



Appendix A Section 1.2 – Watershed Control Measures Completed

Order R4-2021-0105 NPDES Permit No. CAS004004 - Appendix H, Section 1.2 Watershed Control Measures requires the completion of Table 1a for watershed control measures completed from December 28, 2012, to the end of this reporting period. Section 1.2a provides a list of additional information to be provided for each watershed control measure. Appendix A of this Semi-Annual Report includes this information in 2 parts to address these requirements. The tables are titled as follows:

- Section 1.2 - Table 1a (Part 1): Watershed Control Measures Completed
- Section 1.2 - Table 1a (Part 2): Additional Information

Section 1.2 - Table 1a-part 1: Watershed Control Measures Completed

Project Name	Previous Project Name(s) if Changed	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Actual Completion Date	Capital Costs [\$]	Cumulative O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Actual Storage Capacity [Acre-feet]	Cumulative Volume Addressed [Acre-feet]
Baldwin Avenue Rain Garden	Not Applicable	Culver City	Ballona Creek	LID Retrofit, Biofiltration	Rain Garden	34.015569	-118.394123	Not Applicable	10/30/2018	\$50,000.00	\$41,220.00	Other Municipal Program	0.02 ac	5.60 ac	0.04 ac-ft	0.04 ac-ft	7.20 ac-ft
Ballona Creek Rain Gardens	Not Applicable	Culver City	Ballona Creek	LID Retrofit, Biofiltration	Rain gardens	34.006553	-118.398496	Not Applicable	12/28/2012	\$342,426.45	\$86,220.00	Other State Program	0.03 ac	1.55 ac	Not Applicable	0.0028 ac-ft	8.50 ac-ft
Burton Way Median Green Streets and Water Efficient Landscape	Not Applicable	Beverly Hills	Ballona Creek	Green Street, Bioretention	This project replaces the grass on the Burton Way median with contemporary sculptures, native plants and technologies to clean and preserve rainwater. The project will reduce the amount of water and contaminants that flow from Beverly Hills into the sea by saving and treating water through a combination of storm drains and bioswales, leading to an approximately 1-million-gallon reservoir. The storm drains pump stormwater runoff from the street up to the surface of the median, where it then flows into two 15-foot-wide bioswales. The bioswales remove metals, bacteria and organic materials from the water, which is then diverted into the reservoir until it is used to irrigate the median.	34.072206	-118.39158	Not Applicable	3/31/2024	\$12,000,000.00	\$113,588.00	Safe, Clean Water, Municipal General Fund, IRWM Funding (DWR)	1.60 ac	211.00 ac	7.60 ac-ft	7.6000 ac-ft	8.82 ac-ft
Catch Basin Cleaning	Not Applicable	Beverly Hills	Not Applicable	Other	Annual cleaning of catchbasins as determined by inspection	Not Applicable	Not Applicable	Not Applicable	12/31/2021	\$427,000.00	Not Applicable	Municipal General Fund, Stormwater Fee	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
Culver Blvd Filtration and Realignment (Beverly Hills)	Culver Boulevard Median	Beverly Hills, Culver City	Ballona Creek	Regional Treatment Facility	Beverly Hill's portion of a joint Regional BMP project. This facility consists of an 8-AF subsurface storage reservoir and dual filtration units that will treat a combined 19.51 acre-feet of stormwater in a 24-period from a 796 acre drainage area and filter stormwater runoff. Some of the captured urban run-off will be stored and used to irrigate the local landscaping proposed along the raised median through sub-surface drip lines. The subsurface reservoir will be constructed under the raised landscaped median. The median serves as a bikeway and pedestrian pathway between Culver Boulevard and little Culver Boulevard. Additionally, surface Best Management Practices (BMPs) such as bio-swales will be included in the landscape design to address surface run-off from Culver Boulevard.	34.00755	-118.40748	Not Applicable	3/31/2022	\$3,500,000.00	\$0.00	Safe, Clean Water, Other Municipal Program	0.18 ac	179.52 ac	8.00 ac-ft	1.80 ac-ft	104.44 ac-ft
Culver Blvd Filtration and Realignment (Culver City; lead)	Culver Boulevard Median	Culver City, Beverly Hills	Ballona Creek	Regional Treatment Facility	Culver City's portion of a joint Regional BMP project. This facility consists of an 8-AF subsurface storage reservoir and dual filtration units that will treat a combined 19.51 acre-feet of stormwater in a 24-period from a 796 acre drainage area and filter stormwater runoff. Some of the captured urban run-off will be stored and used to irrigate the local landscaping proposed along the raised median through sub-surface drip lines. The subsurface reservoir will be constructed under the raised landscaped median. The median serves as a bikeway and pedestrian pathway between Culver Boulevard and little Culver Boulevard. Additionally, surface Best Management Practices (BMPs) such as bio-swales will be included in the landscape design to address surface run-off from Culver Boulevard.	34.00755	-118.40748	Not Applicable	3/31/2022	\$12,057,593.00	\$550,730.00	Stormwater Fee, CalTrans, CA State Proposition 84, Other Municipal Program	0.62 ac	616.48 ac	8.00 ac-ft	6.20 ac-ft	347.27 ac-ft
Diversion Sewer Project to Abandon Mesmer and Overland Sewer Pump Stations (Unincorporated LA County)	Not Applicable	Unincorporated LA County, Culver City, Inglewood, Los Angeles	Centinela Creek	Diversion to Sanitary Sewer	The Mesmer low flow diversion system (LFD) can divert up to 1 Million Gallon Per Minute (GPM) of dry weather run-off from Centinela Creek into the Mesmer Pump Station.	33.986889	-118.401552	Not Applicable	2/1/2024	\$646,716.00	\$0.00	Safe, Clean Water, CalTrans, CA State Proposition 1	0.18 ac	1,802.52 ac	Not Applicable	0.0031 ac-ft	10.97 ac-ft
Diversion Sewer Project to Abandon Mesmer and Overland Sewer Pump Stations (Culver City; lead)	Not Applicable	Culver City, Inglewood, Unincorporated LA County, Los Angeles	Centinela Creek	Diversion to Sanitary Sewer	The Mesmer low flow diversion system (LFD) can divert up to 1 Million Gallon Per Minute (GPM) of dry weather run-off from Centinela Creek into the Mesmer Pump Station.	33.986889	-118.401552	Not Applicable	2/1/2024	\$1,700,000.00	\$0.00	Safe, Clean Water, CalTrans, CA State Proposition 1	0.09 ac	834.14 ac	Not Applicable	0.0014 ac-ft	5.08 ac-ft
Diversion Sewer Project to Abandon Mesmer and Overland Sewer Pump Stations (Inglewood)	Not Applicable	Inglewood, Culver City, Unincorporated LA County, Los Angeles	Centinela Creek	Diversion to Sanitary Sewer	The Mesmer low flow diversion system (LFD) can divert up to 1 Million Gallon Per Minute (GPM) of dry weather run-off from Centinela Creek into the Mesmer Pump Station.	33.986889	-118.401552	Not Applicable	2/1/2024	\$1,700,000.00	\$0.00	Safe, Clean Water, CA State Proposition 1	0.16 ac	1,555.73 ac	Not Applicable	0.0027 ac-ft	9.47 ac-ft
Diversion Sewer Project to Abandon Mesmer and Overland Sewer Pump Stations (Los Angeles)	Not Applicable	Los Angeles, Culver City, Inglewood, Unincorporated LA County	Centinela Creek	Diversion to Sanitary Sewer	The Mesmer low flow diversion system (LFD) can divert up to 1 Million Gallon Per Minute (GPM) of dry weather run-off from Centinela Creek into the Mesmer Pump Station.	33.986889	-118.401552	Not Applicable	2/1/2024	\$598,991.00	\$28,480.00	Safe, Clean Water, CA State Proposition 1	0.17 ac	1,669.45 ac	0.87 ac-ft	0.003 ac-ft	1.01 ac-ft
Green Alley Master Plan (GAMP)	Not Applicable	Unincorporated LA County	Not Applicable	Other	The County's GAMP includes feasibility investigations, site specific evaluations, and geotechnical testing to identify opportunities for green alley projects throughout the unincorporated County areas. The GAMP identifies over 140 alley segments conducive to green infrastructure retrofit that will guide the County's green alley implementation efforts to comply with the MS4 permit.	Not Applicable	Not Applicable	Not Applicable	6/30/2021	\$510,519.53	Not Applicable	Municipal General Fund	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
Green Street Standard Plans and Design Guidelines (GSSP&DG)	Not Applicable	Unincorporated LA County	Not Applicable	Other	The GSSP&DG include standard plans and design guidelines for bioretention planters, curb extensions, basin as well as subsurface infiltration BMPs such as tree wells, drywells, and infiltration galleries. The GSSP&DG will help the region standardize green infrastructure practices to reduce construction and maintenance costs.	Not Applicable	Not Applicable	Not Applicable	5/11/2021	\$504,539.53	Not Applicable	Municipal General Fund	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft

Section 1.2 - Table 1a-part 1: Watershed Control Measures Completed

Project Name	Previous Project Name(s) if Changed	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Actual Completion Date	Capital Costs [\$]	Cumulative O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Actual Storage Capacity [Acre-feet]	Cumulative Volume Addressed [Acre-feet]
Green Streets Master Plan (GSMP)	Not Applicable	Unincorporated LA County	Not Applicable	Other	The County’s GSMP includes feasibility investigations, site specific evaluations, and geotechnical testing to identify opportunities for green street projects throughout the unincorporated County areas. The GSMP identifies over 100 sites conducive to green infrastructure retrofit that will guide the County's green street implementation efforts to comply with the MS4 permit.	Not Applicable	Not Applicable	Not Applicable	1/31/2022	\$2,835,132.53	Not Applicable	Municipal General Fund	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
Kittyhawk Green Walkway	Not Applicable	Los Angeles	Centinela Creek	Green Street, Bioretention	The project works to divert stormwater into a series of drywells. The catch basins along with pretreatment wells screen out larger debris before water enters secondary drywells for infiltration	33.960624	-118.386153	Not Applicable	5/27/2020	\$988,370.00	\$68,098.00	Other Municipal Program	1.00 ac	18.00 ac	0.02 ac-ft	0.02 ac-ft	33.56 ac-ft
La Ballona Safe Routes to School - Green Infrastructure (Washington Blvd/Huron Ave)	Not Applicable	Culver City	Ballona Creek	Green Street, Biofiltration	Green Street Project	34.011176	-118.410997	Not Applicable	1/31/2021	\$100,000.00	\$0.00	Other State Program	0.01 ac	5.88 ac	Not Applicable	0.0005 ac-ft	1.10 ac-ft
La Ballona Safe Routes to School - Green Infrastructure (Washington Blvd/Prospect Ave)	Not Applicable	Culver City	Ballona Creek	Green Street, Biofiltration	Green Street Project	34.01233	-118.410386	Not Applicable	1/31/2021	\$100,000.00	\$0.00	Other State Program	0.01 ac	3.88 ac	Not Applicable	0.0005 ac-ft	0.97 ac-ft
La Brea Avenue Streetscape Project	Not Applicable	West Hollywood	Ballona Creek	LID Retrofit, Bioretention	Infiltration planters (30)	34.090704	-118.343978	Not Applicable	3/1/2014	\$1,400,000.00	\$50,520.00	Not Applicable	0.10 ac	0.13 ac	Not Applicable	0.07 ac-ft	1.01 ac-ft
Ladera Park Stormwater Improvements Project	Not Applicable	Unincorporated LA County	Centinela Creek	Infiltration Well	The Project will capture and infiltrate urban stormwater runoff from the unincorporated area of Ladera Heights. The Project will include a water treatment system to use stormwater runoff to irrigate a portion of the park. In addition, the Project will also include a demonstration garden that will include above ground landscaping, low-impact-development features, and educational signage	33.988053	-118.359859	7/15/2026	2/22/2023	\$10,240,000.00	\$311,226.00	Safe, Clean Water, Municipal General Fund, Other State Program	0.30 ac	110.00 ac	5.10 ac-ft	5.10 ac-ft	46.65 ac-ft
Lindblade Rain Garden	Not Applicable	Culver City	Ballona Creek	LID Retrofit, Biofiltration	Infiltration gallery/garden using roof runoff from adjacent property	34.003982	-118.408158	12/31/2027	10/28/2015	\$11,000.00	\$64,990.00	Not Applicable	0.01 ac	0.14 ac	Not Applicable	0.0010 ac-ft	0.97 ac-ft
Mar Vista Recreation Center Stormwater Capture	Mar Vista Recreation Center Stormwater BMP	Los Angeles	Sepulveda Channel	Regional Treatment Facility	This project involves construction in two phases to clean urban runoff in an existing 78-inch storm drain in Sawtelle Blvd. and to use the water for irrigation in Mar Vista Park. Phase I facilities include: 1) storm drain diversion structure; 2) trash maintenance hole; 3) stormwater lift station; 4) hydrodynamic separator; 5) 270,000-gallon underground detention tank; 6) disinfection facility; 7) overflow/return piping; and 8) pump and control systems. Phase II facilities feature an irrigation system to beneficially use the treated water at the park.	34.017705	-118.427813	Not Applicable	12/11/2017	\$4,556,186.00	\$964,103.00	Other Federal Program, Other Municipal Program	15.00 ac	244.00 ac	0.80 ac-ft	50.00 ac-ft	291.25 ac-ft
Melrose Avenue Streetscape Project - CIP 2104	Not Applicable	West Hollywood	Ballona Creek	LID Retrofit, Bioretention	Permeable Pavers (38)	34.082609	-118.374957	Not Applicable	9/30/2023	\$72,746,262.50	\$0.00	Not Applicable	0.08 ac	0.08 ac	Not Applicable	0.04 ac-ft	0.02 ac-ft
Multi-Jurisdictional Hazard Mitigation Program (MJHMP) Amendment	Not Applicable	Culver City	Not Applicable	Other	Long term planning tool to identify areas in the City to reduce urban street flooding and other identified hazards	Not Applicable	Not Applicable	Not Applicable	1/30/2022	\$260,000.00	Not Applicable	Other Federal Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
N La Brea Ave Improvements	Not Applicable	Inglewood	Centinela Creek	Green Street, Bioretention	(43) Bioretention	33.974576	-118.357644	Not Applicable	1/1/2020	\$1,000,000.00	\$47,000.00	Not Applicable	0.11 ac	10.00 ac	Not Applicable	0.05 ac-ft	3.24 ac-ft
Public Works Building Rain Gardens	Not Applicable	Culver City	Ballona Creek	Green Street, Bioretention	Green Street Project	34.01777	-118.387567	Not Applicable	3/24/2014	\$334,000.00	\$76,130.00	Not Applicable	0.07 ac	0.86 ac	Not Applicable	0.01 ac-ft	6.01 ac-ft
Santa Monica Green Streets	Not Applicable	Beverly Hills, Beverly Hills	Ballona Creek	Green Street, Bioretention	The Santa Monica Green Streets Project is a 11-block bioswale system is designed to capture and treat a cumulative 1 acre-ft of runoff from Santa Monica Boulevard and alleys from arterial streets. The bioswales begin at Santa Monica Boulevard and Wilshire and ends at Santa Monica and Doheny Rd.	34.073754	-118.400624	Not Applicable	12/1/2018	\$570,000.00	\$400,000.00	Municipal General Fund	12.40 ac	12.86 ac	1.00 ac-ft	1.03 ac-ft	64.91 ac-ft
Slauson Green Alley	Not Applicable	Los Angeles	Sepulveda Channel	Green Street, Biofiltration	This project consists of a newly constructed alleyway with permeable pavers and a catch basin to route stormwater. The project helps drainage in the area and helps convey water downstream to an existing storm drain.	33.998663	-118.414095	Not Applicable	5/27/2020	\$687,000.00	\$47,336.00	Other Municipal Program	1.00 ac	1.60 ac	2.20 ac-ft	0.00 ac-ft	0.00 ac-ft
Stormwater Compliance Master Plan	Not Applicable	Beverly Hills	Not Applicable	Other	City enhanced watershed master plan	Not Applicable	Not Applicable	Not Applicable	3/11/2019	\$176,940.00	Not Applicable	Municipal General Fund	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
Stormwater Quality Master Plan	Not Applicable	Culver City	Not Applicable	Other	Long term planning tool to identify areas in the City to identify and prioritize high-efficiency green and grey infrastructure retrofit candidate project sites	Not Applicable	Not Applicable	Not Applicable	8/12/2021	\$502,793.24	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
Sunset Spectacular	Not Applicable	West Hollywood	Ballona Creek	LID Retrofit, Biofiltration	Biofiltration Planter (1)	34.091485	-118.382491	Not Applicable	5/11/2022	\$0.00	\$5,395.33	Not Applicable	0.01 ac	0.18 ac	Not Applicable	0.01 ac-ft	0.21 ac-ft
Transfer Station Rain Gardens	Not Applicable	Culver City	Ballona Creek	Green Street, Bioretention	Green Street Project	34.020038	-118.38474	Not Applicable	9/1/2018	\$200,000.00	\$42,300.00	Not Applicable	0.45 ac	0.48 ac	Not Applicable	0.08 ac-ft	2.88 ac-ft
Transfer Station Sewer Diversion	Not Applicable	Culver City	Ballona Creek	Diversion to Sanitary Sewer	Diversion of runoff on Transfer Station Property to sewer	34.020038	-118.38474	Not Applicable	3/1/2018	\$1,500,000.00	\$15,250.00	Other Non-profit Organization	0.03 ac	0.85 ac	Not Applicable	0.10 ac-ft	5.02 ac-ft
Trash TMDL Compliance	Not Applicable	Beverly Hills	Not Applicable	Other	Full Capture Device/Partial Capture Device installation in City and County operated catch basins within the city limits	Not Applicable	Not Applicable	Not Applicable	3/31/2020	\$935,000.00	Not Applicable	Municipal General Fund, Stormwater Fee	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft

Section 1.2 - Table 1a-part 1: Watershed Control Measures Completed

Project Name	Previous Project Name(s) if Changed	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Actual Completion Date	Capital Costs [\$]	Cumulative O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Actual Storage Capacity [Acre-feet]	Cumulative Volume Addressed [Acre-feet]
University Park Rain Gardens	Not Applicable	Los Angeles	Ballona Creek	Green Street, Biofiltration	The project, located in CD 9, installed 35 rain gardens to capture rainwater from the streets in the University Park neighborhood surrounding west of USC. The project sites are located in severely disadvantaged community. The rainwater capture is from a total of 121-acre watershed area. An average of 7.8 million gallons per year (or 24 ac-ft/yr) is captured and infiltrated into the ground. The rain gardens include bioretention planters, curb cuts, and planting of drought tolerant vegetation to capture, infiltrate, and biofiltrate stormwater runoff. The project assists the City to meet water quality standards enacted by the Regional Water Quality Control Board for the Ballona Creek. The rain gardens remove pollutants such as trash, bacteria, metals, and nutrients. The project was completed in May 2017.	34.018264	-118.291562	Not Applicable	6/14/2016	\$600,000.00	\$76,919.00	CA State Proposition 84	1.00 ac	121.00 ac	12.19 ac-ft	0.19 ac-ft	302.60 ac-ft
Vermont Avenue Stormwater Capture and Green Street Phase 1	Not Applicable	Los Angeles	Ballona Creek	Green Street, Biofiltration	This project constructed a biofiltration basin at the intersection of Vermont Ave and Cage Blvd. The project collects and treats runoff from a 4.7-acre drainage area.	33.982085	-118.291473	Not Applicable	7/26/2019	\$950,952.00	\$80,836.00	City of LA Proposition O, Other State Program	0.05 ac	4.70 ac	0.58 ac-ft	0.20 ac-ft	11.60 ac-ft
Waste Reduction Regulations	Polystyrene Ban Amendment	Culver City	Not Applicable	Other	Culver City amended title 5, Pulbic Works, to add a new chapter 5.07 entitled "Waste Reduction Regulations" and repealed Chapter 11.18, Polystyrene Regulations, of the Culver City Municipal Code.	Not Applicable	Not Applicable	Not Applicable	1/1/2018	\$25,000.00	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.00 ac-ft
West Hollywood Park Phase 2	Not Applicable	West Hollywood	Ballona Creek	LID Retrofit, Biofiltration	Biofiltration (10), Detention (2)	34.081534	-118.385242	Not Applicable	6/7/2022	\$600,000.00	\$12,800.26	Not Applicable	0.02 ac	11.78 ac	Not Applicable	0.68 ac-ft	12.86 ac-ft
Westwood Neighborhood Greenway	Not Applicable	Los Angeles, Santa Monica	Sepulveda Channel	Green Street, Biofiltration	The project diverts low flow and part of the wet weather flow from the adjacent City storm drain to a simulated stream that serves as a vegetated swale BMP. The project targets pollutants such as heavy metals and bacteria to assist Ballona Creek and Santa Monica Bay comply with their TMDLs.	34.036729	-118.425021	Not Applicable	3/20/2021	\$3,237,970.00	\$395,346.00	City of LA Proposition O, CA State Proposition 84	2.00 ac	2,400.00 ac	0.53 ac-ft	60.00 ac-ft	1,960.82 ac-ft
Summary of New and Redevelopment Projects	Not Applicable	Beverly Hills	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the City of Beverly Hills' new and redevelopment projects. The values shown here were developed by summing the respective values of 30 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	12.73 ac	12.71 ac	Not Applicable	0.89 ac	48.39 ac
Summary of New and Redevelopment Projects	Not Applicable	Culver City	Ballona Creek, Centinela Creek	New and Redevelopment	This line item is intended to provide a summary of the Culver City's new and redevelopment projects. The values shown here were developed by summing the respective values of 30 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	67.13 ac	61.45 ac	Not Applicable	5.33 ac	257.13 ac
Summary of New and Redevelopment Projects	Not Applicable	Inglewood	Ballona Creek, Centinela Creek	New and Redevelopment	This line item is intended to provide a summary of the City of Inglewood's new and redevelopment projects. The values shown here were developed by summing the respective values of 10 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	5.29 ac	14.98 ac	Not Applicable	1.40 ac	58.77 ac
Summary of New and Redevelopment Projects	Not Applicable	Los Angeles	Ballona Creek, Centinela Creek, Sepulveda Channel	New and Redevelopment	This line item is intended to provide a summary of the City Los Angeles' new and redevelopment projects. The values shown here were developed by summing the respective values of 7396 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	896.69 ac	896.69 ac	Not Applicable	60.60 ac	352.37 ac
Summary of New and Redevelopment Projects	Not Applicable	Santa Monica	Sepulveda Channel	New and Redevelopment	This line item is intended to provide a summary of the City of Santa Monica's new and redevelopment projects. The values shown here were developed by summing the respective values of 250 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	10.54 ac	44.56 ac	Not Applicable	28.78 ac	178.58 ac
Summary of New and Redevelopment Projects	Not Applicable	Unincorporated LA County	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the Unincorporated LA County's new and redevelopment projects. The values shown here were developed by summing the respective values of 6 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	5.95 ac	4.94 ac	Not Applicable	0.35 ac	6.61 ac
Summary of New and Redevelopment Projects	Not Applicable	West Hollywood	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the City of West Hollywood's new and redevelopment projects. The values shown here were developed by summing the respective values of 127 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	1.58 ac	67.11 ac	Not Applicable	4.58 ac	201.66 ac

Note: Project information contained in this table was compiled based on information provided by the Permittee(s) involved in each project. The Permittee leading each project is identified as the first Permittee listed in the "Permittee(s)" column.

Section 1.2 - Table 1a-part 2: Additional Information

Project Name	Permittee(s) Collaborated with	Non-Permittee(s) Collaborated with	Funding Sought [\$]	Funding Obtained [\$]	Technical Assistance Received	Provides Clean Streets Benefit (e.g., street sweeping, litter abatement, etc.) ? [Yes/No]	Provides More Parks and Green Spaces Benefit? [Yes/No]	Provides Reduced Heat Island Effect Benefit? [Yes/No]	Provides Reduced Flooding Benefit? [Yes/No]	Provides Water Supply Augmentation Benefit? [Yes/No]	Provides Neighborhood Beautification Benefit? [Yes/No]	Provides Job Creation Benefit? [Yes/No]	Provides Benefits Accruing to Disadvantaged Communities? (as identified on CalEnviroScreen)
Baldwin Avenue Rain Garden	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Ballona Creek Rain Gardens	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Burton Way Median Green Streets and Water Efficient Landscape	Not Applicable	None	\$ 12,000,000.00	\$ 12,000,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	No	Yes	Yes	No	No
Catch Basin Cleaning	Not Applicable	Not Applicable	\$ 427,000.00	\$ 427,000.00	Other (non-Safe, Clean Water)	Yes	No	No	Yes	No	No	Yes	No
Culver Blvd Filtration and Realignment (Beverly Hills)	Culver City	Not Applicable	\$ 3,500,000.00	\$ 3,500,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Culver Blvd Filtration and Realignment (Culver City; lead)	Beverly Hills	CalTrans	\$ 12,000,000.00	\$ 12,300,916.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Diversion Sewer Project to Abandon Mesmer and Overland Sewer Pump Stations (Unincorporated LA County)	Culver City, Inglewood, Los Angeles	Not Applicable	\$ 549,763.00	\$ 549,763.00	Other (non-Safe, Clean Water)	No	No	No	Yes	Yes	No	Yes	Yes
Diversion Sewer Project to Abondon Mesmer and Overland Sewer Pump Stations (Culver City; lead)	Inglewood, Unincorporated LA County, Los Angeles	CalTrans	\$ 1,600,000.00	\$ 1,787,847.00	Other (non-Safe, Clean Water)	No	No	No	Yes	Yes	No	Yes	Yes
Diversion Sewer Project to Abondon Mesmer and Overland Sewer Pump Stations (Inglewood)	Culver City, Unincorporated LA County, Los Angeles	Not Applicable	\$ 1,600,000.00	\$ 1,787,847.00	Other (non-Safe, Clean Water)	No	No	No	Yes	Yes	No	Yes	Yes
Diversion Sewer Project to Abondon Mesmer and Overland Sewer Pump Stations (Los Angeles)	Culver City, Inglewood, Unincorporated LA County	N/A	\$ 509,179.00	\$ 509,179.00	Other (non-Safe, Clean Water)	No	No	No	Yes	Yes	No	Yes	Yes
Green Alley Master Plan (GAMP)	Not Applicable	Not Applicable	\$ 510,519.53	\$ 510,519.53	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	Yes	No
Green Street Standard Plans and Design Guidelines (GSSP&DG)	Not Applicable	Not Applicable	\$ 504,539.53	\$ 504,539.53	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	No	No
Green Streets Master Plan (GSMP)	Not Applicable	Not Applicable	\$ 2,835,132.53	\$ 2,835,132.53	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Kittyhawk Green Walkway	Not Applicable	N/A	\$ 988,370.00	\$ 988,370.00	Other (non-Safe, Clean Water)	No	No	No	No	Yes	No	No	No
La Ballona Safe Routes to School - Green Infrastructure (Washington Blvd/Huron Ave)	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
La Ballona Safe Routes to School - Green Infrastructure (Washington Blvd/Prospect Ave)	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
La Brea Avenue Streetscape Project	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	Yes	Yes	Yes	No	Yes	Yes	No
Ladera Park Stormwater Improvements Project	Not Applicable	Not Applicable	\$ 19,021,000.00	\$ 10,240,000.00	Other (non-Safe, Clean Water)	No	No	Yes	Yes	Yes	Yes	Yes	No
Lindblade Rain Garden	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Mar Vista Recreation Center Stormwater Capture	Not Applicable	Amer Recov&Reinvest Act (ARRA), Prop 50- SMBRP	\$ 4,556,186.00	\$ 4,556,186.00	Other (non-Safe, Clean Water)	No	No	No	Yes	No	No	No	No
Melrose Avenue Streetscape Project - CIP 2104	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	Yes	Yes	Yes	No	Yes	Yes	No
Multi-Jurisdictional Hazard Mitigation Program (MJHMP) Amendment	Not Applicable	Not Applicable	\$ 260,000.00	\$ 196,200.00	Other (non-Safe, Clean Water)	No	No	No	No	No	No	Yes	Yes
N La Brea Ave Improvements	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Public Works Building Rain Gardens	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Santa Monica Green Streets	Beverly Hills	None	\$ 570,000.00	\$ 570,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	No	No	Yes	No
Slauson Green Alley	Not Applicable	N/A	\$ 687,000.00	\$ 687,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	No	No
Stormwater Compliance Master Plan	Not Applicable	Not Applicable	\$ 176,940.00	\$ 176,940.00	Other (non-Safe, Clean Water)	Yes	No	No	No	No	Yes	Yes	No
Stormwater Quality Master Plan	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	No	No	No	Yes	Yes	Yes	Yes	Yes
Sunset Spectacular	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Transfer Station Rain Gardens	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	No
Transfer Station Sewer Diversion	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	No	Yes	No
Trash TMDL Compliance	Not Applicable	Not Applicable	\$ 935,000.00	\$ 935,000.00	Other (non-Safe, Clean Water)	Yes	No	No	Yes	No	No	Yes	No
University Park Rain Gardens	Not Applicable	SWRCB	\$ 600,000.00	\$ 600,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Vermont Avenue Stormwater Capture and Green Street Phase 1	Not Applicable	SWRCB	\$ 950,952.00	\$ 950,952.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	No	Yes	No	Yes
Waste Reduction Regulations	Not Applicable	Not Applicable	\$ -	\$ -	Other (non-Safe, Clean Water)	Yes	No	No	No	No	Yes	Yes	Yes
West Hollywood Park Phase 2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	Yes	Yes	Yes	No	Yes	Yes	No
Westwood Neighborhood Greenway	Santa Monica	Prop O, State Prop 84	\$ 5,460,000.00	\$ 5,460,000.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	No	Yes	Yes	No

Note: Project information contained in this table was compiled based on information provided by the Permittee(s) involved in each project. The Permittee leading each project is identified as the first Permittee listed in the "Permittee(s)" column.



Appendix B Section 1.3 – Watershed Control Measures Planned and In Progress

Order R4-2021-0105 NPDES Permit No. CAS004004 - Appendix H, Section 1.3 Watershed Control Measures Planned and In Progress requires the completion of Table 1b for watershed control measures planned and in progress completed from December 28, 2012, to the end of this reporting period. Section 1.3a provides a list of additional information to be provided for each watershed control measure planned and in progress. Appendix B of this Semi-Annual Report includes this information in 2 parts to address these requirements. The tables are titled as follows:

- Section 1.3 - Table 1b (Part 1): Watershed Control Measures Planned and In Progress
- Section 1.3 - Table 1b (Part 2): Additional Information

Section 1.3 - Table 1b-part 1: Watershed Control Measures Planned and In Progress

Project Name	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Estimated Completion Date	Estimated Capital Costs [\$]	Estimated Annual O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Status
Angeles Mesa Green Infrastructure Corridor Project	Los Angeles	Ballona Creek	Green Street, Biofiltration	Project Type: Green Infrastructure Corridor The Project aims to improve water quality, mitigate floods and restore habitat within the Mesa Heights neighborhood and the Ballona Creek Watershed. Several blocks of green streets through the Mesa Heights neighborhood will improve air quality and provide aesthetically appealing green spaces for residents to enjoy year-round.The potential drainage area for the Project is 162 acres and is anticipated to capture and infiltrate 67 acre-feet (AF) per year of stormwater as well as 79 AF per year of dry weather flows. The parkway bioswales, trees, and other green street elements will slow water and allow it to infiltrate the underground aquifer. A total of 30 drywells are planned for the Project in the City of Los Angeles’ drainage area.	33.99501963	-118.330615	Not Applicable	12/31/2028	\$17,721,295.00	\$100,000.00	Safe, Clean Water	0.36 ac	162.00 ac	8.20 ac-ft	Funding
Ballona Creek TMDL Project	Los Angeles, Culver City, Inglewood, Beverly Hills, West Hollywood, Unincorporated LA County, Los Angeles, Los Angeles County Flood Control District	Ballona Creek	Regional Treatment Facility	Project Type:Time Schedule Order The Project is a watershed-wide water quality improvement project designed to treat-and-release runoff during dry weather conditions in the Ballona Creek Watershed. This collaborative project is being completed by five cities in the Ballona Creek watershed along with the County of Los Angeles and Los Angeles County Flood Control District and has been developed to meet the following main objectives: (1) Regulatory water quality compliance: Meet the dry weather requirements of the TMDL for bacteria in Ballona Creek, Ballona Estuary and Sepulveda Channel, as specified in the Water Quality Control Plan for the Los Angeles Region as adopted by the Los Angeles Regional Water Quality Control Board (LARWQCB). (2) Water contact recreation: Protect public health in the downstream Ballona Estuary and Santa Monica Bay. (3) Ecosystem enhancement: Protect the beneficial uses of Ballona Estuary and Santa Monica Bay.	34.01109486	-118.3908479	Not Applicable	02/28/2026	\$90,682,000.00	\$1,159,000.00	Safe, Clean Water, Municipal General Fund, City of LA Proposition O	1.10 ac	65,501.60 ac	95.40 ac-ft	Construction
Business Outreach Program	Los Angeles	Not Applicable	Outreach and Conservation Program	Development of outreach materials with business-related best management practices messaging for the Watershed Protection Program’s business inspection program.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Other
Citywide Bioretention Project	Culver City	Ballona Creek	Green Street, Bioretention	The bioretention facilities will capture dry-weather (and first flush) runoff, which will be used to irrigate native plants and excess runoff will infiltrate into the ground. By capturing this runoff before it enters the storm drain infrastructure that flows to Ballona Creek, pollutants such as metals, bacteria, and trash will be filtered and retained, therefore, not flowing into the Creek.	34.014004	-118.39313	Not Applicable	Not Applicable	\$500,000.00	\$50,000.00	Other State Program, Other Municipal Program	0.23	0.85 ac	Not Applicable	Design
Community Events / Booth in a Box Program	Los Angeles	Not Applicable	Outreach and Conservation Program	The Booth In A Box Program makes stormwater pollution prevention public education materials available for distribution to community members for distribution at community events/meetings. During this reporting period, program staff staffed a table and participated at nine community events and made outreach materials available for distribution at 10 community events through the Booth in a Box Program.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Edward Vincent Junior Park Stormwater Improvements Project	Inglewood	Centinela Creek	Regional Infiltration Gallery	Subsurface infiltration system; Bioretention	33.973578	-118.343133	Not Applicable	Not Applicable	Not Applicable	\$819,920.00	Not Applicable	3.59	895.00 ac	Not Applicable	Design
Enhanced Catch Basin Cleaning	Culver City	Not Applicable	Other	Enhanced cleaning of Full Capture Device/Partial Capture Device installed in City and County operated catch basins within the city limits	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Enhanced Street sweeping	West Hollywood	Not Applicable	Enhanced Street Sweeping	The City implements a frequency of sweeping is higher than that required by the Municipal NPDES Permit. The City is swept weekly.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Implementation
Holloway	West Hollywood	Ballona Creek	LID Retrofit, Biofiltration	Permavoid Biofiltration Planters (2)	34.09058294	-118.3764579	Not Applicable	06/30/2025	\$2,466,076.44	\$5,000.00	Not Applicable	0.00275482	0.09 ac	Not Applicable	Construction
Industrial & Commercial Facilities Program	Santa Monica	Not Applicable	Source Investigation Efforts	Management and inspections of facilities	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Implementation
La Cienega Blvd Green Infrastructure Corridor	Los Angeles	Centinela Creek	Green Street, Biofiltration	This Project will install infrastructure along La Cienega Boulevard to improve stormwater management and infiltration, and increase street beautification. The Project area is a 0.45-mile stretch of La Cienega Boulevard in the Ladera Heights neighborhood of the City Los Angeles (City). The area is adjacent to both the City of Inglewood and unincorporated Los Angeles County and located in Council District 11 (CD11). The proposed Project will install several types of stormwater capture and permeability-promoting features including drywells, swales, median planters, and permeable pavers. A community organization has expressed an interest in adopting the street’s median, and has already brought the project idea to the local City CD11 representative.	33.97577875	-118.3702435	Not Applicable	07/02/2026	\$4,110,330.00	\$45,000.00	Safe, Clean Water	0.15	33.51 ac	1.3	Design
La Cienega Park and Frank Fenton Field Stormwater Project	Beverly Hills, Beverly Hills, West Hollywood, Los Angeles	Ballona Creek	Regional Treatment Facility, Diversion to Sanitary Sewer	Placement of diversion structure to direct 21 AF of wet weather flow from the 85th percentile, 24-hour stormwater event to 6.8 MG subsurface detention system below ballfield 1 with pumping system discharging detained storm flows and diverted dry weather flows to sanitary sewer.	34.061051	-118.375331	12/31/2022	Not Applicable	\$24,000,000.00	\$125,000.00	Municipal General Fund	6.80 ac	461.00 ac	24.00 ac-ft	Pre-Planning
Ladera Heights - W Centinela Ave Green Improvement Project	Unincorporated LA County	Centinela Creek	Infiltration Well	The Project will divert urban and stormwater runoff into underground infiltration wells along West Centinela frontage road. Additional BMPs include bioretention, permeable pavement, pretreatment units, and biofiltration systems.	33.977066	-118.378136	Not Applicable	07/15/2027	\$27,700,000.00	\$1,148,000.00	Safe, Clean Water, Municipal General Fund	0.08 ac	357.00 ac	Not Applicable	Planning
MacArthur Lake Stormwater Capture Project	Los Angeles	Ballona Creek	Regional Treatment Facility	Project Type: Regional Project The Project would divert stormwater and dry weather flows from the existing underground storm drain system, treat the water, and discharge it into MacArthur Lake for storage or return it to the storm drain system. This process would reduce the amount of stormwater and associated pollutant loads that directly enter Ballona Creek, the Ballona Creek wetlands, and, ultimately, Santa Monica Bay. The diversion of stormwater from the storm drain system into the lake would decrease the amount of potable water that is used to maintain the lake level (i.e., lake refill). Additionally, the proposed project would enhance the park by adding a water feature and providing educational opportunities, such as signage and information boards about stormwater management.	34.05824611	-118.2778599	11/01/2026	12/31/2027	\$36,243,525.00	\$409,000.00	Safe, Clean Water	8.00 ac	200.00 ac	8.00 ac-ft	Design
Maintenance Program For Nonadvertising Bus Stop Amenities - South County	Unincorporated LA County	Not Applicable	Other	Trash receptacle maintenance and trash collections	Not Applicable	Not Applicable	Not Applicable	Not Applicable	\$294,585.00	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Other

Section 1.3 - Table 1b-part 1: Watershed Control Measures Planned and In Progress

Project Name	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Estimated Completion Date	Estimated Capital Costs [\$]	Estimated Annual O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Status
Mass Media Advertising/Media Relations	Los Angeles	Not Applicable	Outreach and Conservation Program	During this reporting period, the program implemented a series of digital advertising campaigns targeting the following pollutants of concern: bacteria (dog waste), litter, pesticides, paint and cigarette butts. All of the advertising campaigns were bilingual (English/Spanish) and implemented on Facebook and Instagram. Here are the metrics on each of the campaigns: (1) Bacteria (dog waste) - The program implemented two online advertising campaigns. In the Fall 2023, an advertising campaign reached 152,613 unique users and made 290,060 impressions. In the Spring 2024, an advertising campaign reached 166,980 unique users and made 410,057 total impressions; (2) Cigarette butts - The program implemented an advertising campaign in Spring 2024, reaching 133,704 unique users and making 432,012 impressions. (3) Litter - The program implemented an advertising campaign in Spring 2024, reaching 126,665 unique users and making 627,402 impressions. (4) Paint - The program implemented an advertising campaign in Spring 2024, reaching 197,734 unique users and making 512,708 impressions. (5) Pesticides - The program implemented an advertising campaign in Spring 2024, reaching 210,193 unique users and making 486,520 impressions.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Monteith Park and View Park Green Alley Stormwater Improvements Project (Alley Portion)	Unincorporated LA County	Ballona Creek	Infiltration Well	The Project will divert stormwater and urban runoff into a series of underground infiltration wells at Monteith Park and in an alley in the View Park community. The View Park alley will be converted into a green alley and provide multiple benefits to the community. The Project will also include above ground landscaping, low-impact-development features, and educational signage.	34.003659	-118.333218	07/15/2026	07/15/2026	\$2,200,140.00	\$64,800.00	Safe, Clean Water, Municipal General Fund, CA State Proposition 1, IRWM Funding (DWR), Other State Program	0.06 ac	40.00 ac	1.70 ac-ft	Construction
Monteith Park and View Park Green Alley Stormwater Improvements Project (Park Portion)	Unincorporated LA County	Ballona Creek	Infiltration Well	The Project will divert stormwater and urban runoff into a series of underground infiltration wells at Monteith Park and in an alley in the View Park community. The View Park alley will be converted into a green alley and provide multiple benefits to the community. The Project will also include above ground landscaping, low-impact-development features, and educational signage.	33.999024	-118.337397	07/15/2026	07/15/2026	\$10,022,860.00	\$295,200.00	Safe, Clean Water, Municipal General Fund, CA State Proposition 1, IRWM Funding (DWR), Other State Program	0.68 ac	188.00 ac	7.60 ac-ft	Construction
Municipal Employee Training Program	Los Angeles	Not Applicable	Outreach and Conservation Program	The program has developed six employee training video modules that focus on specific job classifications, their related activities and best management practices to avoid the creation of polluted urban runoff (good housekeeping practices at home, at construction sites; reporting illicit connections and discharges; vehicle maintenance and fueling; storage of chemicals and materials; and, pesticides and fertilizers use and application). The placement of the training modules on the City of LA’s municipal employee training platform (Cornerstone) and then the viewing of the modules by municipal employees is the next step in this activity.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Online Outreach Program	Los Angeles	Not Applicable	Outreach and Conservation Program	During this reporting period, the City of Los Angeles utilized various online platforms to distribute public information/educational messaging targeting pollutants of concern, engage with the public and raise public awareness of stormwater program benefits and needs. Methods used include the following: (1) the creation of content for web pages on LA Sanitation and Environment’s website for the Watershed Protection Program (lacitysan.org/watershedprotection) and Safe Clean Water Program (lacitysan.org/safecleanwater), which have 79 and 28 web pages respectively and have experienced 154,363 and 4,844 page views respectively; (2) the creation and distribution of an e-newsletter to approximately 16,000 subscribers quarterly with an average open rate of 36.2% and every e-newsletter issue including an article about a Safe Clean Water Program Project; (3) the creation of content and administration of a Facebook page (13,568 followers; 170 posts that reached 20,182 people), an Instagram feed (1,437 followers; 170 posts that reached 28,141 people), a blog with 36 published articles and a YouTube channel, which houses 48 educational videos and has 212 subscribers; (4) the creation and distribution of targeted e-blasts to gardeners and teachers. One e-blast with pollution prevention messaging targeting pesticides and fertilizers was sent to gardeners (4,172 subscribers with a 33% open rate) in spring 2024 and two e-blasts to teachers with information on available educational materials sent in November 2023 (1,162 subscribers with a 35.6% open rate) and February 2024 (1,159 subscribers with a 37.7% open rate). These activities were performed by the jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Parking Lot	West Hollywood	Ballona Creek	LID Retrofit, Biofiltration	Biofiltration Planter (1)	34.090361	-118.3666	Not Applicable	06/30/2025	\$1,009,228.60	\$5,000.00	Not Applicable	0.04 ac	0.56 ac	Not Applicable	Construction
Point of Purchase Program	Los Angeles	Not Applicable	Outreach and Conservation Program	During this reporting period, educational point of purchase educational materials were distributed to 151 automotive retail stores; 155 certified used motor oil collection centers; 60 pet-related retail stores, veterinarians and groomers; 17 home improvement stores and garden centers. The program conducted intercept surveys (97 in English and 97 in Spanish) to measure the efficacy of paint and pesticides/fertilizers outreach materials (e.g. shelf talkers). Intercept survey results indicated that the educational materials were effective in increasing the percentage of residents who were familiar or very familiar with the correct usage of pesticides/fertilizers by 28% and in increasing the percentage of residents who were familiar or very familiar with the correct disposal of unwanted paint by 29%.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Other
Program Management	Santa Monica	Not Applicable	Outreach and Conservation Program	Management of website and public information	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Implementation
Public Education / Collateral Materials	Los Angeles	Not Applicable	Outreach and Conservation Program	The program has various printed outreach materials available for distribution in 13 languages: Armenian, Simplified Chinese, English, Farsi, Hindi, Japanese, Khmer, Korean, Russian, Spanish, Tagalog, Thai, Vietnamese. These materials focus on residential best management practices. Various collateral items (dog waste bag canisters and refills, refrigerator magnets, seed packets, pens, pencils, stickers, children's activity book, tip cards, car trash bags, reusable canvas bags, t- shirts and book markers), are available and distributed to the general public to educate them about LA’s regional stormwater system and encourage positive behavior change to reduce pollutants in LA’s waterways.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation

Section 1.3 - Table 1b-part 1: Watershed Control Measures Planned and In Progress

Project Name	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Estimated Completion Date	Estimated Capital Costs [\$]	Estimated Annual O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Status
Public Works Road Maintenance Street Sweeping	Unincorporated LA County	Not Applicable	Enhanced Street Sweeping	street sweeping services	Not Applicable	Not Applicable	Not Applicable	Not Applicable	\$7,371,207.00	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Resident Stormwater Behaviors and Attitudes Study	Los Angeles	Not Applicable	Other	<p>During this reporting period, the City of Los Angeles conducted a Resident Stormwater Behaviors and Attitudes Study to (1) Enhance the City’s understanding of public perceptions, beliefs, and attitudes regarding stormwater issues on a local level; (2) Understand the motivators and barriers that drive stormwater-related behaviors; and (3) Identify specific subgroups of the population - defined by stormwater-related psychographic traits (perceptions, beliefs, and attitudes) - that future outreach efforts should focus on. The research was conducted via online and in-person surveys from November 2023 through March 2024. Many aspects of the study (e.g. survey questions, sample size, and approach) were informed by the Los Angeles County Department of Public Works’ 1997 L.A. County Stormwater Segmentation Study. The online survey received a total of 958 responses (53 in Spanish) from City residents. In-person intercept survey efforts from January 13 through March 1, 2024 enhanced accessibility and reach. Intercept surveys were conducted at 9 locations with high foot traffic, yielding 66 additional responses (43 in Spanish). In general, City of Los Angeles residents are concerned about the environment (84%), interested in learning more about the actions they can take to support safe clean water (89%), and willing to change their behaviors (60%) to further reduce stormwater pollution. Since the 1997 county-wide study, current findings indicate an overall reduction in potentially polluting behaviors among residents (very few, if any, participate in such actions), yet some potentially harmful behaviors have become more prevalent, particularly those involving motor oil. This indicates a need to tailor outreach efforts to specific subgroups, or audiences, of the population whose behavior changes, which they’re already receptive to, could yield a significant reduction in local stormwater pollution and foster behavioral norms. When characterizing the population based on psychographic traits, 7 audience groups (or personae) emerge: Fix-it Foul-ups, Caring community members, Preoccupied Polluters, Super-polluters, Homebodies, Non-polluters, and Unwilling. Two of these groups are the most promising for public education and outreach based on their prevalence within the population, their willingness to change, and the anticipated benefits of effectively reaching them: 1. Fix-it Foul-ups. Likely-to-pollute individuals who are very willing to change and highly interested in learning more. Like all groups with higher pollution levels (weighted pollution impact of 20%), they tend to overestimate how much they know, yet are relatively unlikely to have received information about stormwater pollution prevention. 2. Pre-occupied Polluters. The weighted pollution impact of this group is 45%, reflecting both the size of the group and their relatively high propensity to pollute. Their willingness to change is moderate, though lower than Fix-it foul-ups or Caring community members. They are only slightly interested in learning more and tend to slightly overestimate their knowledge of this issue, posing unique messaging challenges. A third group stands out as a particularly powerful ally when persuading Fix-it Foul-ups, Pre-occupied Polluters, and other groups who may engage in the same activities: 3. Caring Community Members. Residents with low contributions to pollution (weighted pollution impact of 3%), yet very willing to change. When combined with Non-polluters, they constitute nearly half of all residents with environmentally conscious sentiments. Thus, they may play a key role in establishing norms around pro-environmental behaviors and attitudes in relation to specific activities that they share with those in other groups. However, they report a relatively low level of knowledge, so helping them see themselves as knowledgeable in these areas, such as car, home, and yard maintenance, may be necessary. The fourth and fifth groups, Super-Polluters and Homebodies may warrant further study. 4. Super-polluters. A small group that engages in potentially polluting behaviors at nearly twice the rate of the next highest polluting audience groups (on average) with a weighted pollution impact of 23% despite its size. While limited, data from these residents indicates they are more receptive to learning more on the topic than other groups. 5. Homebodies. Contributing very little to overall pollution (weighted pollution impact of 3%), Homebodies also have a moderate willingness to change but their interest in learning more is not high. However, some Homebody residents may be more receptive to new information and willing to consider changing specific behaviors. Thus, effective messaging to Homebodies should focus on specific pollution targets. The sixth and seventh audience groups are not thought to warrant targeted messaging. 6. Non-polluters. Residents who report engaging in none of the targeted polluting behaviors (31-33%) is significantly larger than in the 1997 L.A. County Segmentation Study (20%). With Caring Neighbors, this population has an important role in maintaining pro-environmental norms, but messaging resources would be better allocated to those whose behaviors are impacting the water than to Non-polluters. 7. Unwilling. This small population (4-5% of total) indicates a very low willingness to change, but tends to pollute less than heavy polluting groups. Given their weighted pollution impact of around 6% and disinterest in learning more, messaging resources would be better allocated towards other groups. When considering how to orient Program messaging to each audience, all groups find the City of Los Angeles to be the most trustworthy source of stormwater information. Caring Community members, Fix-it Foul-ups, and Super-polluters are family-oriented, care about how their neighborhoods look, are health-conscious, and are concerned about their environment. They are eager to learn, and messages that speak to their desire to “do the right thing” are likely to resonate. Many of the same messages are likely to persuade all three audiences. Pre-occupied Polluters may respond best to messages that frame pro-environmental behaviors as compatible with their individual lives. They have other things on their mind and do not express the strong family and neighborhood orientations of the Caring Community members, Fix-it Foul Ups, and Super-polluters. They care most about their health, animals, the outdoors, and the environment, but demonstrate less enthusiasm than other groups.</p>	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other

Section 1.3 - Table 1b-part 1: Watershed Control Measures Planned and In Progress

Project Name	Permittee(s)	Subwatershed	Project Type	Description	Latitude	Longitude	Required Completion Date in WMP	Estimated Completion Date	Estimated Capital Costs [\$]	Estimated Annual O&M Costs [\$]	Funding Source(s)	Project Footprint [Acres]	Drainage Area [Acres]	Projected Storage Capacity in WMP [Acre-feet]	Status
School Education Program	Los Angeles	Not Applicable	Outreach and Conservation Program	During this reporting period, the City provided educational programming related to watersheds and stormwater pollution prevention to LA-area students visiting the Environmental Learning Center (ELC) at Hyperion Water Reclamation Plant and the Discovery Cube Los Angeles on field trips. A total of 304 LA-area students visited the ELC. The total number of students visiting the Discovery Cube on field trips was 55,876. The number of students educated through the Discovery Cube LA’s classroom education programs was 7,100. LA Sanitation and Environment sponsored the 2024 Kids Ocean Day at Dockweiler Beach in May 2024 - an annual beach clean-up and aerial art event hosted by the non-profit Malibu Foundation for Environmental Education and which typically has approximately 4,000 participating elementary students. LA Sanitation and Environment’s sponsorship of \$10,000 provided for school buses to transport LA-area students to Kids Ocean Day. The City also made educational materials (activity books, stickers, posters, pens and pencils) available to teachers in the Los Angeles area. Two e-blasts were sent out to teachers informing them about the availability of educational materials for their classrooms. In November, an e-blast was sent to 1,163 teachers with a 35.6% open rate. In February, a second e-blast was sent to 1,157 teachers with a 37.7% open rate. The program distributed educational materials to four LA-area schools during this reporting period.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Small Site LID Ordinance	West Hollywood	Not Applicable	Expanded LID Ordinance	The West Hollywood LID Ordinance requires for residential, commercial, and industrial projects below the MS4 Permit threshold, requiring projects with 500 square feet or more of soil disturbance to incorporate LID BMPs into the project design.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Implementation
Street sweeping	Culver City	Not Applicable	Enhanced Street Sweeping	Routine streetsweeping based on commercial and residential schedules	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Street Sweeping	Santa Monica	Not Applicable	Enhanced Street Sweeping	Biweekly Street Sweeping	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Implementation
Syd Kronenthal Park Feasibility Study	Culver City	Not Applicable	Other	Potential project components that include Adams Channel Nature walk, dry or wet weather flow diversions, and associated extensions of existing bike to broaden the access to the Ballona Creek Bike Path which continues for eight miles to the Ballona Creek Wetlands and Pacific Ocean.	Not Applicable	Not Applicable	Not Applicable	7/31/2025	\$18,000,000.00	Not Applicable	Safe, Clean Water	Not Applicable	Not Applicable	Not Applicable	Planning
Trash TMDL Compliance	Culver City	Not Applicable	Other	Full Capture Device/Partial Capture Device installation in City and County operated catch basins within the city limits	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other Municipal Program	Not Applicable	Not Applicable	Not Applicable	Implementation
Urban Runoff Mitigation	Santa Monica	Not Applicable	Expanded LID Ordinance	Management and inspections of private BMP	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other
Summary of New and Redevelopment Projects	Beverly Hills	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the City of Beverly Hills' new and redevelopment projects. The values shown here were developed by summing the respective values of 46 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	25.36 ac	22.50 ac	Not Applicable	Not Applicable
Summary of New and Redevelopment Projects	Culver City	Ballona Creek, Centinela Creek	New and Redevelopment	This line item is intended to provide a summary of Culver City's new and redevelopment projects. The values shown here were developed by summing the respective values of 5 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	9.07 ac	8.54 ac	Not Applicable	Not Applicable
Summary of New and Redevelopment Projects	Inglewood	Centinela Creek	New and Redevelopment	This line item is intended to provide a summary of the City of Inglewood's new and redevelopment projects. The values shown here were developed by summing the respective values of 1 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	0.65 ac	0.65 ac	Not Applicable	Not Applicable
Summary of New and Redevelopment Projects	Unincorporated LA County	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the City of Unincorporated LA County's new and redevelopment projects. The values shown here were developed by summing the respective values of 3 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	10.65 ac	3.34 ac	Not Applicable	Not Applicable
Summary of New and Redevelopment Projects	West Hollywood	Ballona Creek	New and Redevelopment	This line item is intended to provide a summary of the City of West Hollywood's new and redevelopment projects. The values shown here were developed by summing the respective values of 69 new and redevelopment projects in the area covered by this subwatershed and jurisdiction.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	1.27 ac	11.94 ac	Not Applicable	Not Applicable

Note: Project information contained in this table was compiled based on information provided by the Permittee(s) involved in each project. The Permittee leading each project is identified as the first Permittee listed in the "Permittee(s)" column.

Section 1.3 - Table 1b-part 2: Additional Information

Project Name	Permittee(s) Collaborated with	Non-Permittee(s) Collaborated with	Funding Sought [\$]	Funding Obtained [\$]	Technical Assistance Received	Provides Clean Streets Benefit (e.g., street sweeping, litter abatement, etc.) ? [Yes/No]	Provides More Parks and Green Spaces Benefit? [Yes/No]	Provides Reduced Heat Island Effect Benefit? [Yes/No]	Provides Reduced Flooding Benefit? [Yes/No]	Provides Water Supply Augmentation Benefit? [Yes/No]	Provides Neighborhood Beautification Benefit? [Yes/No]	Provides Job Creation Benefit? [Yes/No]	Provides Benefits Accruing to Disadvantaged Communities? (as identified on CalEnviroScreen)
Angeles Mesa Green Infrastructure Corridor Project	Not Applicable	N/A	\$8,401,432.00	\$8,401,432.00	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ballona Creek TMDL Project	Culver City, Inglewood, Beverly Hills, West Hollywood, Unincorporated LA County, Los Angeles, Los Angeles County Flood Control District	Army Corp of Engineers, LARWQCB, CDFW	\$81,710,000.00	\$81,710,000.00	Other (non-Safe, Clean Water)	No	No	No	No	Yes	Yes	Yes	No
Business Outreach Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Citywide Bioretention Project	Not Applicable	Not Applicable	\$100,000.00	\$50,000.00	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Community Events / Booth in a Box Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Edward Vincent Junior Park Stormwater Improvements Project	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	Yes	Yes	Yes	No	Yes	Yes	Yes
Enhanced Catch Basin Cleaning	Not Applicable	Not Applicable	\$445,000.00	\$445,000.00	Other (non-Safe, Clean Water)	Yes	No	No	No	No	Yes	Yes	Yes
Enhanced Street sweeping	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Yes	No	No	No	No	Yes	Yes	No
Holloway	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	Yes	Yes	No	Yes	Yes	No
Industrial & Commercial Facilities Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other (non-Safe, Clean Water)	No	No	No	No	No	No	No	No
La Cienega Blvd Green Infrastructure Corridor	Not Applicable	StreetsLA	\$4,000,000.00	\$4,000,000.00	Other (non-Safe, Clean Water)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
La Cienega Park and Frank Fenton Field Stormwater Project	Beverly Hills, West Hollywood, Los Angeles	Not Applicable	\$10,000,000.00	\$0.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	No	No
Ladera Heights - W Centinela Ave Green Improvement Project	Not Applicable	Not Applicable	\$4,000,000.00	\$1,500,000.00	Safe, Clean Water	No	Yes	Yes	Yes	No	Yes	Yes	No
MacArthur Lake Stormwater Capture Project	Not Applicable	N/A	\$36,243,525.00	\$32,643,718.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maintenance Program For Nonadvertising Bus Stop Amenities - South County	Not Applicable	Not Applicable	\$294,585.00	\$294,585.00	Other (non-Safe, Clean Water)	Yes	No	No	Yes	No	Yes	Yes	Yes
Mass Media Advertising/Media Relations	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Monteith Park and View Park Green Alley Stormwater Improvements Project (Alley Portion)	Not Applicable	Not Applicable	\$2,752,740.00	\$2,200,140.00	Other (non-Safe, Clean Water)	No	Yes	Yes	Yes	No	Yes	Yes	Yes
Monteith Park and View Park Green Alley Stormwater Improvements Project (Park Portion)	Not Applicable	Not Applicable	\$12,540,260.00	\$10,022,860.00	Other (non-Safe, Clean Water)	No	No	Yes	Yes	No	Yes	Yes	Yes
Municipal Employee Training Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Online Outreach Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Parking Lot	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	Yes	Yes	Yes	No	Yes	Yes	No
Point of Purchase Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Program Management	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other (non-Safe, Clean Water)	No	No	No	No	No	No	No	No
Public Education / Collateral Materials	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Public Works Road Maintenance Street Sweeping	Not Applicable	Not Applicable	\$7,371,207.00	\$7,371,207.00	Other (non-Safe, Clean Water)	Yes	No	No	Yes	No	Yes	Yes	No
Resident Stormwater Behaviors and Attitudes Study	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
School Education Program	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Small Site LID Ordinance	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	No	No	No	No	No	No	No	No
Street sweeping	Not Applicable	Not Applicable	\$800,000.00	\$800,000.00	Other (non-Safe, Clean Water)	Yes	No	No	No	No	Yes	Yes	Yes
Street Sweeping	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other (non-Safe, Clean Water)	Yes	No	No	No	No	No	No	No
Syd Kronenthal Park Feasibility Study	Not Applicable	Not Applicable	\$300,000.00	\$300,000.00	Safe, Clean Water	No	No	No	Yes	Yes	Yes	Yes	Yes
Trash TMDL Compliance	Not Applicable	Not Applicable	\$950,000.00	\$950,000.00	Other (non-Safe, Clean Water)	Yes	No	No	No	No	Yes	Yes	Yes
Urban Runoff Mitigation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Other (non-Safe, Clean Water)	No	No	No	No	No	No	No	No

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