Yes	2	Tree Wells		2
			Others (Except HDS and CDS)												1
			No	0	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units
Rank	Project Name	Watershed	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Input	Points	Sum
1	Sweetwater Rd	Sweetwater	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
2	Magnolia Ave	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
3	Campo Rd	Sweetwater	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
4	S Mission Rd (North)	San Luis Rey	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
4	Ammunition Rd	Santa Margarita River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
6	Day St	San Dieguito River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
6	Wintercrest Dr	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
8	Osborne St	San Luis Rey	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	Yes	5	Yes	5	Yes	3	Yes	2	Yes	2	Tree Wells	2	19
10	Denny Way	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
11	S Main Ave	Santa Margarita River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
12	Vine St (El Cajon North)	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
12	Channel Rd	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
14	Vine St (El Cajon South)	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
15	S Santa Fe Ave	Carlsbad	No	0	No	0	Yes	3	No	0	No	0	HDS and CDS Units	0	3
16	Montecito Rd	San Dieguito River	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
17	W Bradley Ave	San Diego River	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
17	Vernon Way	San Diego River	No	0	No	0	Yes	3	No	0	No	0	HDS and CDS Units	0	3
19	S Mission Rd (South)	San Luis Rey	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
20	Troy St	Sweetwater	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
21	Airway Rd	Tijuana River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
22	W Fallbrook St	Santa Margarita River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
23	N Vine St (Fallbrook)	Santa Margarita River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
24	16th St	San Dieguito River	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
25	Prospect St	Sweetwater	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
26	W College St	Santa Margarita River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
26	Julian Ave	San Diego River	Yes	5	Yes	5	No	0	Yes	2	Yes	2	Tree Wells	2	16
28	Birch St	Sweetwater	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
29	Bancroft Dr	Sweetwater	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0
30	8th St	San Dieguito River	No	0	No	0	No	0	No	0	No	0	HDS and CDS Units	0	0

Attachment D.3 Top 30 Project Scoring Inputs

Cost Effectiveness Benefit		Lowest capital cost per impervious acre treated <i>(Capital costs and total impervious area were summed on project level to get a new \$/ac value)</i>		
Criteria and Available Points		≥ 80th percentile (Highest \$/ac)	0	
		60-79th percentile	32	
		40-59th percentile	33	
		20-39th percentile	34	
		<20th percentile (Lowest \$/ac)	35	
Rank	Project Name	Watershed	\$/ac	Points
1	Sweetwater Rd	Sweetwater	\$ 62,707	34
2	Magnolia Ave	San Diego River	\$ 120,711	34
3	Campo Rd	Sweetwater	\$ 147,760	33
4	S Mission Rd (North)	San Luis Rey	\$ 123,126	33
4	Ammunition Rd	Santa Margarita River	\$ 218,190	33
6	Day St	San Dieguito River	\$ 161,903	33
6	Wintercrest Dr	San Diego River	\$ 259,389	32
8	Osborne St	San Luis Rey	\$ 102,971	34
9	S Mission Rd (W Aviation Rd)	Santa Margarita River	\$ 310,285	32
10	Denny Way	San Diego River	\$ 254,744	32
11	S Main Ave	Santa Margarita River	\$ 193,812	33
12	Vine St (El Cajon North)	San Diego River	\$ 55,367	35
12	Channel Rd	San Diego River	\$ 306,693	32
14	Vine St (El Cajon South)	San Diego River	\$ 100,985	34
15	S Santa Fe Ave	Carlsbad	\$ 2,374	35
16	Montecito Rd	San Dieguito River	\$ 20,734	35
17	W Bradley Ave	San Diego River	\$ 16,372	35
17	Vernon Way	San Diego River	\$ 12,144	35
19	S Mission Rd (South)	San Luis Rey	\$ 122,582	34
20	Troy St	Sweetwater	\$ 347,675	32
21	Airway Rd	Tijuana River	\$ 30,600	35
22	W Fallbrook St	Santa Margarita River	\$ 309,079	32
23	N Vine St (Fallbrook)	Santa Margarita River	\$ 264,405	32
24	16th St	San Dieguito River	\$ 60,891	34
25	Prospect St	Sweetwater	\$ 26,138	35
26	W College St	Santa Margarita River	\$ 358,572	0
26	Julian Ave	San Diego River	\$ 215,515	33
28	Birch St	Sweetwater	\$ 57,987	34
29	Bancroft Dr	Sweetwater	\$ 123,056	33
30	8th St	San Dieguito River	\$ 57,820	34

ATTACHMENT D.4 – TOP 30 PROJECT WATER QUALITY BENEFIT RESULTS

Table D.4.1 Total Annual Volume Captured and Peak Flow Reductions

Project Name	BMP Type	Total Volume Inflow (cf)	Total Volume Treated (cf)	Total Volume Retained (cf)	Total Volume Captured (cf)	Total Volume Bypassed (cf)	Long-Term Peak Flow Reduction (%)
Sweetwater Rd	Tree Well (Type 3)	1,533,368	747,027	11,493	758,521	774,847	1.42
Magnolia Ave	Tree Well (Type 3)	806,932	572,048	5,626	577,674	229,258	1.08
Campo Rd	Tree Well (Type 3), HDS	460,449	327,661	3,316	330,977	129,472	0.93
S Mission Rd (North)	Tree Well (Type 3), HDS	796,050	628,918	2,723	631,641	164,409	0.60
Ammunition Rd	Tree Well (Type 1), HDS	142,418	101,775	28,123	129,898	12,520	0.94
Day St	Tree Well (Type 3), HDS	250,122	169,864	1,666	171,530	78,592	1.37
Wintercrest Dr	Tree Well (Type 3)	143,218	118,680	1,140	119,819	23,399	1.88
Osborne St	Tree Well (Type 3)	960,560	524,146	8,216	532,363	428,197	0.56
S Mission Rd (W Aviation Rd)	Tree Well (Type 3)	208,262	171,080	1,663	172,743	35,519	1.97
Denny Way	Tree Well (Type 3)	147,331	123,211	1,201	124,412	22,918	2.01
S Main Ave	Tree Well (Type 1), HDS	91,807	60,187	18,098	78,285	13,522	0.15
Vine St (El Cajon North)	Tree Well (Type 2)	197,062	84,075	2,705	86,780	110,282	0.41
Channel Rd	Tree Well (Type 2)	89,273	69,957	6,034	75,991	13,282	2.17
Vine St (El Cajon South)	Tree Well (Type 3), HDS	129,757	71,515	916	72,430	57,327	0.35
S Santa Fe Ave	HDS	2,121,960	1,986,756	-	1,986,756	135,204	-
Montecito Rd	HDS	276,734	256,137	-	256,137	20,597	-
W Bradley Ave	HDS	250,158	237,734	-	237,734	12,424	-
Vernon Way	HDS	353,726	336,350	-	336,350	17,375	-
S Mission Rd (South)	Tree Well (Type 3)	82,915	43,498	657	44,156	38,759	0.45
Troy St	Tree Well (Type 3)	21,861	17,765	193	17,958	3,903	2.16
Airway Rd	Tree Well (Type 3)	620,502	74,274	6,196	80,470	540,032	0.11
W Fallbrook St	Tree Well (Type 3)	32,291	21,526	267	21,793	10,499	0.87
N Vine St (Fallbrook)	Tree Well (Type 3), HDS	75,447	54,063	441	54,503	20,943	0.89
16th St	HDS	123,958	114,669	-	114,669	9,289	-
Prospect St	HDS	137,861	126,189	-	126,189	11,672	-
W College St	Tree Well (Type 3)	107,204	90,449	871	91,320	15,885	2.39
Julian Ave	Tree Well (Type 3)	17,558	7,744	141	7,885	9,672	0.35
Birch St	HDS	63,050	57,593	-	57,593	5,457	-
Bancroft Dr	HDS	79,081	73,355	-	73,355	5,726	-
8th St	HDS	73,183	67,623	-	67,623	5,560	-

Table D.4.2: Annual Wet Weather Volume and Peak Flow Reductions

Project Name	BMP Type	Volume Inflow (cf)	Volume Treated (cf)	Volume Retained (cf)	Volume Captured (cf)	Volume Bypassed (cf)	Long-Term Peak Flow Reduction (%)
Sweetwater Rd	Tree Well (Type 3)	1,149,345	363,005	11,493	374,498	774,847	1.42
Magnolia Ave	Tree Well (Type 3)	651,947	417,063	5,626	422,690	229,258	1.08
Campo Rd	Tree Well (Type 3), HDS	365,897	233,108	3,316	236,425	129,472	0.93
S Mission Rd (North)	Tree Well (Type 3), HDS	639,445	472,313	2,723	475,036	164,409	0.60
Ammunition Rd	Tree Well (Type 1), HDS	115,277	82,345	20,413	102,758	12,520	0.94
Day St	Tree Well (Type 3), HDS	202,219	121,962	1,666	123,628	78,592	1.37
Wintercrest Dr	Tree Well (Type 3)	113,987	89,449	1,140	90,589	23,399	1.88
Osborne St	Tree Well (Type 3)	821,636	385,222	8,216	393,439	428,197	0.56
S Mission Rd (W Aviation Rd)	Tree Well (Type 3)	166,340	129,157	1,663	130,820	35,519	1.97
Denny Way	Tree Well (Type 3)	120,104	95,984	1,201	97,185	22,918	2.01
S Main Ave	Tree Well (Type 1), HDS	74,500	48,997	11,981	60,978	13,522	0.15
Vine St (El Cajon North)	Tree Well (Type 2)	160,452	47,465	2,704	50,169	110,282	0.41
Channel Rd	Tree Well (Type 2)	70,691	51,376	6,033	57,409	13,282	2.17
Vine St (El Cajon South)	Tree Well (Type 3), HDS	104,494	46,252	916	47,167	57,327	0.35
S Santa Fe Ave	HDS	1,761,907	1,626,703	-	1,626,703	135,204	-
Montecito Rd	HDS	222,484	201,887	-	201,887	20,597	-
W Bradley Ave	HDS	204,393	191,969	-	191,969	12,424	-
Vernon Way	HDS	285,656	268,280	-	268,280	17,375	-
S Mission Rd (South)	Tree Well (Type 3)	65,737	26,321	657	26,978	38,759	0.45
Troy St	Tree Well (Type 3)	19,310	15,214	193	15,407	3,903	2.16
Airway Rd	Tree Well (Type 3)	619,585	73,357	6,196	79,553	540,032	0.11
W Fallbrook St	Tree Well (Type 3)	26,719	15,953	267	16,220	10,499	0.87
N Vine St (Fallbrook)	Tree Well (Type 3), HDS	62,101	40,717	441	41,157	20,943	0.89
16th St	HDS	100,322	91,034	-	91,034	9,289	-
Prospect St	HDS	102,680	91,008	-	91,008	11,672	-
W College St	Tree Well (Type 3)	87,086	70,331	871	71,202	15,885	2.39
Julian Ave	Tree Well (Type 3)	14,117	4,303	141	4,444	9,672	0.35
Birch St	HDS	47,949	42,492	-	42,492	5,457	-
Bancroft Dr	HDS	61,127	55,401	-	55,401	5,726	-
8th St	HDS	60,059	54,499	-	54,499	5,560	-

Table D.4.3: Annual Dry Weather Volume Reductions

Project Name	BMP Type	Volume Inflow (cf)	Volume Treated (cf)	Volume Retained (cf)	Volume Captured (cf)	Volume Bypassed (cf)
Sweetwater Rd	Tree Well (Type 3)	384,022	384,022	-	384,022	-
Magnolia Ave	Tree Well (Type 3), HDS	154,984	154,984	-	154,984	-
Campo Rd	Tree Well (Type 3), HDS	94,552	94,552	-	94,552	-
S Mission Rd (North)	Tree Well (Type 3), HDS	156,605	156,605	-	156,605	-
Ammunition Rd	Tree Well (Type 1), HDS	19,430	19,430	7,711	27,140	-
Day St	Tree Well (Type 3), HDS	47,903	47,903	-	47,903	-
Wintercrest Dr	Tree Well (Type 3)	29,231	29,231	-	29,231	-
Osborne St	Tree Well (Type 3)	138,924	138,924	-	138,924	-
S Mission Rd (W Aviation Rd)	Tree Well (Type 3)	41,923	41,923	-	41,923	-
Denny Way	Tree Well (Type 3)	27,227	27,227	-	27,227	-
S Main Ave	Tree Well (Type 1), HDS	11,190	11,190	6,118	17,308	-
Vine St (El Cajon North)	Tree Well (Type 2)	36,610	36,610	-	36,610	-
Channel Rd	Tree Well (Type 2)	18,581	18,581	1	18,582	-
Vine St (El Cajon South)	Tree Well (Type 3), HDS	25,263	25,263	-	25,263	-
S Santa Fe Ave	HDS	360,053	360,053	-	360,053	-
Montecito Rd	HDS	54,250	54,250	-	54,250	-
W Bradley Ave	HDS	45,764	45,764	-	45,764	-
Vernon Way	HDS	68,070	68,070	-	68,070	-
S Mission Rd (South)	Tree Well (Type 3)	17,178	17,178	-	17,178	-
Troy St	Tree Well (Type 3)	2,551	2,551	-	2,551	-
Airway Rd	Tree Well (Type 3)	917	917	-	917	-
W Fallbrook St	Tree Well (Type 3)	5,573	5,573	-	5,573	-
N Vine St (Fallbrook)	Tree Well (Type 3), HDS	13,346	13,346	-	13,346	-
16th St	HDS	23,635	23,635	-	23,635	-
Prospect St	HDS	35,181	35,181	-	35,181	-
W College St	Tree Well (Type 3)	20,118	20,118	-	20,118	-
Julian Ave	Tree Well (Type 3)	3,441	3,441	-	3,441	-
Birch St	HDS	15,101	15,101	-	15,101	-
Bancroft Dr	HDS	17,954	17,954	-	17,954	-
8th St	HDS	13,124	13,124	-	13,124	-

Table D.4.4 Total Annual Load Benefit Quantification

Project Name	BMP Type	Total Annual Load Reductions							
		TSS (lb)	TP (lb)	TN (lb)	TCu (lb)	TPb (lb)	TZn (lb)	FC (MPN $\times 10^{12}$)	Trash (gal)
Sweetwater Rd	Tree Well (Type 3)	2,238	1.331	36.281	0.902	0.162	8.753	3.51	137.86
Magnolia Ave	Tree Well (Type 3), HDS	2,117	1.461	28.525	0.925	0.192	7.527	1.78	53.41
Campo Rd	Tree Well (Type 3), HDS	1,343	0.086	25.443	0.556	0.094	5.365	2.21	61.51
S Mission Rd (North)	Tree Well (Type 3), HDS	1,698	0.243	51.783	0.691	0.067	3.724	1.34	87.38
Ammunition Rd	Tree Well (Type 1), HDS	264	0.939	14.641	0.164	0.012	0.426	0.03	14.61
Day St	Tree Well (Type 3), HDS	673	0.034	15.437	0.273	0.045	2.542	1.14	36.77
Wintercrest Dr	Tree Well (Type 3)	554	0.026	9.595	0.224	0.040	2.319	0.97	19.47
Osborne St	Tree Well (Type 3)	20,101	32.077	410.421	1.030	0.330	3.877	3.69	20.36
S Mission Rd (W Aviation Rd)	Tree Well (Type 3)	809	0.040	13.506	0.335	0.059	3.390	1.37	27.91
Denny Way	Tree Well (Type 3)	597	0.176	8.909	0.247	0.052	2.433	0.86	14.84
S Main Ave	Tree Well (Type 1), HDS	189	0.381	10.520	0.099	0.010	0.352	0.14	12.46
Vine St (El Cajon North)	Tree Well (Type 2)	328	0.169	4.277	0.128	0.041	1.227	0.31	11.94
Channel Rd	Tree Well (Type 2)	350	0.174	5.857	0.146	0.025	1.367	0.49	10.59
Vine St (El Cajon South)	Tree Well (Type 3), HDS	232	0.023	4.766	0.104	0.015	0.887	0.34	15.42
S Santa Fe Ave	HDS	3,215	0.000	151.091	1.759	0.000	0.694	0.00	115.23
Montecito Rd	HDS	319	0.000	23.049	0.169	0.000	0.092	0.00	34.77
W Bradley Ave	HDS	349	0.000	18.127	0.215	0.000	0.081	0.00	17.15
Vernon Way	HDS	487	0.000	23.728	0.299	0.000	0.117	0.00	19.66
S Mission Rd (South)	Tree Well (Type 3)	161	0.017	2.615	0.069	0.012	0.677	0.26	10.69
Troy St	Tree Well (Type 3)	597	1.687	22.611	0.064	0.014	0.240	0.14	0.32
Airway Rd	Tree Well (Type 3)	4,802	13.706	192.161	0.422	0.109	1.218	1.20	0.12
W Fallbrook St	Tree Well (Type 3)	87	0.059	1.171	0.041	0.006	0.369	0.11	2.71
N Vine St (Fallbrook)	Tree Well (Type 3), HDS	178	0.022	4.279	0.079	0.010	0.611	0.24	7.34
16th St	HDS	165	0.000	10.433	0.099	0.000	0.036	0.00	14.91
Prospect St	HDS	152	0.000	8.850	0.103	0.000	0.040	0.00	17.63
W College St	Tree Well (Type 3)	398	0.172	5.591	0.180	0.029	1.673	0.55	10.01
Julian Ave	Tree Well (Type 3)	25	0.010	0.384	0.011	0.002	0.106	0.04	1.89
Birch St	HDS	81	0.000	4.017	0.047	0.000	0.018	0.00	4.45
Bancroft Dr	HDS	108	0.000	5.313	0.062	0.000	0.023	0.00	5.68
8th St	HDS	102	0.000	6.304	0.061	0.000	0.021	0.00	8.59

Table D.4.5: Annual Wet Weather Load Benefit Quantification

Collective BMP ID	BMP Type	Wet Weather Load Reductions							
		TSS (lb)	TP (lb)	TN (lb)	TCu (lb)	TPb (lb)	TZn (lb)	FC (MPNx10 ¹²)	Trash (gal)
Sweetwater Rd	Tree Well (Type 3)	2,238	1.331	36.281	0.902	0.162	8.753	3.50	137.86
Magnolia Ave	Tree Well (Type 3), HDS	2,117	1.461	28.525	0.925	0.192	7.525	1.78	53.41
Campo Rd	Tree Well (Type 3), HDS	1,343	0.086	25.443	0.556	0.094	5.364	2.21	61.51
S Mission Rd (North)	Tree Well (Type 3), HDS	1,698	0.243	51.783	0.691	0.067	3.713	1.34	87.38
Ammunition Rd	Tree Well (Type 1), HDS	262	0.838	13.885	0.161	0.012	0.416	0.03	14.61
Day St	Tree Well (Type 3), HDS	673	0.034	15.437	0.273	0.045	2.541	1.14	36.77
Wintercrest Dr	Tree Well (Type 3)	554	0.026	9.595	0.224	0.040	2.319	0.97	19.47
Osborne St	Tree Well (Type 3)	20,101	32.077	410.421	1.030	0.330	3.877	3.69	20.36
S Mission Rd (W Aviation Rd)	Tree Well (Type 3)	809	0.040	13.506	0.335	0.059	3.390	1.37	27.91
Denny Way	Tree Well (Type 3)	597	0.176	8.909	0.247	0.052	2.433	0.86	14.84
S Main Ave	Tree Well (Type 1), HDS	187	0.301	9.920	0.097	0.010	0.344	0.14	12.46
Vine St (El Cajon North)	Tree Well (Type 2)	328	0.169	4.277	0.128	0.041	1.227	0.31	11.94
Channel Rd	Tree Well (Type 2)	350	0.174	5.857	0.146	0.025	1.367	0.49	10.59
Vine St (El Cajon South)	Tree Well (Type 3), HDS	232	0.023	4.766	0.104	0.015	0.886	0.34	15.42
S Santa Fe Ave	HDS	3,215	0.000	151.091	1.759	0.000	0.652	0.00	115.23
Montecito Rd	HDS	319	0.000	23.049	0.169	0.000	0.086	0.00	34.77
W Bradley Ave	HDS	349	0.000	18.127	0.215	0.000	0.076	0.00	17.15
Vernon Way	HDS	487	0.000	23.728	0.299	0.000	0.109	0.00	19.66
S Mission Rd (South)	Tree Well (Type 3)	161	0.017	2.615	0.069	0.012	0.677	0.26	10.69
Troy St	Tree Well (Type 3)	597	1.687	22.611	0.064	0.014	0.240	0.14	0.32
Airway Rd	Tree Well (Type 3)	4,802	13.706	192.161	0.422	0.109	1.218	1.20	0.12
W Fallbrook St	Tree Well (Type 3)	87	0.059	1.171	0.041	0.006	0.369	0.11	2.71
N Vine St (Fallbrook)	Tree Well (Type 3), HDS	178	0.022	4.279	0.079	0.010	0.611	0.24	7.34
16th St	HDS	165	0.000	10.433	0.099	0.000	0.034	0.00	14.91
Prospect St	HDS	152	0.000	8.850	0.103	0.000	0.036	0.00	17.63
W College St	Tree Well (Type 3)	398	0.172	5.591	0.180	0.029	1.673	0.55	10.01
Julian Ave	Tree Well (Type 3)	25	0.010	0.384	0.011	0.002	0.106	0.04	1.89
Birch St	HDS	81	0.000	4.017	0.047	0.000	0.017	0.00	4.45
Bancroft Dr	HDS	108	0.000	5.313	0.062	0.000	0.021	0.00	5.68
8th St	HDS	102	0.000	6.304	0.061	0.000	0.020	0.00	8.59

