

Appendix C

Fiscal Year 2022-2023 JRMP Annual Reports by

Responsible Agency

Table 1 below represents the compilation of all JRMP Annual Report Form numbers for all the Responsible Agencies within the Carlsbad Watershed Management Area for the reporting period. Each Responsible Agency's JRMP Annual Report form is provided after Table 1.

Table 1: Carlsbad WMA Fiscal Year 2022-2023 JRMP Annual Report Form Totals

JRMP Element	Watershed Total			
Illicit Discharge Detection and Elimination Program				
# of non-storm water discharges reported by the public	1133			
# of non-storm water discharges detected by Copermittee staff and contractors	2011			
# of non-storm water discharges investigated by the Copermittee	1952			
# of sources of non-storm water discharges identified	1493			
# of non-storm water discharges eliminated	1459			
# of sources of illicit discharges or connections identified	1299			
# of illicit discharges or connections eliminated	1269			
# of enforcement actions issued	568			
# of escalated enforcement actions issued	64			
Development Planning Program				
# of proposed development projects in review	505			
# of priority development projects in review	215			
# of priority development projects approved	67			
# of approved Priority Development Projects exempt from any BMP requirements	5			
# of approved Priority Development Projects allowed alternative compliance	0			
# of Priority Development Projects granted occupancy	57			
# of completed Priority Development Projects in inventory	1256			
# of high priority Priority Development Project structural BMP inspections	1617			
# of Priority Development Project structural BMP violations	1851			
# of enforcement actions issued	879			
# of escalated enforcement actions issued	270			
Construction Management Program				
# of construction sites in inventory	5916			
# of active construction sites in inventory	5830			
# of inactive construction sites in inventory	5			
# of construction sites closed/completed during reporting period	3447			
# of construction site inspections	7615			
# of construction site violations	1620			
# of enforcement actions issued	744			
# of escalated enforcement actions issued	32			
Existing Development Management Program				
	Municipal	Commercial	Industrial	Residential
# of facilities or areas in inventory	478	6145	1177	167
# of existing development inspections	521	3770	396	245
# of follow-up inspections	39	791	82	141
# of violations	67	1097	66	167
# of enforcement actions issued	18	701	44	93
# of escalated enforcement actions issued	0	23	5	6

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2022-23**

I. COPERMITTEE INFORMATION

Copermittee Name: City of Carlsbad

Copermittee Primary Contact Name: Tim Murphy

Copermittee Primary Contact Information:

Address: 1635 Faraday Ave.

City: Carlsbad

County: San Diego

State: CA

Zip: 92008

Telephone: 442-339-2799

Fax:

Email: stormwater@carlsbadca.gov

II. LEGAL AUTHORITY

Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?

YES
NO

A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?

YES
NO

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board?

YES
NO

If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?

YES
NO

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?

YES
NO

Number of non-storm water discharges reported by the public	31
Number of non-storm water discharges detected by Copermittee staff or contractors	260
Number of non-storm water discharges investigated by the Copermittee	260
Number of sources of non-storm water discharges identified	90
Number of non-storm water discharges eliminated	95
Number of sources of illicit discharges or connections identified	62
Number of illicit discharges or connections eliminated	62
Number of enforcement actions issued	14
Number of escalated enforcement actions issued	2

V. DEVELOPMENT PLANNING PROGRAM

Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?

YES
NO

Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?

YES
NO

If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?

YES
NO

Number of proposed development projects in review	85
Number of Priority Development Projects in review	17
Number of Priority Development Projects approved	15
Number of approved Priority Development Projects exempt from any BMP requirements	5
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	16

Number of completed Priority Development Projects in inventory	305
Number of high priority Priority Development Project structural BMP inspections	359
Number of Priority Development Project structural BMP violations	1644
Number of enforcement actions issued	758
Number of escalated enforcement actions issued	269

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2022-23

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Number of construction sites in inventory	5220	
Number of active construction sites in inventory	5152	
Number of inactive construction sites in inventory	1	
Number of construction sites closed/completed during reporting period	3269	
Number of construction site inspections	2004	
Number of construction site violations	1229	
Number of enforcement actions issued	581	
Number of escalated enforcement actions issued	17	

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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	Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory	84	110	174	70
Number of existing development inspections	84	103	84	24
Number of follow-up inspections	0	78	20	6
Number of violations	0	41	1	6
Number of enforcement actions issued	0	25	3	2
Number of escalated enforcement actions issued	0	3	1	0

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Paz Gomez
Print Name

442-339-2799

Telephone Number

1/23/24

Date

Deputy City Manager, Public Works
Title

stormwater@carlsbadca.gov
Email

Illicit Discharge Detection and Elimination Program

This attachment is intended to supplement the reported numbers in Section IV, Illicit Discharge Detection and Elimination (IDDE), of the Jurisdictional Runoff Management Program Annual Report Form. Each section below is related to the corresponding question on the two-page form.

Number of non-storm water discharges investigated by the Copermittee

All non-storm water discharges detected by staff were investigated.

Number of sources of non-storm water discharges identified

The number of sources of non-storm water discharges identified is lower than the number detected and investigated. This occurs for several reasons. Some non-storm water discharges were detected from private residential landscape drains. Typically, the flow was minimal, and the exact source could not be identified. In most cases, educational notices were sent to these properties, and follow-up investigations will be conducted through the residential management area patrol inspection program. The remaining unidentified sources were temporary and/or transient and no obvious source was found.

Number of illicit discharges or connections eliminated

During this reporting period, all illegal discharges were identified and eliminated.

Number of enforcement actions issued

Enforcement was issued as necessary according to the city's Enforcement Response plan. For some illicit discharges and connections, other methods, such as verbal warnings or written notices, were utilized to correct the violation. Violations were not allowed to continue without escalating enforcement.

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Fiscal Analysis FY 2022-23

Identification of the various categories of expenditures necessary to implement the requirements of this Order, including a description of the specific capital, operation and maintenance, and other expenditure items to be accounted for in each category of expenditures.

The data provided is based on actual expenditures for the period from July 1, 2022, through June 30, 2023. Expenditure categories include: administration, development planning, construction, municipal, industrial, commercial, residential, IDDE, monitoring, education, trash, watershed and regional. The categories represent costs related to personnel, operation and maintenance (e.g. contract services, supplies, training, etc.), capital expenses for technology and vehicles as needed, as well as indirect overhead costs such as vehicle maintenance, IT support, citywide liability insurance, and Human Resource and Finance division support, among others.

The staff resources needed and allocated to meet the requirements of this Order, including any development, implementation and enforcement activities required;

There were 5.9 full time equivalent positions allocated to the Watershed Protection Program, and 5.1 full time positions allocated to the Storm Drain Maintenance group. Additional staff positions in various areas throughout the city also contributed toward meeting the requirements of the Order, including: Parks and Recreation Department; Fire Department, Utilities Department; Community Development - Land Development and Building Divisions; Transportation Department; Construction Management and Inspection Department; and Fleet and Facilities Department.

The estimated expenditures for Provisions E.8.b.(1) and E.8.b.(2) for the current fiscal year;

For FY 2022-23, a total of \$4,119,846 was spent, with \$4,037,679 spent on JRMP activities, \$52,614 spent on Watershed activities and \$29,553 spent on Regional activities.

The data presented here was derived from the City of Carlsbad's financial reporting system, Finance Enterprise. Some estimates are made where specific activities are not clearly delineated in the budget.

The source(s) of funds that are proposed to meet the necessary expenditures described in Provisions E.8.b.(1) and E.8.b.(2), including legal restrictions on the use of such funds, for the current fiscal year and next fiscal year.

The Permit requires the city to secure the resources necessary to meet the requirements of the Permit, and the JRMP, and to conduct an annual fiscal analysis. The analysis must evaluate the expenditures necessary to accomplish the activities identified in the JRMP and describe the sources of the funds used to meet the expenditures. The Watershed Protection Program is comprised of numerous program activities funded from a variety of sources. The table below summarizes the Watershed Protection Program activities and identifies the funding source for the current and next fiscal years:

Summary of Program Activities and Current Funding Sources

Program/Activity	Funding Source(s)
Storm Water Facility Capital Improvement Program	Developer Impact Fees, Developer Exactions, General Fund, Gas Tax, TransNet, Sales Tax, Federal and State Grants
Storm Water Facility Maintenance and Operation Program including Street Sweeping, Litter Removal and Storm Event Readiness and Patrolling	Solid Waste Fund Balance, General Fund
Storm Water Program Administration	Collected Solid Waste Services Fees
Illicit Detection and Illegal Discharge Enforcement Program	Solid Waste Fund Balance
Commercial/Industrial SWPPP Inspection Program	Solid Waste Fund Balance
Construction Related SWPPP Review and Inspection Program	Developer Fees

In March 2021, the city conducted a cost allocation study to determine the maximum allowable funding that can be collected based on the average annual projected trash reduction related costs. Based on the results of that study, starting July 1, 2022, the city receives \$1.3 million per year for trash reduction related stormwater program expenses, which are paid in quarterly payments from the city's waste hauler. Programs are fully funded using this revenue plus previously collected Solid Waste Service Fees. City staff are currently working to develop additional funding mechanisms for the future stormwater program expenses.

San Diego County Copermittees Fiscal Analysis Report for Runoff Management Programs

Expenditure Summary**FY 2022-23**

Jurisdictional Components	
Administration	\$ 989,089
Development Planning	\$ 309,828
Construction	\$ 411,020
Municipal	\$ 2,027,824
Industrial and Commercial	\$ 47,093
Residential ¹	\$ 4,389
IDDE	\$ 74,401
Monitoring	\$ 67,751
Education	\$ 63,162
Trash	\$ 43,122
Public Participation ²	included elsewhere
Special Investigations	
Non-Emergency Fire Fighting	
Jurisdictional Total	\$4,037,679

Watershed

Watershed 1-Carlsbad Watershed ³	\$ 52,613.52
Watershed Total	

Regional

Total Copermittee Cost Share	\$ 29,553.37
Regional Total	

Total Costs	\$4,119,846
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Notes:

Due to limitations of the City's financial system, costs provided are best estimates. Not all categories are easily identifiable as specific to the category on this list. Staff believes that the information provided is as accurate as possible, given the constraints of the financial reporting system.

¹ Additional cost accounted for in IDDE, and Education.

² Cost accounted for in Watershed and Education components.

³ Carlsbad Watershed expenses reported here are total expenses for the City of Carlsbad.



Memorandum

January 16, 2024

[Handwritten signature over the text]

To: Paz Gomez, Deputy City Manager, Public Works
Gary Barberio, Deputy City Manager, Community Services

From: Scott Chadwick, City Manager

Via: Geoff Patnoe, Assistant City Manager

Re: Delegation of Signature and other City Manager Authorities

This memorandum outlines authority delegated by the City Manager to the following staff to sign documents and perform City Manager duties as specified in the attached "City Manager Signature and Duty Authority Delegation Matrix" dated January 16, 2024:

- Paz Gomez, Deputy City Manager, Public Works
- Tom Frank, Transportation Director/City Engineer
- Vicki Quiram, Utilities Director
- James Wood, Environmental Sustainability Director
- John Maashoff, Public Works Manager
- Emily Hasegawa, Engineering Manager, Construction Management & Inspection
- Jason Geldert, Engineering Manager, Community Development

The delegations of these authorities include the ability for the receiving manager to subsequently delegate such specific authority to a designee where authorized in the delegation matrix.

This memorandum supersedes all previous memoranda from the City Manager related to the delegation of the authority and duties outlined in the delegation matrix.

Attachment: A. City Manager Signature and Duty Authority Delegation Matrix dated January 16, 2024

cc: Tom Frank, Transportation Director/City Engineer
Vicki Quiram, Utilities Director
James Wood, Environmental Sustainability Director
Jeff Murphy, Community Development Director
Mike Strong, Assistant Community Development Director
John Maashoff, Public Works Manager
Emily Hasegawa, Engineering Manager, Construction Management & Inspection
Jason Geldert, Engineering Manager, Community Development



Attachment A

City Manager Signature and Duty Authority Delegation Matrix
January 16, 2024

Document/Activity	Delegated Department/Position	Source of Authority
"Enforcement official" Duties (Single-Use Plastic Foodware Ban, Plastic Bottled Beverage Reduction, Plastic Bag Ban and Intentional Release of Balloons Prohibition)	Deputy City Manager, Public Works or designee or Environmental Sustainability Director or designee	CMC 6.20.020 CMC 6.22.020 CMC 6.24.020 CMC 6.26.020
"Enforcement official" ¹ Duties (CMC Chapter 15.12)	Deputy City Manager, Public Works or designee	CMC 15.12.020
Enforcement Authority for CMC Chapter 6.08 Solid Waste	Deputy City Manager, Public Works or designee	CMC 6.08.220
Enforcement Authority for CMC Title 13 Sewers	Utilities Director or designee	CMC 1.10.020 A
Subdivision and Development Secured Agreements (includes deadline extension agreements)	Engineering Manager, Community Development	CMC 20.16.060 CMC 20.28.070
Future Improvement Agreements *	Engineering Manager, Community Development	CMC 20.28.090
Covenants not to Oppose an Improvement District	Engineering Manager, Community Development	CMC 20.28.100
Deferral of Improvements (Building permits) *	Engineering Manager, Community Development	CMC 18.40.070
Neighborhood Improvement Agreements (includes releases) *	Engineering Manager, Community Development	CMC 18.40.090
Minor Subdivision Improvement Agreements	Engineering Manager, Community Development	CMC 20.28.070
Subdivision Park-in-Lieu Fee Agreements	Engineering Manager, Community Development	CMC 20.44.050
Program Supplements for State and Federal Aid Projects	Deputy City Manager, Public Works	City Council Resolution No. 2000-353
Duly Authorized Representative for all applications, reports, or information submitted to the San Diego Water Board including certification of the Jurisdictional Runoff Management Plan (JRMP) and JRMP Annual Reports, Water Quality Improvement Plan (WQIP), WQIP Annual Reports, and other	Deputy City Manager, Public Works	CMC 2.12.035; Municipal Storm Water Permit Attachment B.1.k.(1) requires certification by principal executive officer, ranking elected official or duly authorized representative

¹ "Enforcement official" for Chapter 15.12 is defined as the City Manager or Designee

City Manager Signature and Duty Authority Delegation Matrix

January 16, 2024

Page 2

documents related to Municipal Storm Water Permit ²		
Construction General Permit (CGP) Certifications and Other CGP Permit Compliance Documents	Engineering Manager, Construction Management & Inspection, or Public Works Manager	CMC 2.12.035
Release Notices for Reimbursement Agreements and Fee Collection Agreements	Engineering Manager, Community Development	CMC 2.12.035 and per respective agreements
Public Facilities Fee (PFF) Agreement Release Notice	Engineering Manager, Community Development	City Council Policy No. 17

*Any action to defer construction of public improvements as a condition for minor subdivision, building permit, or other development permit approval is delegated as described in this matrix except that upon making such determination, the person making such determination shall immediately notify the City Manager of their determination to defer.

² Order No. R9-2013-0001, as amended by Order Nos. R9-2015-0001 and R9-2015-0100 NPDES No. CAS0109266 as it may be amended or reissued.

CITY OF ENCINITAS

Clean Water Program



PUBLIC WORKS

**Jurisdictional Runoff
Management Program
Annual Report**

FY 2022-23

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT
JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM

I. COPERMITTEE INFORMATION

Copermittee Name: City of Encinitas
 Copermittee Primary Contact Name: Erik Steenblock
 Copermittee Primary Contact Information: City of Encinitas Clean Water Program
 Address: 160 Calle Magdalena
 City: Encinitas County: San Diego State: CA Zip: 92024
 Telephone: 760-633-2787 Fax: 760-436-3592 Email: cleanwater@encinitasca.gov

II. LEGAL AUTHORITY

Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>

If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

1. Number of non-storm water discharges reported by the public	78
2. Number of non-storm water discharges detected by Copermittee staff or contractors	126
3. Number of non-storm water discharges investigated by the Copermittee	204
4. Number of sources of non-storm water discharges identified	156
5. Number of non-storm water discharges eliminated	156
6. Number of sources of illicit discharges or connections identified	13
7. Number of illicit discharges or connections eliminated	7
8. Number of enforcement actions issued	202
9. Number of escalated enforcement actions issued	9

V. DEVELOPMENT PLANNING PROGRAM

Has the Copermittee implemented a development planning program that complied with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>

If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

1. Number of proposed development projects in review	63
2. Number of Priority Development Projects in review	5
3. Number of Priority Development Projects approved	7
4. Number of approved Priority Development Projects exempt from BMP requirements	0
5. Number of approved Priority Development Projects allowed alternative compliance	0
6. Number of Priority Development Projects granted occupancy	4
7. Number of completed Priority Development Projects in inventory	175
8. Number of high priority Priority Development Project structural BMP inspections	268
9. Number of Priority Development Project structural BMP violations	1
10. Number of enforcement actions issued	1
11. Number of escalated enforcement actions issued	1

**ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT
JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM**

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
1. Number of construction sites in inventory	138	
2. Number of active construction sites in inventory	138	
3. Number of inactive construction sites in inventory	0	
4. Number of construction sites closed/completed during reporting period	28	
5. Number of construction site inspections	147	
6. Number of construction site violations	73	
7. Number of enforcement actions issued	73	
8. Number of escalated enforcement actions issued	1	

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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	Municipal	Commercial	Industrial	Residential
1. Number of facilities or areas in inventory	57	437	3	25
2. Number of existing development inspections	42	135	2	10
3. Number of follow-up inspections	17	16	0	0
4. Number of violations	17	16	0	0
5. Number of enforcement actions issued	17	16	0	0
6. Number of escalated enforcement actions issued	0	5	0	0

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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X. CERTIFICATION

I Principal Executive Officer Ranking Elected Official Duly Authorized Representative certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Sylvester Mabry, Jr.

Print Name

(760) 633-2858

Telephone Number

Date

Director of Public Works

Title

smbabry@encinitasca.gov

Email

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT

INTRODUCTION

Section J.3 of Water Quality Order No. R9-2013-0001 requires the City of Encinitas to prepare a JRMP Annual Report describing all activities conducted by the City to comply with the provisions of that Order. The following report covers the implementation period for Fiscal Year 2022-2023 with a defined reporting period from July 1, 2022 through June 30, 2023.

Provision F.3.b of Water Quality Order No. R9-2013-0001, which became effective on June 27, 2013, requires the completion of a JRMP Annual Report Form (contained in Attachment D of the Order) to serve as a Transitional JRMP Annual Report until the Water Quality Improvement Plan (WQIP) Annual Reports are approved.

The intent of the following report and related attachments is to fulfill the reporting requirements defined by Water Quality Order R9-2013-0001.

I. COPERMITTEE INFORMATION

Copermittee (City of Encinitas) Information has been provided according to the *City of Encinitas Jurisdictional Runoff Management Program Annual Report Form FY 2022-2023*.

II. LEGAL AUTHORITY

Legal Authority has been certified according to the *City of Encinitas Jurisdictional Runoff Management Program Annual Report Form FY 2022-2023*.

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

The City of Encinitas Jurisdictional Urban Runoff Management Program document was not required by the San Diego Water Board to be updated within the defined reporting period of this report; however, the City performed an update to incorporate an update to the structural BMP inspection prioritization process as well as updating inspection inventories, maps, and forms. This update has been posted to the Regional Clearinghouse.

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

1. Number non-storm water discharges reported by the public **78**
There were 78 non-storm water discharges reported by the public to city staff.

2. Number non-storm water discharges detected by Copermittee staff or contractors **126**
There were 126 non-storm water discharges reported by city staff or city contractors, including 31 that were discovered through the monitoring program.

3. Number non-storm water discharges investigated by the Copermittee..... **204**
There were 204 total discharges investigated by Clean Water Staff.

4. Number of sources of non-storm water discharges identified **156**

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT

Of the 204 discharges investigated, 156 discharges were reported to have a known discharge material and code violation listed.

5. Number non-storm water discharges eliminated 156

Of the 156 total discharges identified, all 156 discharges were eliminated.

6. Number of sources of illicit discharges orconnections identified... 13

There were 13 illicit discharges identified through MS4 Outfall Discharge monitoring. MS4 Outfall Discharge monitoring, which consisted of field screening only, was conducted at 39 sites biannually for a total of 80 inspections. A copy of the FY 2022-23 MS4 Outfall Discharge Monitoring data is available upon request.

7. Number of illicit discharges orconnections eliminated..... 7

There were 7 illicit discharge sources identified and eliminated. There were no illicit connections identified.

8. Number of enforcement actions issued..... 202

There were 202 total enforcement actions issued. This includes 156 complaint inspections that required corrective actions and 46 additional complaint follow up inspections that required corrective actions. During this FY, the City modified its complaint investigation system to more accurately track additional follow-up Additional enforcement action classification material is available upon request.

9. Number of escalated enforcement actions issued 9

There were 9 escalated enforcement actions issued. There were 5 NOVs and 4 citations issued. It is important to note that NOVs for construction sites do not count towards and are not classified as escalated enforcement. Additional escalated enforcement action classification material is available upon request.

V. DEVELOPMENT PLANNING PROGRAM

1. Number of proposed development projects in review 63

The total number of proposed development projects in review accounts for all projects that applied for a grading permit in FY 2022-23. Priority Development Project (PDP) designation is formally determined during the Engineering Division's development review process. Application for a grading permit initiates this process. The Engineering review process may take only a few weeks or up to several years, depending on the complexity of the project and the applicants' motivation to acquire a permit for construction. A list of specific proposed projects in review in FY 2022-23 is available upon request.

2. Number of Priority Development Projects in review 5

The total number of Priority Development Projects in review accounts for all projects identified as priority that applied for a grading permit in FY 2022-23. PDP designation is formally determined during the Engineering Division's development review process. Application for a grading permit initiates this process. The Engineering review process may take only a few weeks or up to several years, depending on the complexity of the project and the applicants' motivation to acquire a permit for construction. A list of the PDPs in review in FY 2022-23 is available upon request.

3. Number of Priority Development Projects approved.....7

The number of Priority Development Projects approved includes all projects that received grading plan approval for their project in FY 2022-23. An inventory approved PDPs is available upon request.

4. Number of approved Priority Development Projects exempt from any BMP requirements.....0

There were 0 (zero) Priority Development Projects that were allowed an exemption from PDP BMP requirements in FY 2022-23.

5. Number of approved Priority Development Projects allowed alternative compliance.....0

There were 0 (zero) Priority Development Projects that were allowed alternative compliance in FY 2022-23.

6. Number of Priority Development Projects granted occupancy.....4

In FY 2022-23, 4 Priority Development Project completed construction and was granted full occupancy. All projects obtained grading certification, verifying that all BMPs were installed per approved project plans and granted occupancy. The PDP inventory includes project completion dates and is available upon request.

7. Number of completed Priority Development Projects in inventory.....175

There are 175 total completed projects with Permanent BMPs since the City began implementing its requirements for Priority Development Projects. The PDP inventory is available upon request.

8. Number of high priority Priority Development Project structural BMP inspections 268

A total of 268 high priority Priority Development Projects structural BMPs were inspected in FY 2022-23. A summary of inspection activities and results is available upon request.

9. Number of Priority Development Project structural BMP violations...1

As a result of Permanent BMP inspection actions in FY 2022-23, 1 projects/properties with Permanent BMPs were identified as having violations that required corrective action. In each instance, properties with violations were issued enforcement action.

10. Number of enforcement actions issued.....1

As a result of Permanent BMP inspection actions in FY 2022-23, 1 projects/properties with Permanent BMPs were identified as having violations that required corrective action. In each instance, violations were corrected after issuance of a written corrective action.

11. Number of escalated enforcement actions issued 1

There was 1 (one) escalated enforcement action related to Permanent BMPs that was issued in FY 2022-23.

VI. CONSTRUCTION MANAGEMENT PROGRAM

1. Number of construction sites in inventory.....138

The Construction Inventory for FY 2022-23 is available upon request.

2. Number of active construction sites 138

A construction site was considered active if at any point during the wet or dry season of the fiscal year the site was active.

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT

3. Number of inactive construction sites in inventory.....	.0
4. Number of construction sites closed/completed.....	28
5. Number of construction site inspections.....	147

6. Number of construction site violations **73**

Construction site violations are the collection of the following enforcement actions: corrective actions, verbal and written warnings, citations, NOV's, and Stop Work Orders. The Construction Enforcement Actions Inventory for FY 2022-23 is available upon request.

7. Number of construction enforcement actions issued..... **73**

The total number of construction enforcement actions includes corrective actions, advisory letters, and verbal and written warnings.

8. Number of construction escalated enforcement actions issued... .. **1**

The total number of construction escalated enforcement actions, as a result of routine inspections, includes: Stop Work Orders, BMP Implementations by City-hired contractor with cost reimbursement to the City, or a revocation of permits.

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

1. Number of existing development facilities or areas in inventory:	Municipal.....57
	Commercial 437
	Industrial3
	Residential.....25

The residential areas represent Residential Management Areas defined within the City of Encinitas. All Existing Development inventories for FY 2022-2023 are available upon request.

2. Number of existing development Inspections:	Municipal.....42
	Commercial.....135
	Industrial2
	Residential.....10

Of the 57 municipal facilities, 42 have been designated with a high inspection priority and 15 have been designated a low inspection priority. All high priority municipal facilities are formally inspected on an annual basis. Of the 437 commercial facilities, 135 commercial existing development inspections were completed, exceeding the 20% annual inspection requirement for commercial facilities. 2 of 3 industrial facilities were inspected within the defined reporting period of this report as 1 industrial site is a closed/inactive landfill which is owned by the County of San Diego. Mobile businesses are not on a routine inspection priority and are not typically inspected unless prompted by a complaint investigation. Of the 10 residential management area inspections, all were completed through Dry Weather MS4 Outfall

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT

Monitoring. All Existing Development Inspection Reports for FY 2022-23 are available upon request.

3. Number of existing development follow-up inspections:	Municipal.....17
	Commercial.....16
	Industrial.....0
	Residential0

Of the 42 municipal facilities inspections, 17 required follow up inspections. Of the 135 commercial facilities inspections, 16 required follow up inspections. Of the 2 industrial facilities inspections, 0 required a follow up inspection.

4. Number of existing development violations:	Municipal.....17
	Commercial.....16
	Industrial.....0
	Residential0

Existing development violations are the collection of the following enforcement actions: correct works, advisory letter, verbal and written warnings, citations, NOV's, and Stop Work Orders. The Existing Development Enforcement Actions Inventory for FY 2022-23 is available upon request.

5. Number of existing development enforcement actions issued:	Municipal.....17
	Commercial.....16
	Industrial.....0
	Residential0

The total number of existing development enforcement actions includes correct works, advisory letters, and verbal and written warnings.

6. Number of existing development escalated enforcement actions issued:	Municipal.....0
	Commercial.....5
	Industrial0
	Residential0

The total number of existing development escalated enforcement actions includes administrative citations, NOVs, and Stop Work Orders. The Existing Development Enforcement Actions Summaries and Escalated Actions are available upon request.

VIII. PUBLIC EDUCATION & PARTICIPATION

The City of Encinitas has implemented both an education program and a public participation program that complies with Order No. R9-2013-0001. A list of events and educational outreach materials for FY 2022-

ENCINITAS FY 2022-2023 JRMP ANNUAL REPORT

2023 is available upon request.

IX. FISCAL ANALYSIS

The City of Encinitas has prepared a Fiscal Analysis summary according to the *City of Encinitas Jurisdictional Runoff Management Program Annual Report Form FY 2022-2023*. The Fiscal Analysis has been presented in a separate attachment to this report. (See Section IX – Fiscal Analysis)

X. CERTIFICATION

Certification requirements have been documented according to the *City of Encinitas Jurisdictional Runoff Management Program Annual Report Form FY 2022-2023*.

IX. FISCAL ANALYSIS

IX.1 INTRODUCTION

On January 29, 2009, the San Diego Region Stormwater Copermittees submitted the *Standardized Fiscal Analysis Method and Format* as required by municipal permit Sections G, J.1.a(3)(k), and J.1.c(1)(d) of Order No. 2007-0001. The defined reporting period of this report marks the tenth full application of the fiscal analysis methodologies developed in the document, and the information provided in this section has been prepared consistent with the standardized approach, using the best information available at the time of report preparation. For consideration, using the standardized format to capture programmatic expenditures across multiple City departments that provide an array of interrelated stormwater management services has necessitated a considerable margin of approximation for various functional areas, particularly related to staff resources (labor costs). In compliment to approximated figures, actual programmatic expenditures have been used as much as possible to present a refined fiscal analysis overview specific to the City of Encinitas.

IX.2 GENERAL BUDGET INFORMATION

The Stormwater Management Section of the Public Works Department is responsible for the overall administration of the Clean Water Program and develops and implements core program components including water quality monitoring, development oversight and enforcement, complaint response, facility inspection, education, outreach, and training related to stormwater and water quality. The Streets and Wastewater Sections of the Public Works Department are responsible for the operations and maintenance of the municipal separate storm sewer system (MS4) including channel maintenance, sewer maintenance, street sweeping, municipal facility inventories, and municipal facility inspections. Additionally, other City departments support core program functions and needs including the Development Services, Finance, and Parks & Recreation departments.

The FY 2022-2023 Clean Water Program and supporting department budgets were prepared in consideration of Water Quality Order No. 2013-0001 as well as other regulatory mandates placed upon the City of Encinitas. The FY 2022-2023 budgets support the historic level of service provided by the Clean Water Program in addressing water quality concerns specific to the five communities of Encinitas, through response to staff requests, citizen complaints, education, inspection, enforcement, monitoring, and development oversight. FY 2022-2023 budgeting has been prepared in consideration of permit obligations defined by Water Quality Order No. 2013-0001 as adopted by the RWQCB on May 8, 2013 (as amended by Order No. R9-2015-0001, as amended by Order No. 2015-0100), and represents the City's ongoing commitment to this program and the community it serves.

IX.3 FISCAL ANALYSIS METHODS

As introduced above, the information presented in this section has been prepared based upon the *Standardized Fiscal Analysis Method and Format* document that was collaboratively developed by the

San Diego County Stormwater Copermittees. This document provides the Copermittees, including the City of Encinitas, with guidance and standards to analyze and report on their respective runoff management program expenditures, and to identify the funding sources for their programs in a uniform format. While the regionally developed methodologies greatly support reporting consistencies such as expenditure categories and reporting metrics, the *Standardized Fiscal Analysis Method and Format* does not set up stringent or prescribed accounting practices.

The following points of consideration should be noted to calculate expenditures related to various program elements:

- Staff Resources have been calculated as a percentage of time and associated costs applied to a specific program area.
- To avoid cost overlaps in areas implemented across multiple departments, supporting department staff costs have not been included in the accounting below.

IX.4 FISCAL ANALYSIS RESULTS

IX.4.1 EXPENDITURES

The City of Encinitas Clean Water Program FY 2022-2023 Jurisdictional expenditure summary is presented in Table IX-1. In FY 2022-2023, the City's Water Quality Monitoring, Construction, Education, Residential, and Commercial program elements; and overall program administration were accomplished with five full time Clean Water Program staff. Land Development and Construction components utilized staff resources from the Land Development and Capital Improvement Sections of the Development Services Department, and some Municipal activities utilized Streets and Wastewater Section personnel. Labor related costs have been captured in the summary below based upon percentages of applicable staff resources. Non-labor costs including materials, supplies, and equipment have also been included.

Table IX-2 presents the Carlsbad Watershed Management Area Water Quality Improvement Plan (WQIP) cost share expenditure summary specific to Encinitas, as well as the jurisdictional expenditures toward WQIP water quality monitoring and strategy planning and implementation for the 2022-2023 fiscal reporting year. Table IX-3 presents the Regional expenditure summary capturing the City of Encinitas share of regionally (San Diego County) distributed costs.

IX.4.2 FUNDING SOURCES

In FY 2003-2004, the City Council attempted to pass a Clean Water Fee, which charged \$5.00 per month per water meter to the residents and businesses in the City of Encinitas. The Howard Jarvis Taxpayers Association challenged the fee based upon Proposition 218 requirements. The City was required to add this item to the ballot in March 2006 which was defeated. As a result, the City of Encinitas continues to subsidize the Clean Water Program through the General Fund.

Table IX-1 – Jurisdictional Expenditure Summary FY 22-23

JURISDICTIONAL COMPONENTS		
ADMINISTRATION	\$	160,832
DEVELOPMENT PLANNING	\$	295,722
CONSTRUCTION	\$	278,169
MUNICIPAL	\$	2,159,432
INDUSTRIAL AND COMMERCIAL	\$	126,097
RESIDENTIAL	\$	31,524
IDDE & DRY WEATHER MONITORING	\$	204,367
EDUCATION	\$	28,352
PUBLIC PARTICIPATION	\$	15,762
SPECIAL INVESTIGATIONS & CONTRACT SERVICES	\$	146,461
NON-EMERGENCY FIREFIGHTING	\$	15,762
<i>Jurisdictional Total</i>	\$	3,462,481

Table IX-2 – Watershed Expenditure Summary FY 22-23

WATERSHED / WATER QUALITY IMPROVEMENT PLAN (WQIP)		
CITY OF ENCINTAS SHARE OF WQIP - MONITORING	\$	14,257
CITY OF ENCINITAS SHARE OF CARLSBAD WATERSHED WQIP	\$	11,457
<i>Watershed Total</i>	\$	25,714

Table IX-3 – Regional Expenditure Summary FY 22-23

REGIONAL		
CITY OF ENCINITAS SHARE OF REGIONAL COSTS	\$	12,933
<i>Regional Total</i>	\$	12,933
TOTAL 2022-2023 EXPENDITURES	\$	3,501,128

FY 2022-23**I. COPERMITTEE INFORMATION**

Copermittee Name: City of Escondido – CARLSBAD WATERSHED

Copermittee Primary Contact Name: Juan Magdaraog

Copermittee Primary Contact Information:

Address: 201 North Broadway

City: Escondido

County: San Diego

State: CA Zip: 92025

Telephone: 760-839-4074

Fax:

Email: jmagdaraog@escondido.org

II. LEGAL AUTHORITY

Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001? YES NO

A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority? YES NO

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board? YES NO

If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse? YES NO

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001? YES NO

Number of non-storm water discharges reported by the public	616
Number of non-storm water discharges detected by Copermittee staff or contractors	123
Number of non-storm water discharges investigated by the Copermittee	739
Number of sources of non-storm water discharges identified	728
Number of non-storm water discharges eliminated	706
Number of sources of illicit discharges or connections identified	715
Number of illicit discharges or connections eliminated	698
Number of enforcement actions issued	32
Number of escalated enforcement actions issued	2

V. DEVELOPMENT PLANNING PROGRAM

Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001? YES NO

Was an update to the BMP Design Manual required or recommended by the San Diego Water Board? YES NO

If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse? YES NO

Number of proposed development projects in review	38
Number of Priority Development Projects in review	20
Number of Priority Development Projects approved	4
Number of approved Priority Development Projects exempt from any BMP requirements	0
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	11

Number of completed Priority Development Projects in inventory	135
Number of high priority Priority Development Project structural BMP inspections	10
Number of Priority Development Project structural BMP violations	18
Number of enforcement actions issued	16
Number of escalated enforcement actions issued	0

FY 2022-23

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?

YES
NO

Number of construction sites in inventory	32
Number of active construction sites in inventory	21
Number of inactive construction sites in inventory	2
Number of construction sites closed/completed during reporting period	8
Number of construction site inspections	339
Number of construction site violations	176
Number of enforcement actions issued	36
Number of escalated enforcement actions issued	1

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?

YES
NO

	Municipal#	Commercial	Industrial	Residential#
Number of facilities or areas in inventory	52	1351	131	10
Number of existing development inspections	40	1683	147	5
Number of follow-up inspections	9	450	39	1
Number of violations	20	486	42	4
Number of enforcement actions issued	0	435	37	4
Number of escalated enforcement actions issued	0	15	2	0

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?

YES
NO

Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?

YES
NO

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?

YES
NO

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Angela Morrow

Signature

Angela Morrow, P.E.

Print Name

760-839-6290 ext. 7030

Telephone Number

01/09/2024

Date

Interim Director of Utilities

Title

amorrow@escondido.org

Email



Jurisdictional Runoff Management Program (JRMP) Annual Report Fiscal Year 2022-23 Supplemental Information

I. Copermittee Information

The City of Escondido (City) submits this supplemental information for the Jurisdictional Runoff Management Program (JRMP) Annual Report to support Fiscal Year (FY) 2022-23 Water Quality Improvement Plan (WQIP) Annual Reporting efforts for the Carlsbad and San Dieguito River Watershed Management Areas (WMA). The City reviews, adapts, and improves programs to adjust to changing requirements, new data, insights into program implementation, and available technology to maintain compliance with the Municipal Separate Storm Sewer System (MS4) Permit.¹

II. Legal Authority

The City maintains the legal authority to enforce the provisions of the MS4 Permit. No relevant updates to the Municipal Code were made in FY 2022-23.

III. JRMP & Water Quality Improvement Plan (WQIP) Document Updates

The JRMP is available on the City of Escondido's Website² and via www.projectcleanwater.org. The City annually reviews changes to JRMP programs and submits a Summary of JRMP Updates as part of the JRMP Annual Report. The Summary of JRMP Updates (Attachment A) is meant to be a running list of changes to programs, priorities, or strategies from the January 2017 version. These changes may be necessary for several reasons, including but not limited to, information included in the WQIP and JRMP Annual Reports, Regional Water Quality Control Board (RWQCB) WQIP or Annual Report comment letters, directives, or correspondence from RWQCB staff, regulatory changes, document updates, or process improvements or efficiencies by the City.

The City implemented strategies to achieve goals in water quality improvement as described and reported in the Carlsbad and San Dieguito River WMA WQIPs and Annual Reports. The City of Escondido actively participates in watershed planning in both WMAs.

IV. Illicit Discharge Detection and Elimination (IDDE) + Monitoring Programs

The City responds promptly to all reports of non-stormwater discharges via the City of Escondido's Report It! Mobile Application and phone calls to the Public Works Hotline. All field staff are trained to report and enforce illicit discharges. In addition to a robust IDDE program, the City implements a dry weather MS4 outfall monitoring program.

Watershed groups implement wet weather monitoring. In the Carlsbad WMA, monitoring site ESC_108 was selected as an alternate wet weather sampling location for ESC_134 for the 2020-21 wet season. ESC_108

¹San Diego Regional Water Quality Control Board Order No. R9-2013-0001 as amended by Order No. R9-2015-0001 and R9-2015-0100.

² <https://www.escondido.org/Data/Sites/1/media/pdfs/pubworks/jrmp/JRMP.pdf?v=3>

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

continued to be used in wet weather monitoring for the 2022-23 wet season. ESC_108 is also a dry weather, high-priority, persistently flowing MS4 outfall.

Trash, Illegal Dumping, and Unauthorized Encampments

The Public Works Department works tirelessly to clean the City of trash and debris on public and private property. IDDE numbers include City service requests to remove litter and, sometimes, human waste from unauthorized encampments and other sources. The City has a dedicated debris crew that operates seven days per week. They are tasked to patrol over 30 known "hot-spot" locations within and near waterways, on City property, and behind businesses. In FY 2022-23, the City responded to 819 calls for services related to encampments or debris (739 in Carlsbad WMA and 80 in San Dieguito WMA) and removed 67 tons of trash and other debris from open channels through the Encampment Cleanup Program and MS4 channel maintenance programs.

The City continued hosting a series of meetings for the [Community Advisory Group on Homelessness](#). The City's Police and Public Works Departments coordinate patrols, enforcement, and regular encampment removal and cleanups. The City partner in local and regional task forces in developing a regional system for managing homeless needs throughout the year. The City's Impact Team, with representatives from the City Manager's Office, Police Department, Fire Department, Public Works Department, Park Rangers, Code Compliance, Housing and Neighborhood Services, Economic Development, and City Attorney's office, continue to work collaboratively together and with social service and non-profit agencies, to coordinate efforts to reduce the number of unsheltered individuals. In March of 2023, the mayor formed an ad hoc Homeless Subcommittee to work with neighboring North County cities to increase the community's availability of services and housing.

V. Development Planning Program

Environmental Programs continues to coordinate closely with Development Services on project review and approval as described in the JRMP. In FY 2022-23, the City improved and enhanced its electronic plan review system and public web portal for electronic project submittals.

Inspections and certification of maintenance of Priority Development Project (PDP) structural BMPs are implemented as described in the JRMP and are reported in the 2-page JRMP report form. Additional information regarding inventory and inspections can be found in Table 1. The City completed 100% of high-priority PDP site inspections and inspected over 20% of all PDPs during the reporting period.

Table 1 - Priority Development Project Inspection Summary

	San Dieguito WMA	Carlsbad WMA	Jurisdictional total
Number of PDPs in inventory	28	135	162*
Number of high-priority PDPs	3	10	13
Number of high-priority PDP inspections prior to the rainy season (Oct 2022) (% of high-priority PDPs)	3 (100%)	10 (100%)	13 (100%)
Number of PDP inspections (% of PDPs)	9 (32%)	54 (40%)	63 (39%)

*Canyon Crest project site lies in the Carlsbad and San Dieguito watersheds. For this reason, Canyon Crest is counted in San Dieguito's and Carlsbad's WMA inventories.

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

Work continued in FY 2022-23 on implementing a geographic information systems-based electronic tracking system for PDPs and structural BMP inspections within the City's asset management program (Cityworks). The inspection tracking element continued in FY 2022-23, and the first version of a Cityworks inspection report was developed and used in the workflow with plans to enhance the report further.

The City submitted a proposed BMP Design Manual update as part of the FY 2020-21 WQIP Annual Reports. An updated acceptance letter was received from the RWQCB in June 2022. The updated Escondido Storm Water Design Manual was published on the City's website and linked to Project Clean Water. A training was held in FY 2022-23 to inform City staff in multiple departments of the updates to the manual.

The City of Escondido encourages development projects to implement green street BMPs when improvements are required to the public right-of-way. In FY 2022-23, two projects with green street elements were completed, one in Carlsbad WMA and one in San Dieguito WMA. Several projects with green street improvements are currently under construction throughout the City, including the Villages/Country Club redevelopment project in the Upper San Marcos Creek Hydrologic Area.

VI. Construction Management Program

Environmental Programs continues to work closely with multiple departments (Development Services and Utilities/Engineering) to implement the Construction Program per the MS4 Permit and the City's municipal code. As part of the electronic plan review system, demolition permits are streamlined around a more formal process to ensure proper oversight from all departments. Outside consultants are used, as needed, to meet inspection obligations, especially in the case of staff turnover or complexity of projects. In FY 2022-23, the City's consultants primarily supported projects over an acre subject to the State Construction General Permit (CGP). Tables 2 and 3 below summarize construction projects, priority levels, inspections, and FY 2022-23 enforcement. Jurisdiction-wide, there were four high-priority construction projects covered by the CGP.

Table 2 - San Dieguito WMA Construction Program Summary

Site Priority	Projects	Inspections	Notice of Corrections	Stop Work Notices	Administrative Citations
Low	3	13	9	1	0
Medium	4	32	21	0	0
High	1	9	9	0	0
TOTAL	8	54	39	1	0

Table 3 - Carlsbad WMA Construction Program Summary

Site Priority	Projects	Inspections	Notice of Corrections	Stop Work Notices	Administrative Citations
Low	11	63	20	0	0
Medium	9	84	41	24	1
High	3	75	66	1	0
Total	23	222	127	25	1

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

Pre-Construction Meetings: Prior to a project obtaining a Grading Permit, a pre-construction meeting is scheduled with Field Engineering inspectors, Environmental Programs staff, and the developer. If the site is covered under the CGP, then the Qualified Storm Water Pollution Prevention Plan (SWPPP) Practitioner/Qualified SWPPP Developer (QSP/QSD) is in attendance. In FY 2022-23, 7 successful pre-construction meetings were held.

Rainy Season: Continuing a standard program practice, City staff mailed Pre-Rainy Season letters in September 2022, notifying developers of the importance of implementing and maintaining BMPs to prevent discharges. A current inspection form is attached to the letter, informing the developer to correct BMP deficiencies before the rainy season. Environmental Programs performed additional inspections and foreman education at high-priority sites prior to October 1. Developers were notified via email by the assigned field engineering inspector each time NOAA forecasted a greater than 50% chance of rain. This email notification reminds developers to implement their Rain Event Action Plans (REAPs), if applicable, and to ensure that BMPs effectively prevent downstream discharges. Environmental Programs and/or Field Engineering performed spot-check rain event construction inspections prior to a 50% forecast rain event, during the rain if during business hours, and/or after the rain event to confirm BMPs are functioning correctly to prevent any downstream discharge. Staff worked on clarifying and improving processes for discharges at sites covered by the CGP.

Staff Training: Training is a vital component of Escondido's construction program. In FY 2022-23, Environmental Programs provided numerous informal trainings, including focused discussions, at weekly staff meetings. Topics included erosion and sediment control BMPs, documentation reminders and tips, rules and regulations, and Regional Board enforcement actions. Additionally, City staff completed Qualified Stormwater Practitioner training. City staff also attended various workshops and webinars that focused on the reissuance of the CGP.

VII. Existing Development Management Program

Commercial-Industrial Inspections

Environmental Programs performs stormwater compliance inspections, in conjunction with wastewater pretreatment (also known as Fats, Oil, and Grease, or FOG) inspections, to protect sanitary and storm sewer systems. The City inspects inventoried businesses at least once per year, an enhancement over the once-per-permit cycle requirement outlined in the MS4 Permit. The team meets monthly with Business Licensing and Code Enforcement to ensure businesses comply with [California Senate Bill \(SB\) 205](#) requirements and enrollment in the California Industrial General Permit (IGP).

The City performed two inspections of commercial agricultural facilities in FY 2022-23.

Residential Areas and Property-Based Patrols

Pet waste bag dispensers in neighborhoods throughout the City are maintained in partnership with the Neighborhood Services Division of Development Services. In December 2022, 100 rolls of pet waste bags were delivered to neighborhood services to refill existing dispensers.

In addition to Escondido's Water Utilities Division meter reader inspections, Environmental Programs staff completed three Residential Management Area (RMA) patrols.

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

Municipal Facilities

City staff inspect Municipal facilities annually and work with Public Works (Parks and Facilities) and Engineering Services Landscape Maintenance District (LMD) staff to encourage improvements to landscaping or drainage and implement Best Management Practices. The Public Works Parks Division regularly assesses and improves park irrigation systems, while working on other planned project. City staff is working with an irrigation vendor (Rainbird) to onboard City irrigation controllers to a central control system. Additionally, weekly monitoring of the station run times are completed at all the LMDs. A complete irrigation survey was completed due to scheduled irrigation repairs at all our sites, which consisted of broken heads, mainline, and lateral breaks being addressed. The irrigation system is monitored regularly and repairs are made a priority.

Municipal Infrastructure Program Implementation

City staff from the Public Works and Utilities Departments achieved the following notable accomplishments in the maintenance of the MS4 and other municipal infrastructure facilities³:

- The Public Works Department swept 12,302 miles of streets, removing 2,840 cubic yards of material before it reached storm drains.
- The Public Works Department inspected 2,180 storm drain catch basins for accumulated debris and trash, performed 908 cleanouts of storm drains, thus removing 168 tons of debris from the MS4.
- The Public Works Department cleaned nine miles of open channel, removing 670.85 tons of invasive plants, trash, debris, and sediment before discharge to natural areas.
- The Wastewater Division implemented the Sewer System Maintenance Program. It achieved the following improvements in FY 2022-23, resulting in reduced risk of exfiltration or sewer spills: 30 miles of pipeline televised, 263 miles of sewer lines cleaned, 12 manholes rehabilitated with epoxy liner, and 730 feet of gravity main pipes lined. 135 feet of mainline was replaced or repaired.
- The Public Works Department removed nearly three tons of trash retained by two floating trash booms across Escondido and Reidy Creek flood control channels.

Channel Maintenance Program:

The City received all necessary Resource Agency Permits to continue implementing the Regional General Permit 94 (RGP 94) for open-channel maintenance of the MS4 in FY 2022-23. The City now has 87 permitted facilities where maintenance occurs, per wetland and habitat protection requirements from the San Diego Regional Water Quality Control Board, US Army Corps of Engineers, and California Department of Fish and Wildlife, along with a new habitat mitigation area in Kit Carson Park. City staff began maintenance at the newly permitted sites in July 2022.

MS4 Repairs and Retrofits

The City has made significant efforts to meet the requirements of the Statewide Trash Amendments and Trash Order (Order R9-2017-0077). In December 2018, required maps, schedules, and associated compliance documents were submitted to the Regional Board to demonstrate the City's plan for implementing the Track 1 compliance pathway. The City continues mapping efforts to delineate PLU inlet drainage areas. As of FY 2021-22, the City had 40 trash capture devices installed. Additional device locations were identified for installation. A bid was published, the contract was awarded, and installation began in FY 2022-23. The City continues to prepare and refine the information management systems and processes necessary to manage this program's

³ Municipal operations data is reported on a jurisdictional basis only.

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

design, bid, installation, maintenance, inventory, and reporting once requirements are incorporated into the MS4 Permit.

Stream Restoration and Rehabilitation Program

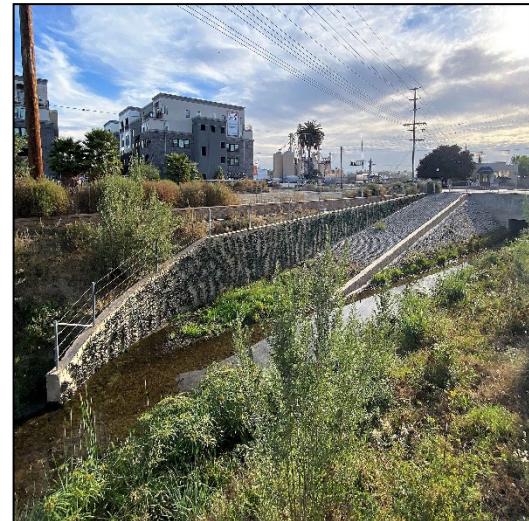
The City is dedicated to protecting and improving stream habitat within its jurisdiction.

Spruce Street Channel Improvement Project:

The Spruce Street Channel Improvement Project completed construction during FY 2021-22. Plant establishment and erosion control measures were subject to a two-year, post-installation revegetation maintenance and monitoring period, per requirements of wetland permits. The end of the two-year monitoring period was August 31, 2023. The City is awaiting final sign-off, which will be reported with the FY 2023-24 WQIP Annual Report.

Other stream restoration and rehabilitation efforts in FY 2022-23 included:

- **Kit Carson Park/Wetland Mitigation Areas:** The City performed maintenance and monitoring of 7 acres of wetland habitat restoration projects in Kit Carson Park.
- **Kit Carson Park/Eagle Scout Lake Bridge Project:** The City's known high-priority project in Kit Carson Park is an undercut bridge adjacent to Eagle Scout Lake. The bridge is severely damaged and needs replacement to protect a recycled water line. In FY 2022-23, while bridge engineering design remained at 60%, the project team prepared for and submitted applications for environmental permits from Resource Agencies. All environmental permit approvals have been received at the time of this writing in November 2023.



Retrofitting Areas of Existing Development

The City of Escondido implemented existing development retrofits on private and public property per the JRMP with specific focus payed to trash enclosures and landscape improvements. They are implemented in response to complaints, inspections, or enforcement, in addition to permit application review and site-specific conditions of approval. These efforts successfully see trash enclosure retrofits to add roofs and locking doors. In FY22-23, a combination of 13 retrofits and new trash enclosures were installed.

Construction of the Villages redevelopment project (Canopy Grove) in the Upper San Marcos Creek HA has continued in FY 2022-23. Grading is complete with all 380 homes and the commercial village center built. In Villages 1 and 3, the nutrient-sensitive stormwater treatment basins were completed, and the remaining basins have been excavated and are awaiting media installation. Offsite work continued, including establishing a new traffic signal light at Nutmeg Street and Country Club Lane.



City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

The Escondido Creek Trail is another notable area of existing development that is being improved. In January 2020, the City was awarded an \$8.5 million grant from the California Department of Parks Proposition 68 funding to improve 4.5 miles of the Class-I bicycle and walking path that follows the Escondido Creek flood control channel. The grant will connect the existing trail with the future Citracado Parkway bridge over the natural portion of Escondido Creek, adding 0.4 miles of new bicycle path providing public access to view high-quality riparian habitat in the creek mitigation area established by the City in 2001. Two creek trail crossings were installed in FY 2022-23. For more information about the project, including public engagement on environmental, stormwater, and educational elements, visit www.escondido.org/ECT.

VIII. Public Education and Participation

The City of Escondido implements an enhanced education program, often combining important messages on pollution prevention and water conservation. The City invites public participation in City Council meetings with relevant topics and for environmentally-focused projects. Beyond outreach at the jurisdictional level, the City actively participates in the Regional Education & Outreach workgroup of Copermittees and engages in monthly collaboration meetings on water efficiency messaging with the San Diego County Water Authority and its 24 member agencies. The [Project Clean Water](#) website is a web-based portal that provides a centralized point to access water quality information and resources. The website serves as the San Diego County Copermittees' Regional Clearinghouse and provides the public and regulators with access to documents and data organized by watershed. Project Clean Water also promotes regional and Copermittee educational events, including long-term outreach strategies like the "[52 Ways to Love Your Water](#)" pledge campaign. In addition, the department attends activities held by the San Diego Children's Discovery Museum. For example, on Nature Night, the Education Assistant engages children with water quality and conservation activities.

Student and Classroom Education and Public Outreach

In FY 2022-23, the Utilities Department completed 27 presentations to approximately 601 elementary school students throughout Escondido. In addition to the well-established education program, the Education Assistant collaborated with the San Diego County Office of Education to deliver the Splash Science Lab to further educate 4th and 5th-grade students. The Splash Science Lab curriculum focuses on hands-on activities that teach students about watershed issues. City staff attended 20 public outreach events in FY 2022-23 where staff distributed educational material and encourage the public to ask questions regarding pollution prevention, waste management, and water conservation. Additionally, 22 local trash cleanup events were held. On average, the cleanups collected 10-20 bags of trash, weighing approximately 8-10 pounds.

Printed and Online Advertising

The City regularly promotes the online reporting tool, Report It!, where the public can report illicit discharges, sewer overflows, and other water violations. The City also hosts volunteer cleanup events: Coastal Cleanup Day and Creek to Bay. Furthermore, the City regularly announces regional stormwater and water conservation programs on its social media platforms, website, events, quarterly recreation guide, and printed brochures.

Recycling and Waste Reduction Programs

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

The City's Utilities Department, Recycling & Waste Reduction (Recycling) program implements several initiatives to support educational efforts for stormwater pollution prevention, including household hazardous waste (HHW) and used oil recycling events, compost workshops, and volunteer litter cleanups. In FY 2022-23, the program continued efforts to reach as many residents as was feasible. The City sponsored electronic and household hazardous waste events twice a month, reaching over 200 people monthly. In partnership with Escondido Disposal, Inc. (EDI) the City of Escondido held two E-waste/Shred events. There were 996 residents who attended the events, where 13.2 tons of e-waste and 12.4 tons of paper were recovered. The City resumed quarterly compost workshops at the Escondido Community Garden where residents may purchase discounted compost bins and/or worm bins (including educational materials). Additionally, two lake cleanups were organized.



In FY 2022-23, the City coordinated eight newsletters with EDI that contained environmental messaging and trash pollution prevention topics. The newsletters were mailed to 1,917 commercial accounts and 26,398 residential accounts. The Recycling program continues to sponsor used oil and HHW ads on the local DMV's electronic information billboard, school assemblies on environmental education, and drives a van covered in relevant blue- and green-bin recycling information and hazardous waste disposal guidance.

Water Conservation Program Outreach & Implementation

The City's Landscape Workshops provide information about California-friendly plants and landscape designs that reduce water use and pesticide/fertilizer application. In FY 2022-23, the City hosted ten workshops in partnership with the San Diego County Water Authority. Participants developed a sustainable landscape plan specific to their property that implemented what they learned throughout the course and focused on retaining stormwater onsite. In addition, the City hosted nine Qualified Water Efficient Landscape (QWEL) trainings. QWEL participants are trained in efficient irrigation principles and sustainable landscaping practices.

Environmental Programs collaborates with neighboring water districts to coordinate outreach and educational efforts for customers to implement water conservation measures offered by the San Diego County Water Authority and Metropolitan Water District and use water more efficiently. The table below highlights the number of Escondido water customers participating in specific programs covering outdoor runoff and water use benefits. Nine Qualified Water Efficient Landscaper (QWEL) trainings were offered in FY 2022-23.

Table 4 – Water Conservation Program Summary

Water Conservation Program	Carlsbad WMA	San Dieguito WMA
WaterSmart Check-up	3	4
Residential Rain Barrels and Cisterns	2	4
Weather-Based Irrigation Controller	14	7
Weather-Based Irrigation Controller Large Landscape	0	3
Turf Replacements	25	5

City of Escondido FY 2022-23 JRMP Annual Report

Supplemental Information

Municipal Staff Training

City staff are vital in advocating for and monitoring water quality and pollution prevention. Municipal training continued as needed with field staff and technical support teams, whereby 376 municipal staff were educated. The City's New Employee Orientation program completed two trainings with a dedicated City stormwater informational session. Additionally, Environmental Programs included six messages in the City-wide Weekly Activity Report during FY 2022-23, distributed via email to all City staff and posted to the public City website.

Other Community Outreach & Participation

Environmental Programs brought several items to the City Council in FY 2022-23, each intended to educate City decision-makers about programs and invite public participation in decisions and reports about projects, contracting, and program implementation.

Below is a summary of relevant meetings where the public was welcome to comment and engage with City leaders about stormwater and pollution prevention programs.

Table 5 – City Council Meeting Summary

Date	Topic	Type	Description
September 21, 2022	Pollution Prevention Week	Proclamation	Proclamation of the City's commitment to pollution prevention programs
April 5, 2023	Earth Day Proclamation	Proclamation	Proclamation of the City's commitment to Earth Day
May 24, 2023	Water Awareness Poster Contests Awards	Proclamation and Presentation	Presentation of 4 th -grade water awareness poster contest awards

**City of Escondido
2024 Amendment to Jurisdictional Runoff Management Program**

The City of Escondido Jurisdictional Runoff Management Program (JRMP) was developed in accordance with requirements of the Regional Water Quality Control Board (RWQCB) and the San Diego Region Municipal Separate Storm Sewer System (MS4) Permit (Order No. R9-2013-0001, as amended). The most recent Escondido JRMP was adopted in January 2017. Since then, the City of Escondido has made changes to pollution prevention strategies, as reported in JRMP Annual Reports and Water Quality Improvement Plan (WQIP) Annual Reports for the Carlsbad and San Dieguito River Watershed Management Areas (WMAs). This cover certification and attached table amends the 2017 Escondido JRMP by providing an accumulative and concise summary of the City's updates to storm water pollution prevention programs. The provided list is not exhaustive and other changes to JRMP strategies may have occurred since the time of JRMP amendment or approval.

The JRMP is updated as required upon MS4 Permit re-issuance or amendment, as well as through adaptive management programs required through implementation of the WQIPs. JRMP strategies are also updated in accordance with developments in the storm water regulatory landscape. The following select orders and directives since January 2017 have affected changes in the priorities and implementation of JRMP strategies resulting in this JRMP amendment:

- June 2, 2017: RWQCB issued Order No. R9-2017-077 directing Escondido to submit technical reports and plans pertaining to the control of trash by December 3, 2018.
- April 6, 2018: The 2014-2016 California Clean Water Act 303(d) list was approved by the US EPA, and resulted in new listings relevant to Escondido Creek receiving waters.
- August 17, 2018: RWQCB delivered Over-Irrigation Prohibition Program Implementation Audit Summary based on an August 2016 review of outreach programs and JRMP documentation.
- October 18, 2019: RWQCB issued comment letters to San Dieguito and Carlsbad WMAs on FY 17-18 WQIP Annual Reports. The San Dieguito River WMA Responsible Agencies (RAs) engaged in a WQIP update and developed new goals and strategies to improve overall water quality conditions to address impairments of Lake Hodges Reservoir for nutrients.. Similarly the RAs in Carlsbad WMA prepared a WQIP Update to incorporate an assessment of bacteria data for Agua Hedionda Lagoon. The Regional Board accepted the 2021 San Dieguito WQIP Update in March 2021 and accepted the 2021 Carlsbad WQIP Update in December 2021.



Statement of Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Angela Morrow

Signature

Angela Morrow, P.E.

Name

January 8, 2024

Date

Interim Director of Utilities

Title

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
JRMP Chapter 1. Introduction				
Updates to 303(d) listings and WQIPs	Administrative BMPs/ Enforcement	N/A	<ul style="list-style-type: none"> •303(d) listings updated in 2018 and 2022 •HPWQC added for San Dieguito River Watershed Management Area - nutrient impairment of Hodges Reservoir •Carlsbad WQIP updated to incorporate bacteria assessment for Agua Hedionda Lagoon and other revisions 	17-18, 20-21,21-22
JRMP Chapter 2. Legal Authority				
Municipal Code Updates	Administrative BMPs/ Enforcement	ES-2	<ul style="list-style-type: none"> •Updates to the municipal code Ch.22: In addition to wastewater and sewer pretreatment language changes, references to Storm Water (BMP) Design Manual and JRMP were added to stormwater section for enforcement purposes •Ch. 22 updated Dec 15, 2021 with update to storm water maintenance agreements, irrigation runoff prohibition, and other clarifications 	17-18, 21-22
Update Municipal Water Efficient Landscape Ordinance	Administrative BMPs/ Enforcement	ES-7.6	<ul style="list-style-type: none"> •Encourage irrigation reduction and reduce water waste in the form of runoff from landscapes 	17-18
JRMP Chapter 3. Illicit Discharge Detection and Elimination (IDDE)				
Reduce human sources of bacteria and homelessness	Efforts to Address Homelessness	E-33	<ul style="list-style-type: none"> •Interdepartmental Quality of Life Working group was created to reduce numbers of unsheltered individuals •Regular encampment removal and clean up, as well as increased law enforcement patrols and citation •Grants acquired to provide outreach, homeless prevention and emergency shelter programs •Full time social worker hired to supplement outreach efforts •Strategy on Homelessness updated in Feb 2021. 	17-18, 18-19, 20-21
Water agency coordination on permitted discharges	IDDE Program	ES-16	<ul style="list-style-type: none"> •Worked with Utilities Water Division to update Emergency discharge Standard Operating Procedure •Large emergency discharges over 200,000 gallons are reported to Environmental Programs to confirm proper cleanup of downstream storm drains and reporting 	18-19

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
Emergency and non-emergency fire operations	IDDE Program	ES-16	<ul style="list-style-type: none"> Reviewed and updated internal procedures for non-emergency fire operations to engage with Environmental Programs prior to discharge Improve process for reporting large fires and ensuring standby resources available to protect storm drains or initiate clean up efforts 	19-20
Report It! & We Care Programs for reporting storm drain discharges and water violations	IDDE Program	ES 16.2	<ul style="list-style-type: none"> Report It! mobile application has been enhanced and replaced the "We Care" Program. Report It! is regularly promoted to City residents, businesses, and staff. 	17-18
Groundwater Source Identification Efforts	IDDE Program	ES-16	<ul style="list-style-type: none"> The City has collected isotope information for certain priority MS4 outfalls which may be used for groundwater source identification in the future The City has performed special studies of continuous flow monitoring on priority outfalls 	18-19, 20-21
Irrigation Runoff Enforcement	Irrigation Runoff Reduction	ES-16	<ul style="list-style-type: none"> Irrigation Runoff complaints and reports are routed directly to Environmental Compliance for commercial and industrial properties. Residential irrigation issues continue to be tracked by Environmental Programs with escalated enforcement as needed to achieve compliance. Municipal code updated in FY 21-22 to explicitly prohibit irrigation runoff. 	17-18, 21-22
JRMP Chapter 4. Development Planning				
Alternative Compliance Program	Implement Offsite Alternative Compliance Program	ES-22	<ul style="list-style-type: none"> The City is open to developer-proposed projects, but due to lack of developer demand the City is no longer working to develop an alternative compliance project or formal program. This strategy may be triggered in the future. 	17-18, 18-19, 20-21
Post-Construction Inventory and Prioritization	Structural BMP Inspections	ES-5	<ul style="list-style-type: none"> The City revised the prioritization process previously outlined in Chapter 4.4.4. in order to replace the flowchart shown in JRMP Figure 4-1 with a revised procedure that removes some unnecessary constraints in the flowchart. (Exhibit 2) 	20-21
Storm Water Design Manual	Development and Redevelopment Requirements	ES-4	<ul style="list-style-type: none"> The City submitted a proposed Storm Water (BMP) Design Manual update as part of the FY 20-21 Annual Report. The City received an approval letter in June 2022 and the final Manual was subsequently published on the City's website as an October 2022 update. The update includes revisions to the Regional Model BMP Design Manual in 2018 and 2019, and other feedback from Regional Water Quality Control Board staff. 	21-22, 22-23

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
JRMP Chapter 5. Construction Site Operations				
Construction Program	Construction Site Inspections	ES-6	<ul style="list-style-type: none"> • Expanded training and collaboration between city staff • Increased follow-ups and support from consultants to supplement staff if needed during rainy season • Required pre-construction meetings • Expanded enforcement actions • Broadened construction site outreach. Includes online resources and rainy season outreach letters. • Improvements to city's inspection and tracking program through use of Cityworks 	17-18, 18-19
Construction Discharge Notification Program	Construction Site Inspections, IDDE	ES-6.2	<ul style="list-style-type: none"> • Require construction sites to notify the city for planned discharges of storm water; review monitoring and discharge reporting for compliance. Website established for discharge reporting. 	20-21
JRMP Chapter 6. Municipal Operations				
General Inventory and Map Updates	Administrative BMPs	ES-12, ES-12.1	<ul style="list-style-type: none"> • Street Sweeping: GIS tools to optimize routes for drivers and create tracking mechanisms in Cityworks. Sweeping frequency decreased on certain routes. Initiated review of parking restrictions and took action on red-curbing for vector and sweeper access. New sweepers purchased in FY 20-21; sweeping maps to be updated by 2023. • Municipal Facilities: Inventory has been updated and is available upon request • MS4 outfall inventory update • (See submitted GIS layers) 	18-19, 20-21, 21-22
Trash Capture Devices	Implement Structural or Retrofit BMPs	ES-7.4	<ul style="list-style-type: none"> • City selected Track 1, which involves installation of trash capture devices throughout Priority Land Uses (PLUs). Significant effort to map PLUs and drainage areas. 	17-18, 18-19, 21-22
Corporate Yard Improvements	Program for Retrofitting Areas of Existing Development	ES-14	<ul style="list-style-type: none"> • Design of new vector dewatering facility and street sweeper cleaning station, along with drainage improvements, at the Corporate Yard associated with construction of the Membrane Filtration/Reverse Osmosis Recycled Water Facility started in FY19-20. • Project put on hold in FY 20-21 	19-20, 20-21
Recycled Water Program	Municipal Program	ES-26	<ul style="list-style-type: none"> • Implementation of a recycled water program • Includes irrigation inspections to eliminate over-irrigation and irrigation line breakages 	20-21

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
MS4 (and related structures) Operation and Maintenance	Municipal Program	ES-10	<ul style="list-style-type: none"> • System for inspection and cleaning prioritization based on cleaning data has been implemented • Two new trash booms were installed in Escondido and Reidy Creek flood control channels • In FY 22-23 began maintenance of 24 newly permitted sites under RGP 94 	18-19, 22-23
Corrugated Metal Pipe (CMP) Replacement and Repair	Corrugated Metal Pipe Replacement and Repair	ES-11 , ES-32	<ul style="list-style-type: none"> • The City initiated a significant effort in FY 17-28 to replacement and rehabilitation of old CMPs with more durable storm drain pipes, which will improve water quality and riparian habitat downstream. 	17-18
JRMP Chapter 7. Industrial and Commercial				
Commercial Agriculture Inspections	Commerical Agricultural Operation Inspection Program	ES-24, ES -25	<ul style="list-style-type: none"> • Updated Commercial inventory to ensure Agricultural Facilities enrolled in the Commercial Agricultural Order are included. • Reviewed inspection procedures and initiated outreach to Agricultural community. 	19-20
Updates to business licensing procedures and State Industrial General Permit (IGP) outreach	Commercial Inspection Program	ES-7	<ul style="list-style-type: none"> • Implementing business licensing through online portal, in coordination with multiple departments, to identify businesses needing to enroll in the IGP. Also performing more thorough environmental review at point of licencing. • Trained staff and developed website and outreach materials to support businesses needing to enroll in IGP 	18-19
High Priority Inspections of Food Service Establishments	Fat Oil & Grease Inspection Program	ES-7	<ul style="list-style-type: none"> • City performs joint FOG and Storm Water inspections of food service establishments at least once per year. A previously stated strategy to perform inspections twice a year was delayed then rejected, as the program is well above permit-required frequency for inventoried commercial establishments. 	17-18, 18-19, 19-20
JRMP Chapter 9. Retrofit and Stream Rehabilitation Programs				
Lake San Marcos - Country Club Redevelopment Project	Escondido Country Club Redevelopment and Runoff Treatment Project	N/A	<ul style="list-style-type: none"> • City negotiated with the Country Club redeveloper to accept 103 acres of offsite residential area treated through structural BMPs with nutrient sensitive design. 	18-19
Trash Enclosure Retrofits	Implement Structural or Retrofit BMPs	ES-7.4	<ul style="list-style-type: none"> • Updated trash enclosure guidelines in order to clarify municipal code requirements for new and redevelopment projects 	18-19

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
Escondido Creek Trail Improvements	Implement Structural or Retrofit BMPs	N/A	<ul style="list-style-type: none"> • City was awarded \$8.5 million grant to improve 4.5 miles of biking and walking path along Escondido Creek • Will provide new public access to riparian habitat in creek mitigation area and education of public 	19-20
Kit Carson Creek and Eagle Scout Lake Improvements	Implement Stream Restoration Activities	ES-27	<ul style="list-style-type: none"> • The Kit Carson Creek Restoration Vision Plan was completed in FY21-22 in an effort to assess and control upstream sediment sources. Identified future improvements may contribute to the reduction of bacteria loading. A bridge replacement project that includes protection of a recycled water line is in progress and seeking environmental permits. 	19-20, 20-21, 21-22
Reidy Creek Improvements	Implement Stream Restoration Activities	ES-25	<ul style="list-style-type: none"> • Development of long term management plan as a part of the City's Landscape Maintenance District Program • Improvement of habitat and through removal of non-native plants and unauthorized encampments • Trash capture devices upstream of the project area installed November 2021 	18-19, 19-20, 21-22
Kit Carson Park Wetland Mitigation Areas	Implement Stream Restoration Activities	ES-15	<ul style="list-style-type: none"> • Plan for a new 10.93-acre mitigation area with 3.25 acres of wetland habitat rehabilitation and enhancement in Kit Carson Park - to be implemented upon RGP Permit renewal (expected FY 2023-24) 	19-20

City of Escondido - 2024 Amendment to Jurisdictional Runoff Management Program				
Jurisdictional Runoff Management Program or Strategy	Carlsbad WQIP Strategy Name	San Dieguito WQIP Strategy Number	Description of Update to Strategy	Fiscal Year(s) Updated
JRMP Chapter 10. Education and Public Participation				
Website updates	General Education and Outreach	ES-18.3	<ul style="list-style-type: none"> • Website modernization- translatable in over 100 languages • Improved visibility of illicit discharge reporting options • New Page on Preventing Sewage Spill 	18-19, 22-23
Printed and online outreach	Enhanced Education Programs, Illicit Discharge Detection and Elimination Program, Irrigation Runoff Reduction	ES-18, ES-20	<ul style="list-style-type: none"> • Language changes made to Environmental Programs Website to emphasize over-irrigation prohibition • Creation of new web page to help visitors and Report It! users understand City requirements for water discharges • Educational brochures designed and updated in Spanish and English • "City of Escondido Water" Facebook page was replaced with the use of other City of Escondido social media accounts • Adaptation to outreach programs, as needed, related to COVID-19 social distancing restrictions 	18-19, 19-20, 20-21
Municipal Staff Training	Employee Training/Focused Training	ES-3	<ul style="list-style-type: none"> • Adaptation to outreach programs, as needed, related to COVID-19 social distancing restrictions • Resumed in-person new employee orientation program 	19-20, 20-21, 22-23
School Outreach & Education	Enhanced Education Programs	ES-18.5, ES-18.6	<ul style="list-style-type: none"> • School Partnership created with Nature Collective and the Escondido Union School District for 5th grade • Participation in Storm Water Pollution Prevention Plan Internship program • School outreach now includes virtual options, developed as an adaptation to distance-learning and COVID-19 restrictions. 	18-19, 20-21
Community Cleanups	Enhanced Education Programs	ES-18.5, ES-18.6	<ul style="list-style-type: none"> • We Clean Escondido program was put on hold due to the Covid-19 pandemic, and is now under review. Volunteer cleanups will be the responsibility of the City's new volunteer Coordinator in Community Services. 	20-21

RGP 94 - Permitted Channel Maintenance Sites

ID	Facility Name/ Location
E-01	2107 Pepper Tree Place; at Village Rd. (behind the address)
E-02	Nutmeg Street/ Fire Station 3 (main channel)
E-03	Nutmeg Street/ Fire Station 3 (east outlet)
E-04	El Norte Parkway: behind 340 W. El Norte Pkwy
E-05	Carrottwood Glen (north outlet); at Rock Springs Rd.
E-06	Carrottwood Glen (east outlet); at Rock Springs Rd.
E-07	Carrottwood Glen (South outlet); at Rock Springs Rd.
E-08	Lincoln Avenue; at Metcalf St.
E-09	Indian Wells Lined Channel; Escondido Ck to Mission Rd (lined portion)
E-10	Broadway Avenue/ Jesmond Dene Road; west of Broadway Ave
E-11	Reidy Creek Golf Course (north outlet); east of Broadway Ave.
E-12	Reidy Creek Golf Course (creek crossing); cart path
E-13	Reidy Creek Golf Course (South inlet); north of Rincon Ave
E-14	Rincon Avenue/ Conway Drive (upstream inlet)
E-15	Rincon Avenue/ Conway Drive (downstream outlet)
E-16	Reidy Creek North (north Outlet); South of Rincon Ave
E-17	Reidy Creek North (Stanley/ Broadway Ave inlet); north of Stanley Ave
E-18	Reidy Creek North (Stanley/ Broadway Ave outlet); South of Stanley Ave
E-19	Reidy Creek North (south inlet); east of Broadway Ave
E-20	Vista Avenue (north segment); west of Paradise St, north of Brava Pl
E-21	Vista Avenue (south segment); west of Paradise St, south of Brava Pl
E-22	815 Broadway Avenue; beside Quaile Creek Apt
E-23	Reidy Creek North (South reach); beside Forest Glen (lined portion)
E-24	Center City Parkway (CCP)/ Decatur Way
E-25	Center City Parkway/ Community Garden
E-26	Reidy Creek South; Escondido Creek to SR-78 (lined portion)
E-27	623 Escondido Boulevard; at Mission Ave
E-28	Trujillo Terrace (north segment); along La Honda Dr. (line portion)
E-29	Trujillo Terrace (south outlet); La Honda Dr South of Vintage Pl
E-30	Trujillo Terrace (south inlet); La Honda Dr btwn Vintage Pl & Campo Pl
E-31	Conway Channels; Rose St to Conway Dr
E-32	Conway Channels; El Norte Pkwy to Stanley Wy
E-33	Conway Channels; Stanley Wy to Kent Ave
E-34	Conway Channels; Kent Ave to North Ash St
E-35	Lake Wohlford Road; at Lake Wohlford Ct
E-36	Lake Wohlford Ct; at Lake Wohlford Rd
E-37	Escondido Creek Lined Channel; entire city (lined portion)
E-38	281 Wanek Road; at Albert Ct
E-39	Falconer Road; at Slivkoff Dr (street inlet)
E-40	Slivkoff Drive (east segment); at Falconer Rd (earthen channel)
E-41	Slivkoff Drive (west segment); at Falconer Rd (earthen channel)
E-42	Silverado Place; at Falconer Rd
E-43	121 Auburn Glen; at Bear Valley Pkwy
E-44	2209 East Valley Parkway; behind business
E-45	Grand Avenue; beside Grand Rose Apts

RGP 94 - Permitted Channel Maintenance Sites

ID	Facility Name/ Location
E-46	Mission Pools; 3rd Ave to S Spruce St (lined portion)
E-47	Fleetwood Street; at Redbark
<i>E-48</i>	<i>W 4th Avenue</i>
<i>E-49</i>	<i>W 5th and Pine</i>
<i>E-50</i>	<i>W 5th Avenue</i>
<i>E-51</i>	<i>800 W Valley</i>
<i>E-52</i>	<i>Rock Springs</i>
<i>E-53</i>	<i>Reidy Creek: Rincon to Pleasantwood</i>
<i>E-54</i>	<i>Reidy Creek- Morning View</i>
<i>E-55</i>	<i>HARRF</i>
<i>E-56</i>	<i>Mcleod Park</i>
<i>E-57</i>	<i>Bienvenido and Vista</i>
<i>E-58</i>	<i>Reidy Creek Golf Course</i>
<i>E-59</i>	<i>E. Side CCP and 13th</i>
<i>E-60</i>	<i>Oak Valley Lane</i>
<i>E-61</i>	<i>Viking Place</i>
<i>E-62</i>	<i>Reidy Creek- Lincoln Avenue</i>
H-01	1855 Naranja Street; at Vermont Ave (lined and unlined positions)
H-02	2035 Escondido Boulevard; behind address
<i>H-02 A</i>	<i>1840 S Centre City Pkwy (extension of exsiting site)</i>
H-03	Amparo Drive; at Juniper St
H-04	1937 Vermont Place; across from address
H-06	Center City Parkway/ Brotherton Road
H-07	235 Rorex Drive; at Nicolo Ct
H-08	Kit Carson Park (north outlet); Bear Valley Pkwy, south of school
H-09	Kit Carson Park (east channel); Bear Valley Pkwy at Mary Ln
H-10	Kit Carson Park (south outlet); Bear Valley Pkwy so. of San Pasqual Rd
H-11	Kit Carson Park (South driveway, culvert inlet); by baseball fields
H-12	Kit Carson Park (South Driveway, culvert outlet); by baseball fields
H-13	3680 Sunset Drive
<i>H-14</i>	<i>Miller Ave</i>
<i>H-15</i>	<i>Sierra Lane</i>
<i>H-16</i>	<i>Concerto and Beethoven</i>
<i>H-17</i>	<i>Bear Valley Pkwy</i>
<i>H-18</i>	<i>Kit Carson Bike Trail</i>
<i>H-19</i>	<i>Encino and Amparo</i>
<i>H-20</i>	<i>Sunset and Bear Valley</i>
<i>H-21</i>	<i>Via Rancho Pkwy and Sunset Drive</i>
SM-01	David Drive; end of cul-de-sac
SM-02	Golden Circle, behind 2090 Golden Cr
SM-03	Nutmeg Street/Country Club Lane
SM-04	Barham Drive; at Meyers Ave
<i>SM-05</i>	<i>Woodland Parkway</i>

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL FISCAL ANALYSIS
FY 2022-23
CITY OF ESCONDIDO
CARLSBAD WATERSHED**

Categories	Sub Categories	Costs
CAPITAL COSTS	None	\$105,041
OPERATIONS AND MAINTENANCE	None	\$1,057,503
OTHER EXPENDITURES	Monitoring Program	\$60,914
	Watershed Program	\$23,336
	Regional Program	\$40,548
STAFF RESOURCES	Program Development	\$82,097
	Program Implementation	\$634,692
	Enforcement	\$11,446
	TOTAL	\$2,015,576

Staff Resources

Necessary staff resources were allocated to meet municipal permit (R9-2013-0001, as amended) (Municipal Permit) requirements. Many of the permit requirements specific to various City departments (such as street sweeping, the responsibility of Public Works, or land development and grading permit review by Engineering Services) continue to be implemented by the relevant staff with input, as needed, from Environmental Programs (Stormwater) personnel.

Funding Sources

Funds allocated through the City's Wastewater Fund provides funding for Municipal Permit compliance. The legal restrictions on the use of these funds are those associated with a municipal utility fee. Sufficient funds were made available for compliance with the Municipal Permit during fiscal year 2022-23 and sufficient funds have been budgeted for fiscal year 2023-24.



CITY OF OCEANSIDE
WATER UTILITIES DEPARTMENT

STATEMENT OF CERTIFICATION

CITY OF OCEANSIDE

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM (JRMP)

FISCAL YEAR 2022-2023 ANNUAL REPORT

AND

DRAFT BMP DESIGN MANUAL – JANUARY 2024 UPDATE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations [40 CFR 122.22(d)].

Bronti Cash

Bronti Cash
Environmental Officer
City of Oceanside

1/31/2024

Date

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2022-2023**

I. COPERMITTEE INFORMATION			
Copermittee Name: City of Oceanside			
Copermittee Primary Contact Name: Justin Gamble			
Copermittee Primary Contact Information: ID 245793			
Address: 300 N COAST HWY			
City: OCEANSIDE	County: SAN DIEGO	State: CA	Zip: 92054
Telephone: 760-435-5093	Fax: 760-435-6193	Email: jgamble@oceansideca.org	
II. LEGAL AUTHORITY			
Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE			
Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board?		YES	<input type="checkbox"/>
		NO	<input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?		YES	<input type="checkbox"/>
		NO	<input checked="" type="checkbox"/>
IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM			
Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
Number of non-storm water discharges reported by the public	252		
Number of non-storm water discharges detected by Copermittee staff or contractors	140		
Number of non-storm water discharges investigated by the Copermittee	368		
Number of sources of non-storm water discharges identified	227		
Number of non-storm water discharges eliminated	225		
Number of sources of illicit discharges or connections identified	232		
Number of illicit discharges or connections eliminated	240		
Number of enforcement actions issued	180		
Number of escalated enforcement actions issued	25		
V. DEVELOPMENT PLANNING PROGRAM			
Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?		YES	<input checked="" type="checkbox"/>
		NO	<input type="checkbox"/>
Number of proposed development projects in review	102		
Number of Priority Development Projects in review	67		
Number of Priority Development Projects approved	16		
Number of approved Priority Development Projects exempt from any BMP requirements	0		
Number of approved Priority Development Projects allowed alternative compliance	0		
Number of Priority Development Projects granted occupancy	5		
Number of completed Priority Development Projects in inventory	212		
Number of high priority Priority Development Project structural BMP inspections	99		
Number of Priority Development Project structural BMP violations	17		
Number of enforcement actions issued	0		
Number of escalated enforcement actions issued	0		

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?

YES
NO

Number of construction sites in inventory	55
Number of active construction sites in inventory	54
Number of inactive construction sites in inventory	1
Number of construction sites closed/completed during reporting period	12
Number of construction site inspections	1639
Number of construction site violations	84
Number of enforcement actions issued	6
Number of escalated enforcement actions issued	4

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?

YES
NO

	Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory	153	1089	319	21
Number of existing development inspections	95	248	89	15
Number of follow-up inspections	9	34	11	1
Number of violations	0	5	3	0
Number of enforcement actions issued	0	2	2	0
Number of escalated enforcement actions issued	0	0	2	0

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?

YES
NO

Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?

YES
NO

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?

YES
NO

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Signature

JUSTIN GAMBLE

Print Name

760-435-5093

Telephone Number

12/12/2023

Date

ENVIRONMENTAL OFFICER

Title

JGAMBLE@OCEANSIDECA.ORG

Email

City of Oceanside

**Jurisdictional Runoff
Management Program**

Annual Report Fiscal Year 2022-2023
ID # 245793

Supplemental Attachment

INTRODUCTION

Information within this Attachment is intended to supplement data presented in the City of Oceanside's Jurisdictional Runoff Management Plan (JRMP) annual report form and the Water Quality Improvement Plan (WQIP) annual reports for the Carlsbad and San Luis Rey Watershed Management Areas for the 2022-2023 fiscal year reporting period (FY22-23). Each section below corresponds to the sections presented in the JRMP report template from Attachment D of Order No. R9-2013-0001 (Regional MS4 Permit, "Order"). The information presented herein provides context to the report information, including a brief description of the data sources and data compilation methods where needed. The City of Oceanside's summary of the required annual Fiscal Analysis can be found in Section IX of this document beginning on page 5.

Additional updates are provided herein to update the San Diego Regional Water Quality Control Board (SD-RWQCB) on relevant projects and compliance activities undertaken by the City of Oceanside in FY22-23 to comply with the Order and protect water quality in its jurisdiction.

I. COPERMITTEE INFORMATION

The required Copermittee contact information is presented on page 1 of the City's JRMP report form. No changes have been made for the FY22-23 reporting period.

II. LEGAL AUTHORITY

The City of Oceanside continued to establish and implement its legal authority within its jurisdiction to control pollutant discharges into and from the MS4 to comply with the Order during the FY22-23 reporting period. The City continued to actively enforce its ordinances, statutes and permits when necessary to ensure storm water quality and discharge control requirements are met. The Duly Authorized Representative has certified that the City of Oceanside maintains adequate legal authority, and a certifying signature is provided in Section X of the report form.

III. JURISDICTIONAL RUNOFF MANAGEMENT PLAN DOCUMENT UPDATE

During FY22-23, no updates were made to the City's Jurisdictional Runoff Management Plan document, nor were updates required by the SD-RWQCB. The City's JRMP document was last updated in 2022 as required under Provision F.2.a. of the Order. Future JRMP updates will reflect any programmatic changes required under the reissued Order and/or any updates required by SD-RWQCB. Updates will include implementation details as applicable for new regulations in effect at the time of adoption of the reissued Order.

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

During the FY22-23 reporting period, the City of Oceanside continued to implement its stormwater management program to aggressively pursue, detect and eliminate illegal discharges to its MS4 to comply with the Order. The City continued to implement its Enforcement Response Plan as needed.

In Section IV of the JRMP reporting form, the number of ICIDs eliminated is greater than those identified due to events where discharge sources were not found but were discontinued after enforcement actions were taken or without intervention. The data presented in this Section was compiled from various City departments/divisions to reflect the City's comprehensive effort to identify and eliminate non-stormwater and illicit discharges throughout the FY22-23 reporting period.

The data were summarized from the following sources:

- Discharges reported by the public through the City's Customer Care Center, [website reporting tool](#) (Urban Runoff Hotline) and referral cases from Cal-EPA.
- Discharges observed by City staff and contractors during storm water compliance inspections performed pursuant to Provisions E.3.e.(3), E.4.d., and E.5.c.
- Discharges identified through the City's Dry Weather MS4 Outfall Field Screening and Monitoring program, performed pursuant to Provisions D.2.b. and E.2.c-d.
- Discharges of potentially hazardous substances reported by the public and their associated responses by the City of Oceanside Fire Department and/or the County of San Diego Department of Environmental Health.

V. DEVELOPMENT PLANNING PROGRAM

Throughout FY22-23 the City of Oceanside continued to implement a development planning program that complies with the Order. For this reporting period, the City prepared an update to the BMP Design Manual in June 2023. The proposed changes to the BMP Design Manual relate to Chapter 4 Source Control and Site Design Requirements for all Development Projects and the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) issued Order No. R9-2017-0077 (Trash Order). The City is requiring private development and redevelopment projects to install and maintain full capture systems (FCS) for all storm drains on private property to meet the Trash Order regulatory requirements. The City will publish the updated BMP Design Manual and begin applying the requirements to projects after confirmation and acceptance from the San Diego Water Board. The current Manual (2022) is available on the City's website and the link to this page is listed on Project Clean Water www.projectcleanwater.org.

The data presented in Section V of the JRMP reporting form summarize the City's Priority Development Project (PDP) inventory tracking and BMP inspection program for FY22-

23. City staff continued to maintain the PDP inventory and implemented a verification and inspection program to confirm that all structural BMPs were designed, constructed and maintained per plan to remove pollutants in storm water to the Maximum Extent Practicable. The City made process improvements to the PDP program to increase efficiency for City staff and increase public awareness of the program. Requests for Structural Best Management Practice (SBMP) maintenance verification was sent to every high, medium, and low priority facility and online form was created so facility managers and owners could easily submit maintenance verification. This has increased the number of maintenance verification submissions submitted and the public's involvement with the program and their facility's SBMP(s). City staff also developed a scoring system to designate the priority for each facility in the PDP inventory. The scoring system considers the criteria required by the Order and standardized the process for more consistency between City staff assessments. All structural BMPs at high priority PDP facilities listed in the City's inventory were inspected prior to the 2022-2023 wet season (before October 1, 2023).

To clarify the reported number of Priority Development Project structural BMP violations in the JRMP annual report form, inventoried facilities may have more than one violation noted per inspection. For purposes of the JRMP reporting form, violations and enforcement actions are counted on a per-facility basis.

VI. CONSTRUCTION MANAGEMENT PROGRAM

The City of Oceanside continued to implement its construction management program in FY22-23 to comply with the Order. Activities included review of submitted grading, erosion control and storm water pollution prevention plans (SWPPPs), field verification of installed sediment and erosion control BMPs and confirmation of coverage under the Statewide Construction General Permit (CGP, Order No. 2009-0009-DWQ, as amended by Order No. 2012-0006-DWQ) if applicable. City inspectors completed compliance inspections at inventoried construction sites to ensure responsible parties implemented all required erosion and sediment control BMPs year-round and throughout the construction process. During inspections, staff take observations to detect the presence of and/or potential for unauthorized non-storm water discharges and ensure ongoing compliance with the City's local grading ordinance and the Statewide Construction General Permit.

Engineering Construction inspectors within the Engineering Division (Development Services Department) are tasked with completing all required storm water compliance inspections at inventoried construction sites. The City's Enforcement Response Plan is utilized in addressing storm violations at active construction sites. Mandatory pre-construction meetings between City staff and contractors place a major emphasis on storm water compliance. Contractors are advised that non-compliance with the City's ordinance for grading and urban runoff discharge control is strictly prohibited and could result escalated enforcement measures, including Notices of Violation and/or a Stop Work Notice. Contractors are also advised that any unresolved non-compliance with the

Statewide Construction General Permit and/or the Order will be promptly forwarded to SD-RWQCB staff after the City has exercised its Enforcement Response Plan to the fullest extent possible. No significant changes to inspection frequencies, inspection content or enforcement procedures were made in FY22-23.

The data presented in Section VI of the JRMP reporting form summarize the City's construction site inventory and inspection program activity for FY22-23. Significant enforcement actions in FY22-23 included the City's close coordination with SD-RWQCB staff on the Vista Pacific construction project. Serious recurring CGP violations in the 2021-2022 wet season resulted in an Administrative Civil Liability Order against the developer (Complaint No. R9-2023-0013) and a penalty of \$411,475.

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

The City of Oceanside continued to implement its existing development management program in FY22-23 to comply with the Order. The data presented in Section VII of the JRMP reporting form summarize the City's existing development facility inventory and inspection program activity for the reporting period. The inspection data include both initial and follow-up compliance inspections. Per the requirements of Provision E.5.c.(1)(iv), City staff completed onsite compliance inspections once every five years and annually performed over 20 percent of the facilities identified in its Existing Development facility inventory.

Residential inspection data was collected within the 21 residential management areas (RMAs) as defined in the City's JRMP document. Inspections were performed within the RMAs as needed during drive by inspections performed by City staff, Dry Weather MS4 Outfall Field Screening, and in response to public complaints filed through the City's Customer Care center and reporting application.

The number of violations pertaining to existing development inspections were determined as any instance where the City's Dry Weather MS4 Outfall Screening resulted in the creation of a Code Enforcement (CE) case and forwarded to City staff for further inspection. The number of enforcement actions were determined as any instance where the City issued an administrative warning or a letter of alleged violation based on the creation of a CE case or any observed discharge upon further inspection. The number of follow-up inspections were determined as any instance where City staff visited the site of a reported discharge.

For the current reporting year, City staff prioritized compliance inspections for all high priority municipal facilities and high priority private industrial facilities in its inventory. These inspections included facilities subject to the Statewide Industrial General Permit (Order 2014-0057-DWQ). Additionally, in compliance with SB-205, Business licenses: stormwater discharge compliance (2019), City staff conducted extensive outreach, inspection, and enforcement of required regulated industrial facilities to ensure applicable facilities enrolled in the Industrial Permit as required. The City's Watershed

Protection Program staff routinely assist municipal facility operators with BMP implementation, monitoring and reporting to comply with the Industrial General Permit. Additionally, Watershed Protection Program staff provide training to qualified City workers to self-inspect all municipal facilities that have the potential to contribute pollutants to the MS4 to ensure compliance with the Order.

The City of Oceanside continued to implement its online municipal employee training program for stormwater pollution prevention using an online certification platform called [Vector Solutions](#). The system is administered by the City's Human Resources Department and training is assigned annually to City field operations staff that conduct duties with a nexus to protecting water quality (e.g. MS4 and channel maintenance, pesticide/herbicide applications, fleet maintenance, water utilities maintenance, parks and public facilities maintenance). The employee listing is updated annually to ensure that all applicable field staff are aware of and trained in BMPs to prevent stormwater pollution associated with common municipal field operations.

VIII. PUBLIC EDUCATION AND PARTICIPATION

Throughout the FY22-23 reporting period the City of Oceanside continued to implement its public education and public participation components to comply with the Order. The Watershed Protection Program is a component of [Green Oceanside](#), the City's environmental programs division. Bridging disciplines of watershed protection, stormwater pollution prevention, solid waste management, recycling and water conservation, Green Oceanside hosts a variety of events to educate residents and businesses on storm water pollution prevention, water conservation, zero waste initiatives, clean energy and habitat restoration.

In FY22-23 the City of Oceanside conducted 14 outreach events as part of its collective Green Oceanside environmental programs group. Outreach events included water efficiency workshops, food waste, waste diversion, zero waste workshops, and cleanup events. Additional information can be found in the jurisdictional updates in the Water Quality Improvement Plan (WQIP) annual reports for the San Luis Rey and Carlsbad WMAs.

The City also created new educational stormwater brochures that focused on proper BMP implementation and pollution reduction in [residential](#) areas and [agricultural](#) businesses, as well as a brochure for proper [structural BMP maintenance](#). These brochures can be found on the City's Watershed Protection Program website. In FY22-23, Green Oceanside staff created new outreach materials specific to environmental protection for food service establishments (restaurants). These include brochures, posters, a new website and an educational video in English and Spanish to provide additional guidance on solid waste, FOG, and stormwater requirements. These materials will be rolled out to all Oceanside food service establishments with a Kitchen Wastewater Discharge Permit (FOG Permit) beginning in FY23-24.

IX. FISCAL ANALYSIS

A summary of the City's annual Fiscal Analysis performed pursuant to Provision E.8.b-c. of the Order and as required by 40 CFR 122.26(d)(2)(iv,v) and 40 CFR 122.42(c)(5) is included herein. The Fiscal Analysis includes the City's expenditures to implement its jurisdictional programs to comply with the Order and also includes annual costs for cooperative regional and watershed-based programs.

Program Funding

The City of Oceanside secures funding for the implementation of its JRMP and stormwater pollution prevention programs through the Water Utilities and Public Works Departments, and Engineering Division (Development Services Department). Operations funding originates both through the City's general and enterprise fund mechanisms such as development fees and water/sewer utility billing.

Administration of the City's Watershed Protection Program, which oversees the City's compliance with the Order, is funded through the Water Utilities Department via a surcharge on active water meter accounts. The surcharge is based on the customer's water consumption and is therefore designed as an incentive for individuals to conserve water. This amount is equal to \$0.25 per unit of water used. Total revenue for FY22-23 generated though the surcharge fee was \$1,202,160.26. The City continues to aggressively pursue grant funding for projects that promote stormwater quality improvement, implement habitat restoration and achieve the water quality improvement goals of the Carlsbad and San Luis Rey WQIPs. While no new environmental grants were awarded in FY22-23, a grant agreement with the Ocean Protection Council was executed in April 2023 for a \$1,011,391 award for construction of the Loma Alta Slough Wetlands Enhancement Project.

The City Engineering Division secures funding from development-related programs. The Engineering Division receives funding through fees and/or deposits assessed on developers for grading plan checks and inspections and water quality plan checks and inspections.

Funding for Public Works tasks related to water quality protection, including channel maintenance and storm drain inlet cleaning are obtained by Flood Control Fees and a revenue transfer from water sales. Water Utilities enterprise funds are used to fund Code Enforcement services related to stormwater compliance and a portion of the Solid Waste management program. Fund revenues under the Solid Waste enterprise fund totaled \$4,472,291 in FY22-23. Street Sweeping operations are funded by the City's General Fund. In 2018, Oceanside voters approved a seven-year, half-cent sales tax increase (Measure X) to raise funds for public safety, infrastructure upgrades and social services to address homelessness. In FY22-23 approximately \$900,000 was budgeted for homeless outreach services including administration of the City's Homeless Outreach Team and housing support services. Weekly homeless encampment cleanup efforts

administered by the Code Enforcement division were funded through multiple sources, including a portion of Solid Waste enterprise funds.

Program Staffing

While the Watershed Protection Program generally oversees compliance and reporting under the Order, implementation of the City's JRMP and stormwater protection activities is carried out by multiple City Departments and Divisions. In FY22-23, each Department ensured that adequate staffing was retained to carry out the requirements of the Order. An approximation of FTE staff for each Department responsible for implementation of the Order are included below.

Table 1. Staffing assignments for stormwater compliance activities FY22-23

Department	Division	Responsibility	FTE Staff
Water Utilities	Watershed Protection	Inspections, Monitoring, Reporting	4
Development Services	Engineering	Inspections (Construction)	4
Development Services	Engineering	SWMP Review	3
Development Services	Code Enforcement	Stormwater Enforcement & Homeless Outreach	3
Public Works	Streets & Flood Control	Drainage Maintenance	5
Public Works	Street Sweeping	Street Sweeping	5

*This table only includes assigned FTE City staff in FY22-23 and does not reflect additional contractor/part-time staff employed by each Department.

Fiscal Analysis Methodology

For the FY22-23 period, reported costs were calculated in a similar manner as reported in previous years. Cost totals include but are not limited to fleet and equipment expenses, information technology, solid waste and sanitary sewer collections programs, homeless encampment abatement, consultant contracts related to JRMP/Order requirements, and fully loaded costs for staff assigned to storm water, solid waste, engineering and code enforcement components. These expenditures are included as each program directly contributes a benefit to preventing illegal discharges of pollutants to the MS4, protection of water quality and the City's cumulative compliance with the Order.

The expenditure summary in Table 2 below reflects the City's best estimates of the monetary cost of compliance at the time of reporting. Four primary data sources are used in determining cost estimates:

- [City of Oceanside FY22-23 Adopted Budget](#)
- [City of Oceanside FY22-23 Consolidated Fee Schedule](#)
- [City of Oceanside FY22-23 Comprehensive Annual Financial Report](#)
- Internal budget tracking database reflecting FY22-23 year-end expenditures

- For FY22-23 expenditures, when a definitive cost allocation could not be reasonably estimated, the 2022-2023 Consumer Price Index Inflation rate¹ was applied to the previous year's expense amount.

Table 2. City of Oceanside Stormwater Expenditure Summary – FY22-23

Category	FY22-23 Expense
Administration	\$750,921
Development Planning	\$1,141,099
Construction	\$688,314
Municipal	\$11,169,957
Industrial & Commercial	\$410,771
Residential, Education & Public Participation	\$134,901
Illicit Discharge Detection & Elimination	\$257,026
Special Investigations	\$190,668
Watershed	\$332,354
Regional	\$51,584
Total	\$15,127,594

X. CERTIFICATION

The City of Oceanside JRMP Annual Report form has been certified by the City's Duly Authorized Representative as noted in Section I. of this Attachment. Please see page 2 of the report form for signature.

XI. PROGRAMMATIC UPDATES FOR THE FY22-23 REPORTING PERIOD

Multi-Benefit Habitat Restoration Projects

During the FY22-23 reporting period, the City made significant progress with identifying, planning and implementing multiple watershed and habitat restoration opportunities in the Carlsbad WMA. These projects are intended to create, restore and enhance ecological value across a variety of natural communities to benefit not only wildlife and water quality, but equitable access to outdoor recreation and education as well. A brief summary of progress on these projects is provided below. Additional details can be found in the

¹ CPI inflation rates were calculated using the U.S. Bureau of Labor Statistics online inflation calculator for the period of July 1, 2021 to July 1, 2022. https://www.bls.gov/data/inflation_calculator.htm

jurisdictional and hydrological subarea strategy sections of the FY22-23 Carlsbad WMA Water Quality Improvement Plan annual report.

- Loma Alta Slough Wetlands Enhancement Project

In FY22-23, substantial progress was made in readying the project for construction. The following was achieved in the FY22-23 reporting period:

- Progressed engineering design to 100% draft Construction Documents
- Obtained approval of the project's Development Plan by the City of Oceanside Planning Commission, completing the entitlement process
- Obtained City approval for the project's FEMA study
- Obtained critical resource agency permits, including authorization for a Coastal Development Permit from the Coastal Commission, a final Lake & Streambed Alteration Agreement (LSA) with California Department of Fish & Wildlife, and a 401 Water Quality Certification from SD-RWQCB
- Executed a grant agreement with the Ocean Protection Council for \$1,011,391 to fund Phase 1 construction costs and remaining pre-construction administrative costs

- Garrison Creek Native Habitat Restoration Project

The City is implementing an invasive species control and riparian/coastal sage scrub restoration project at Garrison Creek, a tributary of Loma Alta Creek, as a Supplemental Environmental Project (SEP) to comply with a settlement order with the SD-RWQCB. During FY22-23, the City worked with its restoration partners, the Nature Collective and Friends of El Corazon, to conduct multiple invasive species treatments, installation of restoration irrigation, native plants, and broadcast seeding. The project is currently in its final year of monitoring and has achieved the success criteria for native habitat establishment and invasive control. A final report will be submitted to SD-RWQCB in January 2024.

- Buena Vista Creek Stewardship and Restoration Planning Project

During FY22-23 reporting period, the City's consultant drafted a conceptual restoration design that includes restoration and enhancement efforts as well as proposed recreational/interpretative features for the public. During the next reporting period, Dudek will prepare construction documents (30%, 60%, 90%, and 100%) as well as coordinate pre-application meetings with regulatory agencies for CEQA.

Compliance with Notice of Violation No. R9-2021-0218 (September 2021)

On October 28, 2021 the City received Notice of Violation (NOV) No. R9-2021-0218 related to failures to implement Provision E.5.b.1.(d) of the Order, related to BMP

implementation to prohibit non-stormwater discharges associated with the application of pesticides and herbicides. The NOV specifically required the City to implement specific corrective actions and report information in the 2020-2021 JRMP annual report. Corrective actions included implementing an annual water quality protection training for City staff qualified to apply herbicides and determining if a 401 Water Quality Certification is required for any channel maintenance activities that may disturb, impede and/or impact Waters of the State.

In FY22-23, all six Public Works staff with Qualified Applicator Licenses issued by the State's Department of Pesticide Regulation completed the online training course. Details on the course can be found in the City's previous FY20-21 and FY21-22 JRMP Annual Report Supplemental Attachments. The Public Works Department is working to allocate budget required for initiating the 401 Certification process, which will include an environmental impacts analysis compliant with the California Environmental Quality Act (CEQA), development of mitigation measures and a monitoring plan and potentially other related permits such as an Army Corps of Engineers 404 Regional General Permit and/or Lake and Streambed Alteration Agreement with the California Department of Fish & Wildlife.

As the prior NOV response requirements have been satisfied through the previous JRMP Annual Reports, the City does not anticipate providing these updates in perpetuity in future reporting cycles. The corrective actions related to water quality protection during pesticide/herbicide application will remain in place as standard procedure and SD-RWQCB staff may inquire on these procedures on an as-need basis.

ATTACHMENT 1

City of Oceanside

Best Management Practices (BMP) Design Manual - Chapter 4

January 2024 Update

4.4 Trash Capture BMPs

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) issued Order No. R9-2017-0077 (Trash Order) to owners and operators of Phase 1 municipal separate storm sewer systems (MS4s) throughout the State. The Trash Order prohibits the discharge of trash into surface waters within the City's jurisdiction. In order to meet this regulatory requirement, MS4 permittees including the City, are required to capture trash in discharges to ocean waters, inland surface waters, enclosed bays and estuaries in the City to protect water quality.

The City of Oceanside has selected the Track 1 Implementation Plan which focuses on installation, operation and maintenance of Full Capture Systems (FCS) within public MS4 storm drains conveying runoff from Priority Land Uses in its jurisdiction. In addition to installing FCS in public storm drains, the City requires private development and redevelopment projects to install and maintain FCS for all storm drains on private property to meet these new regulatory requirements.

The City's Track 1 Implementation Plan will be included in the City's JRMP once it has been incorporated in the MS4 Permit, and will be posted on the City's website at that time.

4.4 Requirements

For projects subject to the requirements of this section, all areas within the project's property boundary are subject trash capture including DMAs excluded from DCV calculations as discussed in Section 5.2. If the city's right-of-way adjacent to a self-mitigating area, as demonstrated in Figure 5-1, contains sufficient BMPs for trash capture per the City's Trash Capture Program, the self-mitigating area may be excluded from trash capture requirements subject to discretion of the City Engineer. For specific design requirements and documentation, see Appendix J.

4.4.1 Applicable Projects

The Trash Order provide the framework for a Priority Land Use (PLU)-based compliance approach in NPDES storm water discharge permits, waste discharge requirements, and waivers of waste discharge requirements for the City. The PLU-based approach is designed to target trash capture BMPs within areas of high trash generation rates as identified by the San Diego Water Board.

All development projects defined as a PLU are subject to the Trash Capture requirements. PLUs are identified by the Trash Order as follows:

- High density residential (greater than or equal to 10 dwelling units/acre);
- Industrial land uses involving manufacturing, storage or distribution;
- Commercial land uses involving the sale or transfer of goods or services to consumers;
- Mixed urban land uses that include a combination of two or more previously mentioned Priority Areas; and
- Public transportation stations such as bus stations and stops.

To determine whether a project is located in a PLU and is subject to Trash Capture BMPs, see the city's GIS viewer: <https://www.ci.oceanside.ca.us/residents/city-services/city-gis-maps>

Projects subject to trash capture BMP requirements are required to install and maintain full trash capture BMPs certified by the State Water Resources Control Board.

4.4.2 Types of Trash Capture BMPs

For an approved list of Trash Capture devices and BMPs, see the California Water Board website for the Certified Full Capture System List of Trash Treatment Control Devices and Certified Trash Full Capture Systems List of Multi-Benefit Treatment Systems.

Visit: https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html

Based on Regional Board feedback, trash capture BMP certification is subject to change. Designers must verify that proposed BMPs are certified at the time of the City's project approval and provide alternatives if certification of the proposed BMP is no longer certified. A list of decertified FCS are included at the above webpage.

4.5 Trash Capture Sizing Criteria

Development projects subject to the Trash Amendment requirements must capture all trash greater than 5 millimeters in size and at a minimum size the Trash Capture BMPs for a 1-year 1-hour storm event, or designed to carry the same flows as the storm drain system.

4.5.1 Design Flow Rate

The selected trash capture device design shall be based on the manufacturer's device specification and must demonstrate that it has the capacity for a minimum one-year, one-hour design flow rate. The following hydrologic method shall be used to calculate the flow rate to be filtered or treated by the trash capture device:

$$Q = C \times i \times A$$

Where:

Q = Design flow rate in cubic feet per second

C = Runoff factor, area-weighted estimate using Table B.1-1.

i = Rainfall intensity in inches per hour. (Default value, $i = 0.471$ in/hr; typical range 0.419 to 0.475 in/hr in the City of Oceanside)

A = Tributary area (acres) which includes the total drainage area draining to the trash capture BMP, including any offsite or onsite areas that comingle with project runoff and drain to the trash capture BMP.

When calculating for design flow rate, use the National Oceanic and Atmospheric Administration (NOAA) National Weather Service's Precipitation Frequency Data Server for rainfall intensity values. Projects may use the conservative default rainfall intensity indicated above which is based on the one-year, one-hour storm event at Oceanside Pumping Plant (Latitude: 33.2103, Longitude: -117.3536). If the engineer chooses to utilize a 1 hour, 1 year rainfall intensity in closer proximity to the project location, supporting documentation for the value selected must be included in the SWQMP (a NOAA Map with the project location and the corresponding tables are sufficient information to meet this criterion).

4.5.2 Location of Trash Capture Devices

Trash Capture Devices shall be placed on private property in a location that allows ease of access for routine cleaning, maintenance and repairs by the responsible party

If a trash capture device is proposed within any public storm drain facility it will require approval from the City Engineer. The engineer of work will need to demonstrate, via the SWQMP, that all runoff coming from the subject property and all off-site contributing drainage area is directed to the public storm drain facility with the proposed trash capture device. The SWQMP shall also document the drainage area of the public storm drain system that is impacted by the proposed trash capture device.

4.5.3 Design Considerations for Trash Capture Devices

Projects addressing trash capture requirements shall install only devices certified by the California Water Board as full capture systems. Trash capture BMPs must not interfere with any other volume based or flow based pollutant or flow control BMPs associated with the project.

4.6 Operation and Maintenance Requirements

Trash Capture BMPs must be routinely inspected and maintained throughout the operational life of the BMP. See Chapter 7 of this Manual for detailed Operation and Maintenance (O&M) requirements. These requirements apply to all structural BMPs, including Trash Capture BMPs.

4.6.1 Maintenance of Trash Capture Devices

Trash capture devices include any device listed in the California Water Board's certified list of Trash Capture Devices and BMPs. Maintenance shall be performed based on the indicators and frequency prescribed by the manufacturer. All manufacturer recommended maintenance information must be included in the projects O&M Plan.

Trash screen evaluation

When assessing maintenance indicators on screen-based trash capture BMPs (e.g. connector pipe screens and grate inlet filters), evaluation of debris accumulation and outlet obstruction must consider the open area of the screen at time of inspection. Observations of existing connector pipe screen BMPs have demonstrated that often the amount of debris accumulated within the catch basin or manhole does not trigger the manufacturers' recommendation for maintenance, but the screen has accumulated a thin film of scum and debris resulting in reduced capacity. Generally, the manufacturers' recommendation for when maintenance is required for volume captured in a catch basin should be applied to the area of the screen as well. Example: if the manufacturer recommends cleaning out the catch basin when 40% of the volume is occupied by sediment or debris, assess the screen for at least 40% open area. If more than 40% of the screen is clogged maintenance should occur prior to the next forecast storm event.

4.7 Submittal requirements

Projects installing trash capture BMPs that are either PDPs or Standard Projects are required to submit the documentation as detailed in Chapter 8 of this manual. Trash capture BMPs must be included as structural BMPs in the SWQMP, on grading plans, O&M Plans, and Stormwater Facility Maintenance Agreements.

All PDPs are subject to implement trash capture requirements. Permanent water quality treatment BMPs that are flow-based, may be sized for the 1-year, 1-hour storm event average intensity to meet both pollutant control and the State's trash capture requirements. Permanent water quality treatment BMPs that are volume-based such as bioretention basins (INF-2), have 2 options for design: (a) design pre-treatment trash devices so that all inflow is treated to comply with the 1-year, 1-hour intensity criteria, or (b) design the outlet structure of the BMP such that the long-term amount of flow by-passing any trash-capture device included in its outlet structure is equal or smaller than the long-term amount of flow by-passing an equivalent flow-based treatment device designed with the 1-year, 1-hour intensity. This equivalence can be demonstrated via continuous simulation. For example, if a flow-based device designed with the 1-hr, 1-yr criteria by-passes 2% of the total runoff, then an amount equivalent to 2% or less of the runoff entering the basin can by-pass any trash device installed on it. The x% allowable by-pass runoff (2% on this example) should be measured as a function of the inflow runoff and not of the outflow runoff as standard trash devices do not reduce runoff volume. If a PDP is proposing a trash capture device for purposes of pretreatment or in drainage management areas (DMAs) not subject to storm water pollutant-control (i.e. self-mitigating DMAs), then the trash capture device design shall follow the requirements stated in this section. In all cases, design of a multi-benefit system must

comply with the latest published California Water Board Guidance on Certified Multi-Benefit Trash Full Capture Systems.

Projects required to install trash capture devices that are NOT subject to PDP or Standard project requirements will submit a Standard Project SWQMP documenting compliance with the trash capture requirements.

Owners of installed trash capture BMPs will be required to complete annual maintenance verification consistent with the structural BMP maintenance verification program. See chapter 7.4 for more information.

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2023**

I. COPERMITTEE INFORMATION

Copermittee Name: City of San Marcos			
Copermittee Primary Contact Name: Reed Thornberry, Watershed Program Manager			
Copermittee Primary Contact Information:			
Address: 1 Civic Center Drive			
City: San Marcos	County: San Diego	State: CA	Zip: 92069
Telephone: 760-744-1050 x3217	Fax: NA	Email: rthornberry@san-marcos.net	

II. LEGAL AUTHORITY

Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?	YES <input type="checkbox"/>	NO <input type="checkbox"/>

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
---	---	-----------------------------

Number of non-storm water discharges reported by the public	40
Number of non-storm water discharges detected by Copermittee staff or contractors	134
Number of non-storm water discharges investigated by the Copermittee	176
Number of sources of non-storm water discharges identified	172
Number of non-storm water discharges eliminated	162
Number of sources of illicit discharges or connections identified	160
Number of illicit discharges or connections eliminated	149
Number of enforcement actions issued	29
Number of escalated enforcement actions issued	17

V. DEVELOPMENT PLANNING PROGRAM

Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

Number of proposed development projects in review	36
Number of Priority Development Projects in review	22
Number of Priority Development Projects approved	8
Number of approved Priority Development Projects exempt from any BMP requirements	0
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	7

Number of completed Priority Development Projects in inventory	145
Number of high priority Priority Development Project structural BMP inspections	24
Number of Priority Development Project structural BMP violations	0
Number of enforcement actions issued	0
Number of escalated enforcement actions issued	0

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2023**

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>
	NO	<input type="checkbox"/>

Number of construction sites in inventory	28
Number of active construction sites in inventory	28
Number of inactive construction sites in inventory	0
Number of construction sites closed/completed during reporting period	7
Number of construction site inspections	474
Number of construction site violations	43
Number of enforcement actions issued	13
Number of escalated enforcement actions issued	12

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>
	NO	<input type="checkbox"/>

	Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory	41	1100	246	10 Areas
Number of existing development inspections	41	177	31	77
Number of follow-up inspections	3	24	11	91
Number of violations	28	24	11	56
Number of enforcement actions issued	0	0	0	17
Number of escalated enforcement actions issued	0	0	0	5

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>
	NO	<input type="checkbox"/>

Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>
	NO	<input type="checkbox"/>

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/>
	NO	<input type="checkbox"/>

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Digitally signed by Isaac
Etchamendy
Date: 2024.01.25 16:53:37-08'00'

January 25, 2024

Signature

Isaac Etchamendy

Date

Director of Development Services/City Engineer

Print Name

760-744-1050 x 3273

Title

rthornberry@san-marcos.net

Telephone Number

Email



**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM ANNUAL REPORT
EXPLANATION PAGE – FISCAL YEAR 2022-23**

SECTION V. DEVELOPMENT PLANNING – BMP DESIGN MANUAL UPDATE

The City of San Marcos updated its BMP Design Manual in February 2023. The main updates include the incorporation of the guidance and framework of the 2018 Model BMP Design Manual, which includes the most recent edits completed in February 2020. The City's updated BMP Design manual is available at: [Development Planning | San Marcos, CA \(san-marcos.net\)](#).

SECTION VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM – FY22 INVENTORY UPDATE

For the FY22 JRMP Annual Report, it was reported that the inventory for commercial and industrial facilities was 353 and 76, respectively. Upon further analysis, those reported numbers are incorrect. The correct inventory numbers for the FY22 reporting period are 982 commercial and 217 industrial facilities.

FISCAL ANALYSIS SUMMARY

Attached to this document is the City's fiscal analysis summary. Please note that the fiscal analysis provided only represents approved funding directly for the City's Watershed Program. This analysis does not provide a summary of funding for programs related to Watershed programs such as street sweeping, MS4 cleanings, etc. Separate City departments manage these programs, but coordinate closely with the Watershed program.



ATTACHMENT 1 – FISCAL ANALYSIS SUMMARY

DEVELOPMENT SERVICES/WATERSHED PROGRAM MANAGEMENT - #104003

Expenditure Detail

Account Number/Name		FY 2022-23 Budget Detail	Department Requested	FY 2022-23 Budget	City Manager Recommended	City Council Approved
511000	Salary & Wages (Full-Time)	\$ 323,682	\$ 323,682	\$ 323,682	\$ 323,682	\$ 323,682
511100	Salary & Wages (Part-Time)	35,780	35,780	35,780	35,780	35,780
512000	Social Security	11,972	11,972	11,972	11,972	11,972
512001	Medicare	2,800	2,800	2,800	2,800	2,800
512004	Health Insurance	22,545	22,545	22,545	22,545	22,545
512010	PERS	9,931	9,931	9,931	9,931	9,931
512013	EBAP	6,300	6,300	6,300	6,300	6,300
521001	Consulting Services MS4 Permit Program Implementation	255,000	255,000	255,000	255,000	255,000
531010	Small Tools Calibration Gas, Testing Kits, Monitoring Equipment, Etc.	1,597	1,597	1,597	1,597	1,597
531020	Uniform Expense Boots	464	464	464	464	464
542005	Safety Equipment Wet Weather Gear	309	309	309	309	309
581000	Travel & Training Travel & Training	7,643	7,643	7,643	7,643	7,643
581011	Recycling Expenditures Used Oil Recycling Grant	11,420	11,420	11,420	11,420	11,420
581028	NPDES Programs SWRCB Annual Aquatic Pesticide Permit Fee SWRCB General Industrial Permit Fee - Bradley Park WQIP Monitoring Program Cost Share Education Programs CWMA WQIP Coordinator SWRCB Annual Discharge Fee - Bradley Park SWRCB Annual Discharge Fee - MS4 State Board of Equalization - Discovery Lake Carlsbad Watershed Monitoring Program Regional MOU Cost Share SWRCB Annual Fireworks Permit Fee - Bradley Park	3,399 1,854 43,260 5,150 23,186 63,860 37,080 314 30,383 22,075 3,399	233,960	233,960	233,960	233,960
Totals		\$ 923,403	\$ 923,403	\$ 923,403	\$ 923,403	\$ 923,403

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
CITY OF SOLANA BEACH – ANNUAL REPORT FORM
FY 2022-2023

I. COPERMITTEE INFORMATION

Copermittee Name: **City of Solana Beach – Carlsbad HU**

Copermittee Primary Contact Name: **Dan Goldberg**

Copermittee Primary Contact Information:

Address: **635 South Highway 101**

City: **Solana Beach**

County: **San Diego**

State: **CA**

Zip: **92075**

Telephone: **858-720-2470**

Fax:

Email: **dgoldberg@cosb.org**

II. LEGAL AUTHORITY

Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001? YES NO

A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority? YES NO

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board? YES NO

If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse? YES NO

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001? YES NO

Number of non-storm water discharges reported by the public	0
Number of non-storm water discharges detected by Copermittee staff or contractors	0
Number of non-storm water discharges investigated by the Copermittee	0
Number of sources of non-storm water discharges identified	0
Number of non-storm water discharges eliminated	0
Number of sources of illicit discharges or connections identified	0
Number of illicit discharges or connections eliminated	0
Number of enforcement actions issued	0
Number of escalated enforcement actions issued	0

V. DEVELOPMENT PLANNING PROGRAM

Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001? YES NO

Was an update to the BMP Design Manual required or recommended by the San Diego Water Board? YES NO

If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse? YES NO

Number of proposed development projects in review	8
Number of Priority Development Projects in review	0
Number of Priority Development Projects approved	0
Number of approved Priority Development Projects exempt from any BMP requirements	0
Number of approved Priority Development Projects allowed alternative compliance	0
Number of Priority Development Projects granted occupancy	0

Number of completed Priority Development Projects in inventory	3
Number of high priority Development Project structural BMP inspections	3
Number of Priority Development Project structural BMP violations	0
Number of enforcement actions issued	0
Number of escalated enforcement actions issued	0

FY 2022-2023

VI. CONSTRUCTION MANAGEMENT PROGRAM

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

Number of construction sites in inventory	6
Number of active construction sites in inventory	6
Number of inactive construction sites in inventory	0
Number of construction sites closed/completed during reporting period	0
Number of construction site inspections	24
Number of construction site violations	1
Number of enforcement actions issued	1
Number of escalated enforcement actions issued	0

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

	Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory ¹	0	10	0	2
Number of existing development inspections ²	0	60	0	12
Number of follow-up inspections	0	0	0	0
Number of violations	0	1	0	20
Number of enforcement actions issued	0	1	0	20
Number of escalated enforcement actions issued	0	0	0	0

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?

YES	<input checked="" type="checkbox"/>
NO	<input type="checkbox"/>

X. CERTIFICATION

I Principal Executive Officer Ranking Elected Official Duly Authorized Representative certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Signature

MOHAMMAD SAMMAK

Print Name

858-720-2470

Telephone Number



Date

City Engineer

Title

Msammak@cosb.org

Email

¹ The City of Solana Beach has two designated Residential Management Areas where a portion is within the Carlsbad Watershed.

² City-wide bimonthly patrol inspections were implemented during the reporting period.

1. FISCAL ANALYSIS

1.1 JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM IMPLEMENTATION

This section of the Jurisdictional Runoff Management Program (JRMP) Annual Report presents a fiscal analysis of the City's stormwater management programs. On May 8, 2013, the RWQCB adopted a revised Municipal Permit, Order No. R9-2013-0001 (as amended by Order Nos. R9-2015-0001 and R9-2015-0100) (MS4 Permit), requiring Copermittees to conduct an annual fiscal analysis (MS4 Permit Provision E.8.) of its jurisdictional runoff program.

On January 29, 2009, the San Diego Municipal Copermittees adopted the “Standardized Fiscal Method and Format,” which provides a model for the City of Solana Beach and other Copermittees to perform the fiscal analysis and annual reporting as required in the MS4 Permit. This methodology and reporting format proved to be an effective model for reporting on City expenditures. For consistency, the City of Solana Beach has continued to use the format for this reporting period FY 2022-2023. The City, however, recognizes the additional elements required to be included in the fiscal analysis as specified in Section E.8 of the MS4 Permit and has included those components in this year’s fiscal analysis report.

1.1.1 General Budget Information

The City of Solana Beach’s budget for FY 2022-2023 was presented to the Solana Beach City Council and approved at a public hearing on June 23, 2021 (Resolution 2021-092). The City’s NPDES program is primarily implemented by the Public Works Department’s Environmental Services. Environmental Services is responsible for the coordination of all storm water related tasks. The Public Works Department budget for the City of Solana Beach has the appropriate funds allocated to meet the requirements of the MS4 Permit, including any development, implementation, and enforcement activities required.

1.1.2 Fiscal Analysis Methods

The City of Solana Beach used the format and guidelines included in the Fiscal Analysis Method for reporting purposes; however, a few modifications were necessary given the City’s financial accounting methods. These adjustments are described in the subsections below.

1.1.3 Fiscal Analysis Methods and Results

The City’s Fiscal Year 2022-2023 jurisdictional (JRMP), watershed, and regional projected expenditures for implementing the MS4 Permit requirements totaled \$598,089. **Table 1-1** presents a breakdown of projected expenditures by category.

Table 1-1: Fiscal Year 2022-2023 Expenditure Summary by Program Component

Component Description	Fiscal Year 2022-2023 Projected Expenditures
Jurisdictional Component	
Administration	\$72,363
Development Planning	\$37,556
Construction	\$45,0941
Municipal (Including Non-Emergency Fire Flows)	\$197,146
Industrial and Commercial	\$27,541
Residential, Education, and Public Participation	\$39,263
IDDE	\$72,737
Jurisdictional Total	\$491,697
Watershed Component	
Carlsbad Watershed	\$30,133
San Dieguito Watershed	\$36,253
Watershed Total	\$66,386
Regional Component	
City of Solana Beach Copermittee Cost Share	\$40,006
Total Costs	\$598,089

1.1.4 JRMP Expenditures

The City of Solana Beach used the expenditure categories detailed in the Fiscal Analysis Method for jurisdictional reporting. However, due to the implementation overlap of some of the City's municipal permit components, it is difficult to separate individual component costs. As a result, the residential, education, and public participation expenditures are reported as one expenditure category. Additionally, since the City does not explicitly track expenditures by permit component for its budgeting purposes, in many cases, estimated percentages were used to allocate expenditures into the appropriate MS4 Permit component categories.

A total of \$491,697 was projected to be expended in Fiscal Year 2022-2023 to implement JRMP activities. An overview of the expenditures is described below.

Administration

Activities identified in this component represent labor and non-labor expenditures for materials, supplies, equipment, or tools that are not otherwise incorporated into other expenditure categories, general administrative functions (e.g., program planning, budgeting, staff supervision), and program assessment and reporting.

Development Planning

Activities identified in this component represent labor and non-labor expenditures related to issuance or oversight of permits or plans (e.g., permit counter support, plan checks, permit or application processing), and project planning and engineering (e.g., project design specifications, capital improvement projects).

Construction

Activities identified in this component represent labor and non-labor expenditures related to construction site inspections and enforcement.

Municipal

Activities identified in this component represent labor and non-labor expenditures related to maintenance inspections of streets, roads, and MS4 assets (e.g., catch basins, inlets, open channels), municipal facility inspections, street and parking lot sweeping, and municipal BMP implementation. Any costs associated with preparing for non-emergency fire-fighting flows are included in the municipal component.

Industrial and Commercial

Activities identified in this component represent labor and non-labor expenditures related to the evaluation and enforcement of program requirements at industrial and commercial sites or sources (e.g., routine inspections and complaint investigations).

Residential, Education, and Public Participation

Activities identified in these components represent labor and non-labor expenditures related to the investigation and enforcement of residential areas or activities, staffing outreach events, development and production of outreach materials, and any expenditures associated with waste collection and recycling (e.g., household hazardous waste, used oil).

Illicit Discharge Detection and Elimination (IDDE)

Activities identified in this component represent labor and non-labor expenditures related to the identification and elimination of illicit discharges or connections, enforcement of the City of Solana Beach's storm water ordinance, and monitoring efforts (e.g., dry weather monitoring, special investigations, field or sampling equipment, materials, and supplies).

1.1.5 Watershed Expenditures

The City of Solana Beach used the expenditure categories (e.g., administration, watershed activities, cost-share contribution) detailed in the Fiscal Analysis Method for watershed reporting. The watershed expenditures included in this report only capture the City of Solana Beach's expenditures and do not account for any expenditures disbursed by other Copermittees included in the watershed(s).

A total of \$66,386 was projected to be expended in Fiscal Year 2022-2023 to implement watershed activities. These budgeted monies primarily satisfy the implementation of planned

strategies as committed to in the Water Quality Improvement Plans (WQIP) for the Carlsbad and San Dieguito Watersheds.

1.1.6 Regional Expenditures

The City of Solana Beach used the expenditure categories (administration, cost-share contribution, regional activities, and others) detailed in the Fiscal Analysis Method for regional reporting. The regional expenditures included in this report only capture the City of Solana Beach's expenditures and do not account for any expenditure disbursed by other Copermittees in the region. A total of \$40,006 was projected to be expended in Fiscal Year 2022-2023 to implement regional activities and coordination.

1.1.7 Funding Sources

The City primarily finances its Storm Water Management Department via revenues from an NPDES solid waste fee initiated in 2004. The City went through a long, arduous process to establish a long-term funding source to ensure the program would be sufficiently financed from 2004 through 2007. The City was sued by the Howard Jarvis Taxpayer's Association (HJTA), and the fee was put to a vote of the community. In September 2007, property owners in Solana Beach voted in favor of the fee, which ultimately resulted in the City establishing a funding source to maintain, enhance, and ensure the long-term future of the NPDES program at the City. The NPDES fee is to be used exclusively for the mandated NPDES Permit programs. For more information on the City's NPDES Solid Waste Fee, please visit the City's website at <http://www.cityofsolanabeach.org>.

The City also utilizes the General Fund to support some elements of the City's NPDES program. The General Fund is supported by major revenue sources, including property tax, the local portion of the sales tax and use tax, and transient occupancy tax.

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM – City of Vista, Carlsbad WMA
ANNUAL REPORT FORM**

FY 2022-23

I. COPERMITTEE INFORMATION		
Copermittee Name: City of Vista, CW-270704, WDID 9 000510S17		
Copermittee Primary Contact Name: Ken Knatz, Sewer Engineering Division Manager		
Copermittee Primary Contact Information:		
Address: 200 Civic Center Drive		
City: Vista	County: San Diego	State: CA Zip: 92084
Telephone: 760-643-5416	Fax: 760-639-6112	Email: kknatz@cityofvista.com
II. LEGAL AUTHORITY		
Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE		
Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board? <i>NOTE: Voluntary JRMP document update completed.</i>		
		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM		
Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Number of non-storm water discharges reported by the public	50	
Number of non-storm water discharges detected by Copermittee staff or contractors	75	
Number of non-storm water discharges investigated by the Copermittee	125	
Number of sources of non-storm water discharges identified	109	
Number of non-storm water discharges eliminated	106	
Number of sources of illicit discharges or connections identified	109	
Number of illicit discharges or connections eliminated	106	
Number of enforcement actions issued	96	
Number of escalated enforcement actions issued	8	
V. DEVELOPMENT PLANNING PROGRAM		
Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?		
		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Number of proposed development projects in review	34	
Number of Priority Development Projects in review	17	
Number of Priority Development Projects approved	10	
Number of approved Priority Development Projects exempt from any BMP requirements	0	
Number of approved Priority Development Projects allowed alternative compliance	0	
Number of Priority Development Projects granted occupancy	5	
Number of completed Priority Development Projects in inventory	179	
Number of high priority Priority Development Project structural BMP inspections	402	
Number of Priority Development Project structural BMP violations	128	
Number of enforcement actions issued	39	
Number of escalated enforcement actions issued	0	

FY 2022-23**VI. CONSTRUCTION MANAGEMENT PROGRAM**

Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?

YES
NO

Number of construction sites in inventory	35
Number of active construction sites in inventory	34
Number of inactive construction sites in inventory	1
Number of construction sites closed/completed during reporting period	7
Number of construction site inspections	631
Number of construction site violations	21
Number of enforcement actions issued	23
Number of escalated enforcement actions issued	0

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?

YES
NO

	Municipal	Commercial	Industrial	Residential
Number of facilities or areas in inventory	62	1,058	183	18
Number of existing development inspections	62	1,097	32	16
Number of follow-up inspections	1	122	0	28
Number of violations	3	257	0	25
Number of enforcement actions issued	1	134	0	30
Number of escalated enforcement actions issued	0	0	0	1

See Attachment A for description of revised property-based inspections at Industrial & Commercial facilities

VIII. PUBLIC EDUCATION AND PARTICIPATION

Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?

YES
NO

Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?

YES
NO

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?

YES
NO

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

GREG MAYER

Print Name

760-639-6111

Telephone Number

January 10, 2024

Date

DIRECTOR OF ENGINEERING

Title

GMAYER@CITYOFVISTA.COM

Email

Attachment A.

**Jurisdictional Runoff Management Program Annual Report – Carlsbad WMA:
Supplemental Information**

Information provided in this attachment supplements data presented in the Jurisdictional Runoff Management Program Annual Report Form. Each section that follows is presented in order of program element as identified in the form.

1 Copermittee Information

The City of Vista's (City) jurisdictional area resides within two Watershed Management Areas (WMAs), the Carlsbad WMA and the San Luis Rey WMA (SLR WMA; Table 1-1).

Table 1-1. City of Vista Jurisdictional Area within Watershed Management Areas

Watershed Management Area	Watershed Area	Vista Jurisdictional Area	Vista Jurisdictional Area Within Watershed
Carlsbad	135,000 acres	11,251 acres	8.3 percent
San Luis Rey	360,000 acres	771 acres	0.2 percent
<i>City of Vista Total</i>		<i>12,022 acres</i>	

As required by the San Diego region municipal stormwater permit (MS4 Permit; San Diego Region Water Quality Control Board, Order No. R9-2013-0001), program activities conducted in these two WMAs are summarized in separate annual reports. This report summarizes activities conducted within the Carlsbad WMA.

2 Legal Authority

The City maintained and implemented legal authority within its jurisdiction consistent with the San Diego region municipal stormwater permit through Vista Municipal Code (VMC) Chapter 13.18, *Stormwater Management and Discharge Control Program*. VMC Chapter 13.18 was adopted by Vista City Council on June 9, 2015, with most recent editorial revisions made on September 23, 2016. The City's municipal and development codes are available at:

<https://www.cityofvista.com/city-services/city-departments/community-development/municipal-development-codes>

3 Jurisdictional Runoff Management Program Document Update

The City's JRMP document was updated to reflect the following program improvements:

- Updated municipal facility existing development inventory (JRMP Appendix J).
- Transition from a business-based approach to industrial/commercial existing development inspections, to an onsite property-based inspection approach (JRMP Section 6).

A red-line revision to the document was posted on the City's website:

<https://www.cityofvista.com/departments/engineering/water-quality-protection/watersheds>

A link to the above City website page is also available from the Project Clean Water clearinghouse website at:

www.projectcleanwater.org

4 Illicit Discharge Detection and Elimination

Sections 4 through 7 summarize jurisdictional program activities, presented in order of program components listed in Sections IV through VII of the Annual Report Form. Note that multiple violations can be identified through one enforcement action, or one violation may result in multiple enforcement actions; therefore, in the Annual Report Form, the total number of enforcement actions does not equal the number of violations observed.

Illicit Discharge Detection and Elimination (IDDE) activities are summarized in Section IV on the Annual Report Form. One hundred twenty-five IDDE cases were initiated for investigation of non-stormwater discharges through Illicit Discharge Detection and Elimination activities in the Carlsbad WMA. Fifty of these were initiated as a result of reporting by the public. The cases resulted in 96 enforcement actions being issued, including eight escalated enforcement actions (e.g., administrative citations). The number of non-stormwater discharges identified and eliminated was 106.

The City's "Report It" tool is available on the City of Vista homepage (www.cityofvista.com), with similar reporting functions in the *AccessVista* smartphone application. The tools are available for anyone to report concerns in the city. During the reporting period, city-wide, 332 public inquiries were logged regarding stormwater pollution, drainage, irrigation runoff, and debris/trash/dumping. This is 30 more inquiries than the previous reporting period. Inquiries can result in resolution on site, creation of work orders, and/or enforcement cases. As a result, while all inquiries are responded to, not all result in enforcement cases as reported in Section IV of the Annual Report Form.

Major outfall inspections and analytical sampling were conducted in support of IDDE activities. During the reporting period, two rounds of dry-weather outfall visual inspections were conducted (49 inspections during round 1 and 48 during round 2). Five persistently flowing outfalls were sampled for laboratory analysis during each round following persistent-flow monitoring requirements.

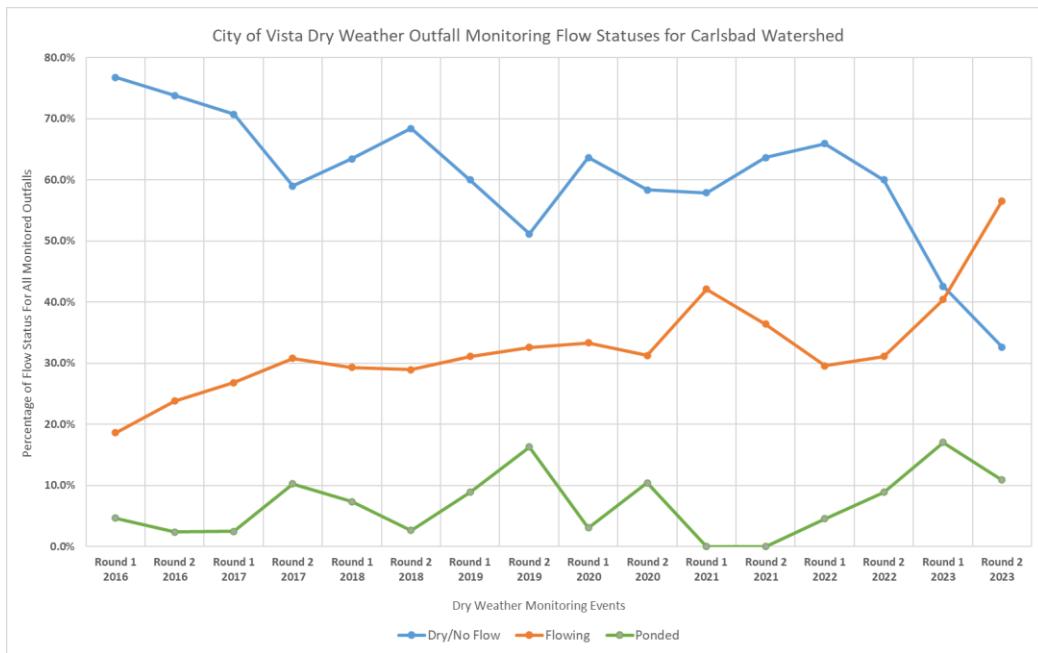
Round 1 Summary:

- 19 outfalls had observed flow with upstream investigations conducted (11 sources were identified).
- 8 outfalls had ponded water (not flowing).
- 11 enforcement cases were initiated due to illicit discharges.
- 1 enforcement case was initiated for illegal dumping of trash.
- outfalls BV-12 and BV-16 both had noticeably higher flow rates than previous monitoring events at 65 gpm and 80 gpm, respectively.

Round 2 Summary:

- 22 outfalls had observed flow with upstream investigations conducted (10 sources were identified).
- 5 outfalls had ponded water (not flowing).
- 6 enforcement cases were initiated due to illicit discharges.
- Upstream investigation for Outfall AH-12 led to irrigation runoff from a construction site being identified and eliminated.

The observed increase in the number of outfalls exhibiting flow or ponded conditions is believed to be associated with the excessively wet 2022-23 rainy season (October – April; Figure 1). The National Weather Service San Diego office reported approximately 21.58 inches of rainfall during this period, exceeding the average of 13.39 inches by over 8 inches. Areas of elevated groundwater and springs were present in Vista in preceding years during drought conditions, and additional areas were observed during this reporting period correlating to excessive rainfall that occurred.



4.1 Homelessness

The City's *Strategic Plan to Address Homelessness* (March 2020) continued to utilize a three-pronged approach, blending services, resources, and enforcement to address the following primary goals: 1) Prevent Homelessness, 2) Improve Quality of Life, and 3) Reduce Homelessness. Since October 2020, the City of Vista has accomplished the following milestones while supporting people experiencing homelessness in our community:

- 128 unsheltered individuals have been placed in emergency shelters for a total of 7,327 nights.
- 532 unduplicated unsheltered individuals have been enrolled for continuing services with outreach workers.
- 96 households at risk of becoming homeless have received over \$334,483 in emergency assistance to prevent homelessness.
- Over \$3 million dollars have been invested in direct services to support people experiencing homelessness.

The Strategic Plan and updated resources regarding people experiencing homelessness can be found on the Housing Division webpage (<https://www.cityofvista.com/city-services/housing-homeless-services>).

Following an award of a \$1.8 million grant in March 2022, the City began planning to focus these resources in addressing encampments in a biological preserve overlay area in the vicinity of Buena Vista Creek. The City was one of 18 agencies to be awarded the demonstration grant from the State of California Interagency Council on Homelessness.

In January 2023, the City initiated a contract for Safe Parking Services. The Safe Parking Program opened in August 2023, which provides onsite, wraparound services focused on basic needs assistance, employment, family wellness, school success, financial education, credit repair, and most importantly, a return to housing.

The City maintained a work group consisting of staff from several municipal divisions such as the COPPS Unit of the Sheriff's Department, the San Diego County Department of Homeless Solutions, the Regional Task Force on Homelessness, PATH, Alpha Project, Jewish Family Services, and Exodus Recovery, and City staff (City Manager's Office, Engineering, Code Enforcement, Recreational, City Attorney's Office and Public Works). These representatives met regularly to coordinate activities, align resources, and distribute information within the region. The work group seeks to improve internal and external communications on addressing homelessness and has driven enforcement activity to better address homeless encampments by coordinating efforts with social workers, the COPPS unit, and city divisions. Additionally, the City has engaged in legislative advocacy and is in initial discussions to regionally address legislation in support of identifying resources and streamlining processes to strengthen resources for our unsheltered community.

Strategies and activities to address homelessness in the City of Vista are focused where encampments tend to establish, such as in the vicinity of the urban core and in landscaped open spaces where encampments may be hidden from public view. In addition to services provided by partner agencies to prevent and reduce homelessness, activities occur to reduce potential sources of pollutants from encampments. Since 2020, 777 encampments were removed from public right of ways to abate homelessness and encampment debris, which resulted in the elimination of over 91 tons of trash.

4.2 Trash Order Track 2 Implementation

San Diego Region Water Quality Control Board Order No. R9-2017-0077 (Trash Order) requires progressive reduction of the trash loading each year until full compliance with the trash discharge prohibition is achieved no later than December 2, 2030. City activities for trash abatement are guided by its Track 2 Implementation Plan. Track 2 utilizes a combination of structural and non-structural (e.g., institutional or programmatic) controls for demonstrating compliance with the trash discharge prohibition order. The FY 2022-23 Trash Order Implementation Plan Annual Report is provided in Attachment B.

5 Development Planning Program

Development Planning Program activities are summarized in Section V on the Annual Report Form. Note that multiple violations can be identified on one enforcement action; therefore, in the Annual Report Form, the total number of enforcement actions may not equal the number of violations observed.

There are 179 Priority Development Project sites completed (inventoried) in the Carlsbad WMA, consisting of 943 individual structural Best Management Practices (BMPs). Prior to conducting PDP site BMP inspections in summer 2023, staff reviewed the prioritization of sites, identifying 36 sites (143

BMPs) within the city as high priority to be inspected. Standard priority sites were inspected based on the status of annual certifications and compliance history. During the reporting period, a total of 402 BMPs were inspected at 82 sites, with 128 BMP deficiencies observed at 36 sites. Each of the 36 sites were issued a written warning with corrective actions. An additional three enforcement actions were issued through compliance cases, resulting in 39 total enforcement actions.

The City completed targeted updates to its *BMP Design Manual* during the FY 2021-22 reporting period. Comprehensive revisions to the manual were initiated during the reporting period and are anticipated to be completed in FY 2023-24. When completed, the manual will be included with the Carlsbad WMA WQIP annual report and posted on the City's website (and linked from the Project Clean Water clearinghouse website).

6 Construction Management Program

Construction Management Program activities are summarized in Section VI on the Annual Report Form. Of the 35 inventoried construction sites, 34 sites were active for part of, or throughout, the reporting period. At active sites, 631 inspections were conducted, resulting in 21 observed violations, and 23 enforcement actions.

7 Existing Development Management Program

Existing development inspections and enforcement actions are summarized in Section VII of the Annual Report Form.

7.1 Existing Development Facility Inspections

Municipal Facilities

All 62 inventoried municipal facilities in the Carlsbad WMA were inspected. Three new sites were added to the inventory, one representing each segment of the Inland Rail Trail. One site required follow-up for observed deficiencies and was resolved.

Commercial Facilities

In March 2022, the City transitioned to a property-based approach to conducting commercial and industrial facility inspections. To ensure that all inventoried businesses were inspected at least once every five years (MS4 Permit Provision E.5.c), inventoried properties were inspected during this reporting period if *any of the businesses on that property* had not been inspected in the preceding five years. This approach resulted in a significant increase in facility inspections, however, this approach ensured that the inspection frequency required by the MS4 Permit was fulfilled.

In the property-based approach, the commercial facility inventory consists of sites, inclusive of common areas, that contain businesses operating with either commercial or industrial activities. Of the 1,058 inventoried sites (properties), 1,097 inspections were conducted (i.e., some sites were inspected more than once), with 122 follow-up inspections completed, and 134 enforcement actions issued. Site inspections included over 2,964 commercial businesses, including 10 agriculture sites (sites regulated by the State Water Board Irrigated Lands Program).

Industrial Facilities

Consistent with the current MS4 Permit, industrial facilities are distinguished separately from commercial facilities. The inventory of industrial facilities is defined as businesses operating with an active state-issued Industrial General Permit (IGP), as designated by the State Water Resources Control Board's (SWRCB) Stormwater Multiple Application and Report Tracking System (SMARTS). These industrial facilities are inspected individually, regardless of whether they reside within a commercial site as described above. During the reporting period, there were 183 industrial facilities inventoried within the Carlsbad WMA. Of these, 32 industrial facilities were inspected by walkthrough inspections. An additional 32 facilities were included in the property-based approach. Based on inspection findings, no follow-up inspections, violation citations, or enforcement actions were necessary.

Residential Facilities

Eighteen Residential Management Areas (RMAs) remain inventoried within the Carlsbad WMA. To fulfill the WQIP enhanced inspection strategy, the eight RMAs within focus areas AH-04 and BV-06 were inspected twice. Staff utilized inspections as an opportunity to communicate directly with residents, or mail educational information to property owners regarding observed violations. City staff conducted 28 in-person follow-up inspections to confirm the resolution of 25 observed violations. Thirty enforcement actions were initiated, including one escalated enforcement action (i.e., citation).

7.2 Municipal Activities

The City of Vista and Buena Sanitation District operate sewer collection systems within the City's limits, with activities guided by a sewer system management plan. During the reporting period, revisions were made to the *City of Vista and Buena Sanitation District Sewer System Management Plan*, including updates to the *Spill Emergency Response Plan*. Between both districts, more than 33 miles of sanitary sewer were inspected by closed-circuit television, and 306 miles of sewer were cleaned.

The inventory of Food Service Establishments (FSEs) within each sanitation district was updated. Of 332 inventoried FSEs, 127 were inspected in the Carlsbad WMA during the reporting period for compliance with Fats Oils and Grease (FOG) requirements. During FOG inspections, FSEs are provided a 'FOG binder' containing materials such as logs for maintenance and training, a grease hauler list, and additional resources. These inspections, and adherence to FOG requirements, reduce the potential for blockage and overflow of the City's sanitary sewers.

Additional citywide pollution prevention activities included the following highlights:

- Inventoried storm drain inlets were inspected at least once, and maintenance or cleaning was conducted as necessary.
- Conducted street sweeping, with high and moderate debris-rated roadways being swept twice per month and low debris-rated roadways being swept monthly.
- Maintained 122 trash bins at bus stops and high-use pedestrian areas.
- Continued support of 13 certified oil collection centers within the city. Used oil collection centers recovered approximately 25,475 gallons of oil.
- Collected 10,200 pounds of paper and 9,760 pounds of e-waste during a document shredding and e-waste collection event on June 10, 2023.

- Continued to promote and operate the Household Hazardous Waste facility that serves the member cities of Carlsbad, Encinitas, Escondido, Solana Beach, and San Marcos. During the reporting period, 6,713 carloads visited the facility, diverting 434,337 pounds of potentially hazardous material from the municipal waste stream.

7.3 Roman Creek Project

Roman Creek resides in the southern portion of the City-owned Buena Vista Park and is tributary to Agua Hedionda Creek. Within the Carlsbad WMA WQIP, wetland creation and enhancement at Roman Creek has been identified as a strategy to address hydromodification impacts as well as a mitigation strategy to compensate for aquatic resource impacts from other City projects. Previous Carlsbad WMA annual reports provide summaries of completed field studies, project design work, and environmental permitting activities for the project.

In the previous reporting period, design-build services were solicited for the Roman Creek project. The lone bid received was deemed responsive, however exceeded project budget by over \$2,300,000 and the City did not proceed with contracting. The available capital budget for the project was carried forward through FY 2022-23. During the current reporting period, the project remained on hold and the City initiated a review of conditions and resources related to hydromodification characteristics and conditions in the Agua Hedionda drainage area. Informational sources obtained included the Agua Hedionda Watershed Management Plan and restoration opportunities, multiple Roman Creek project reports and design plans, existing treatment control structure details, and available GIS datasets (land use, properties, drainages, etc.). The Roman Creek project will remain on hold while review of this information continues in FY 2023-24, with the intent to evaluate the appropriateness of adjusting current numeric goals or alternative jurisdictional strategies.

7.4 Senate Bill 205 Requirements

Stormwater Engineering and Business License staff continued to coordinate the implementation of Senate Bill 205 (SB 205) requirements, providing notification to applicable businesses to obtain coverage through the state-issued IGP. When applying or reapplying for a business license, applicants with an applicable Standard Industrial Classification (SIC) code completed a Stormwater Supplemental Questionnaire to demonstrate compliance with SB205 requirements. An informational letter regarding SB 205 requirements was distributed as part of the business license renewal program. Through this process, 34 businesses were reported as IGP non-filers to the San Diego Regional Water Quality Control Board.

8 Public Education and Outreach

Tables 8-1 and 8-2 summarize citywide education and outreach activities during the reporting period. Highlights of citywide activities included the following:

- Regularly promoted targeted pollution prevention activities via infographics posted on the City's social media outlets (Facebook, Instagram, Nextdoor, and Twitter), which were also displayed at key downtown kiosks.
- Developed two new pollution prevention infographics and posters (provided in Attachment C).

- Continued to maintain and update the City's stormwater webpage (www.cityofvista.com/stormwater) with pollution prevention resources for residents and businesses.
- Distributed multiple targeted pollution prevention messages through the City's employee Newsletter, city's E-Newsletter, and Our Vista Magazine (distributed to residents and businesses).
- Coordinated with South Vista Communities HOA to include pollution prevention infographics in their newsletters to residents, and promote events (e.g., volunteer clean-ups and infographics).
- Maintained City staff involvement with the regional stormwater education and outreach workgroup. A region-wide behavior change marketing campaign was conducted to prevent trash pollution and the management of pet waste.
- Provided pollution prevention fact sheets and information to landscapers and pool maintenance contractors that operate in the city.
- Hosted outreach and education booths at three large special events in the city, including the Summer Fun Festival (July 2022), City Hall Trick-or-Treat (October 2022), and Vista Strawberry Festival (May 2023).
- Hosted multiple (March, May, June) pet waste educational booths at two parks that experience heavy use by dog walkers.
- Distributed wet weather preparation notices to grading permitted sites at the beginning of the rainy season.

Table 8-1. Summary of Citywide Outreach Events

Outreach Opportunity	Description	Dates
Green Machine & Splash Science Lab	In-person science education support for San Diego County Office of Education's Green Machine and Splash Science Lab activities with school-aged children in the Vista Unified School District..	Multiple dates, 32 classes, 672 students
Used Oil Certified Collection Center Coordination	Supported the I Love a Clean San Diego campaign through site visits and coordination among the 13 oil collection centers in Vista. Citywide collection of 25,475 gallons of oil.	November 2022 and April 2023
Cleanup Events	Promoted and supported volunteer trash cleanup events with I Love a Clean San Diego's annual Coastal Cleanup Day and Creek to Bay cleanup at Buena Vista Creek Trail.	September 17, 2022 and April 22, 2023
Our Vista Magazine	Promote "Keep it Neat. Shut the Lid", "Are You Ready for Rain," "Do your doody scoop the Poop" messages and The Clean-up Event.	Winter 2022, Fall 2022, and Summer 2023
Our Vista Magazine	Promote Christmas tree recycling program and sites to Vista Residents.	December 2022 – January 2023
City of Vista e-News Blast to Residents	Promoted "Holiday Recycling Tips You Can Follow" message.	December 2022

Vista Strawberry Festival, Halloween event, Fun Festival	Distribute pollution prevention education material such as posters, flyers, and BMP brochures.	May 08, 2023, October 2022, and July 2022
Pet waste booth	Distribute pollution prevention education materials such as posters and flyers. Also, doggy bags at the City's dog parks.	March, May, and June, 2023
Class visit	Provided a water quality presentation for Murray High School students at Duck Pond.	April 2023
Document Shredding and e-waste Event	Shredding and electronic waste collection event at Civic Center. 610 cars visited the event with drop-offs equaling 9,760 pounds of e-waste and 10,200 pounds of paper.	June 10, 2023
Septic system notification letter	Distributed Septic System Maintenance fact sheet and notification letter to 570 property owners likely to have a system on-site.	June, 2023
HOA and Property Managers Presentations	Prepared two pollution prevention educational presentations for residents, HOAs, and property managers, which is also available on the City's YouTube page.	June 2023
South Vista Communities Newsletter	"Keep it neat, Shut the lid," "Trap Your Load", "Irrigation Runoff", "Do Your Doody, Scoop The Poop", "Are You Ready For Rain", "FOG" infographics, and promotion of clean up events.	Throughout FY 2022-23
Spotlight Newsletter	Promote "How to Discharge Pool Water", "Water Quality Tips", "Are You Ready for Rain", and "Too Toxic to Trash".	Throughout FY 2022-23
Public information kiosks at downtown	Promoted "Good Housekeeping Tips", "Keep it Neat. Shut the Lid", "Irrigation Runoff", and "Ditch the Dirt" on the public information kiosks downtown.	Throughout FY 2022-23
Social Media messages	Recurring posting of pollution prevention messages on City social media outlets (i.e., Twitter, Facebook, Instagram).	Throughout FY 2022-23

Table 8-2. Summary of Municipal Education Activities

Workshop/Training	Audience	Attendees	Location	Dates
CASQA - Annual Conference	Stormwater Professionals	2	Palm Spring	October 2022
Public Works Annual Stormwater Training	Public Works and Stormwater Staff	48	Vista	June 2023
Stormwater Requirements Building Training	Building Division Staff	8	Vista	June 2023
Construction Inspections Training	Inspection Staff	11	Vista	May 2023
Fats, Oil, and Grease Training for Municipal Facilities	Multiple Divisions	16	Vista	November and June 2022
An Annual Update on the State of California Stormwater	Stormwater staff	3	Virtual Training	January 2023
Agriculture Operations, Inspections, and Pollution Prevention Training	Stormwater staff	4	Virtual Training	June 2023

9 Fiscal Analysis

Fiscal information provided in this section is presented jurisdiction-wide, not distinguished between the two watersheds, Carlsbad WMA and San Luis Rey WMA. The City's Jurisdictional Runoff Management Program continued to be primarily funded through a combination of both the Enterprise Fund and General Fund (Table 9-1). Expenditures for FY 2022-23 are summarized in Table 9-2.

Table 9-1. Summary of Funding Sources

Source	Funding
General Fund	\$ 1,480,517
Enterprise Fund	\$ 2,654,760
Special Assessment District	\$ 123,395
Grant Funds	\$ 42,790
TOTAL PROGRAM FUNDING	\$ 4,301,462

Table 9-2. Summary of Expenditures

	Program Component	Expenditures
Jurisdictional		
	Administration	\$ 379,516
	Development Planning	\$ 481,307
	Construction	\$ 966,648
	Municipal	\$ 1,994,597
	Industrial-Commercial	\$ 87,339
	Residential	\$ 10,246
	IDDE	\$ 153,149
	Public Education & Participation	\$ 76,067
	Subtotal - Jurisdictional	\$ 4,148,869
Watershed		
	Carlsbad and San Luis Rey WMAs	\$ 110,312
	Administration and Labor	\$ 21,342
	Subtotal - Watershed	\$ 131,654
Regional		
	Copermittee Cost Share	\$ 15,542
	Administration and Labor	\$ 5,397
	Subtotal - Regional	\$ 20,939
TOTAL PROGRAM EXPENDITURES		\$ 4,301,462

Attachment B.

Trash Order Implementation Plan Fiscal Year 2022-23 Annual Report

**City of Vista
Trash Order Implementation
Fiscal Year 2022-23 Annual Report**

Contents

1	Introduction	3
1.1	<i>Regulatory Background</i>	3
1.2	<i>Implementation Strategy</i>	3
1.3	<i>Progress Toward Trash Reduction Goal</i>	3
2	Summary of Control Measures.....	4
2.1	<i>Trash Order Drainage Master Plan</i>	4
2.2	<i>Baseline Trash Generation and Annual Reduction Goal.....</i>	4
2.3	<i>Structural Controls - Summary</i>	5
2.4	<i>Institutional Controls - Summary.....</i>	5
3	Implemented Institutional Controls	7
3.1	<i>Existing Controls.....</i>	7
3.1.1	<i>Sweeping.....</i>	7
3.2	<i>Generation Reduction.....</i>	8
3.2.1	<i>Plastic Bag Ban Ordinance</i>	8
3.2.2	<i>Polystyrene Food Service Ware Ordinance.....</i>	8
3.2.3	<i>Public Outreach.....</i>	8
3.2.4	<i>Tarp Your Load</i>	8
3.2.5	<i>Anti-littering and Illegal Dumping Enforcement Activities</i>	9
3.2.6	<i>Improved Trash Bin/Container Management</i>	9
3.2.7	<i>Single-Use Plastic Service Ware Ordinance</i>	9
3.3	<i>On-land Interception</i>	9
3.3.1	<i>Enhanced Storm Drain Maintenance</i>	9
3.3.2	<i>Municipal On-land Trash Clean-up</i>	10
3.3.3	<i>Recycling/Garbage</i>	10
3.3.4	<i>Caltrans Adopt-A-Highway Program</i>	10
3.3.5	<i>Hazardous Waste Disposal.....</i>	12
3.3.6	<i>Bulky Waste Items</i>	12
3.3.7	<i>Storm Drain Markers.....</i>	12

Tables

Table 1. Baseline Trash Generation Rates	4
Table 2. City of Vista PLU Generation Rates and Trash Reduction Goal.....	5
Table 3. Trash Capture Device Summary	5

Figures

Figure 1. Trash Load Reduction Calculations Process and Outputs	6
Figure 2. Street Sweeping Schedule.....	7
Figure 3. Caltrans Adopt-A-Highway Status in Vicinity of Vista	11

1 Introduction

This report has been prepared to fulfill annual reporting requirements of San Diego Regional Water Quality Control Board Order No. R9-2017-0077 (Trash Order), summarizing City of Vista (City) implementation activities for Fiscal Year 2022-23 (July 1, 2022 - June 30, 2023). This is Year 4 of the 10-year implementation period, which is expected to achieve full compliance no later than December 2, 2030.

1.1 Regulatory Background

The State Water Resources Control Board (SWRCB) adopted Resolution No. 2015-0019 (Trash Amendments) on April 7, 2015. On June 2, 2017, the San Diego Regional Water Quality Control Board issued the Trash Order, establishing regional requirements in support of the state-wide Trash Amendments. The Trash Order requires agencies, like the City, to comply with the trash narrative water quality objective and discharge prohibition through implementation of one of two selected measures, or tracks. The City chose its compliance pathway through Track 2, as described below.

1.2 Implementation Strategy

In November 2018, the City submitted a Track 2 Implementation Plan (Plan) to the San Diego Regional Water Quality Control Board. To demonstrate compliance with Track 2 of the Trash Order, the City is required to implement the following:

- Install, operate, and maintain any combination of full-capture systems, multi-benefit projects, other treatment controls, and/or institutional controls within either the jurisdiction of the MS4 permittee or within the jurisdiction of the MS4 permittee and contiguous MS4 permittees.
- Determine the locations or land uses within its jurisdiction to implement any combination of controls.
- Demonstrate that such combination achieves full-capture system equivalency.
- Determine which controls to implement to achieve compliance with full-capture system equivalency that is not cost-prohibitive to install (per expectations of the SWRCB).

The Plan describes the combination of structural and non-structural (e.g., institutional, or programmatic) controls the City anticipates will demonstrate compliance with the Trash Order. The Plan and additional related resources are available at: www.cityofvista.com/CMTC

1.3 Progress Toward Trash Reduction Goal

The City continued to demonstrate progress toward the selected Track 2 compliance strategy by implementing a combination of both structural and institutional (e.g., programmatic) controls. Currently, 3% of the City's total PLU area is being treated by structural controls. Institutional controls implemented over the reporting period included, but were not limited to, multiple on-land trash cleanup activities, ordinances to address single use plastics and polystyrene, and conducting outreach activities. Through use of the Trash Load Reduction Tracking Method (see Section 2.4 and Section 3) for these activities, the City has applied a conservative credit of 44% to the annual trash reduction goal.

2 Summary of Control Measures

2.1 Trash Order Drainage Master Plan

To support fulfilling requirements of the Trash Order, in early 2021, the City contracted services to prepare a Trash Order Drainage Master Plan. Objectives of the plan are to:

1. Compile high resolution geospatial data for Priority Land Uses (PLUs) identified in the Trash Order and develop a comprehensive Geographic Information System (GIS) inventory of the storm drain system,
2. Conduct drainage assessments to estimate flow conveyance capacities draining to PLU areas, and
3. Identify a list of capital improvement program projects to meet remaining trash load reduction requirements.

These objectives will help optimize the location and size of future trash capture device installations. Efficiencies can be realized through consolidation of devices and consideration of long-term monitoring and maintenance requirements.

The following activities were accomplished during the reporting period:

- Completed targeted editing and updates to the City's storm drain geospatial dataset. Dataset completeness and system connectivity was improved by conducting over 13,000 edits, including asset additions, removals, relocations, and attribute updates. Migration of the dataset to existing City GIS is planned for FY 2023-24.
- Identified 31 locations for potential installation of regional or sub-regional structural trash capture devices, where trash may captured from larger drainage areas, such as storm drain main line pipes or laterals.
- Feasibility analysis of four regional structural trash capture devices for consideration in future Capital Improvement Program planning.
- Prepared draft final plan, with completion anticipated in FY 2023-24

2.2 Baseline Trash Generation and Annual Reduction Goal

Section 2 of the City's Track 2 Implementation Plan describes baseline trash generation rates for PLUs and the annual trash reduction goal for full-capture compliance. The rates are summarized here and will be updated in future annual reports as necessary. Table 1 presents baseline trash-generation rates for land uses, based on a regional study of multiple sites throughout San Diego County. Applying these trash generation rates to land use in Vista, the baseline annual trash load-reduction goal was calculated to be 11,130 gallons/year. Table 2 summarizes this calculation.

Table 1. Baseline Trash Generation Rates

Land Use Category	No. of Sites in the County	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Mean Weight-Based Trash Generation Rates (pounds/acre/year) ¹
Commercial	11	6	0.95
High Density Residential	10	2.5	0.48
Industrial	14	2.6	0.66

¹Source: "Regional Trash Generation Rates for Priority Land Uses in San Diego County" (May 2018)

Table 2. City of Vista PLU Generation Rates and Trash Reduction Goal

Priority Land Use Category	Mean Volume-Based Trash Generation Rates (gallons/acre/year) ¹	Total Acres ²	Total Reduction (gallons/year)
Commercial	6.0	720	4320
High Density Residential	2.5	940	2,350
Mixed Urban	3.7	410	1,517
Industrial	2.6	1,060	2,756
Public Transit	3.7	50	185
Total Area	-	3,180	11,130

¹ Rates for Commercial, Industrial, and High-Density Residential PLUs provided by "Regional Trash Generation Rates for Priority Land Uses in San Diego County". Mixed Urban and Public Transportation Stations PLU rates calculated using an average of Commercial, Industrial, and High-Density Residential.

² Acres calculated using City GIS data for PLU Acreage. Rounded to the nearest acre.

2.3 Structural Controls - Summary

The State Water Resources Control Board maintains a list of certified trash full capture systems that satisfy requirements of the Trash Amendments.¹ Forty-one (41) trash-capture devices (structural controls) are installed in the City-owned storm drain inlets or catch basins that are identified as full capture certified. During this reporting period, three devices were installed through construction of a new roundabout at the intersection of S. Santa Fe Avenue and Pala Vista Drive. The 41 devices treat approximately 96.8 acres or 3.0% of the City's total PLU area (Table 3).

Table 3. Trash Capture Device Summary

Priority Land Use Area (acres)	Number of Trash Capture Devices	Priority Land Use Area Treated by Devices (acres)	Percentage of Priority Land Use Area Treated by Devices
3,180	41	96.8	3.0%

Strategic installation of additional trash capture devices will proceed following completion of the trash order drainage master plan (see Section 2.1). Currently installed devices are identified in a Geographic Information System (GIS) and have been incorporated into the City's maintenance schedule. Devices are scheduled for inspection and maintenance, as necessary, on a quarterly basis by a combination of City staff and contractors. Details for each of the 41 currently installed devices is provided in Appendix A: *Structural Control Devices*.

2.4 Institutional Controls - Summary

The City implements a variety of institutional control measures (programmatic activities) to reduce trash generation. The effectiveness of these institutional controls and associated reduction in trash generation has been calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Method² (Figure 1). As described in Section 4, the City has implemented components for each of the tracking methods identified. A conservative credit of 44% is being applied toward the annual trash reduction goal through implementation of these institutional controls.

¹ State Water Resources Control Board Trash Implementation Program website, including certified trash capture systems available at: https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html

² EOA, Inc. 2012. *Trash Load Reduction Tracking Method*. Prepared for the Bay Area Stormwater Management Agencies Association

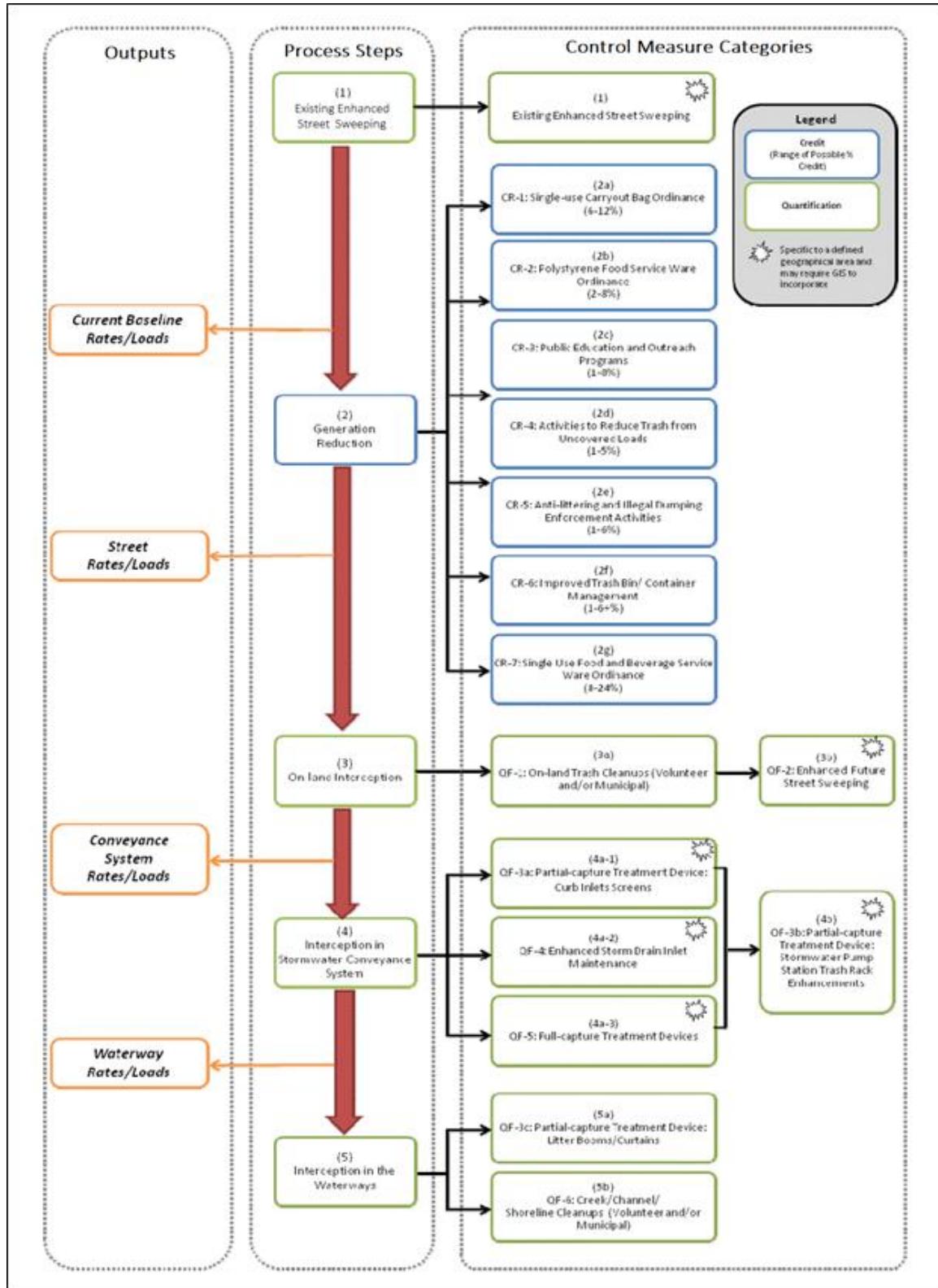


Figure 1. Trash Load Reduction Calculations Process and Outputs

Reference: Trash Load Reduction Tracking Method, BASMAA Technical Report, February 1, 2012.

3 Implemented Institutional Controls

The Track 2 compliance approach requires “any combination of full capture systems, multi-benefit projects, other treatment controls, and/or institutional controls... that such combination achieves full capture system equivalency.” Subsections that follow discuss the City’s currently implemented institutional controls. The effectiveness of these institutional controls and associated reduction in trash generation rate is calculated through use of the Bay Area Stormwater Management Agencies Association (BASMAA) Trash Load Reduction Tracking Methods (Figure 1). Discussion that follows is presented relative to each BASMAA control measure category. Following discussion of each institutional control, a conservative credit of reduction is provided.

3.1 Existing Controls

3.1.1 Sweeping

Through contracted services, most street sweeping routes are swept twice per month. A map of the City’s street sweeping schedule and the corresponding intervals is shown in Figure 2. Approximately equal parts of the City are swept Monday through Friday twice per month. Thus, during any given rain event, different parts of the City were swept between 7 to 14 days previously. Continuing the methodology in trash reduction in accordance with the BASMAA approach, the conservative trash reduction from street sweeping remains at 32% (as previously presented in the City’s Implementation Plan).

Credit: 32% effective reduction

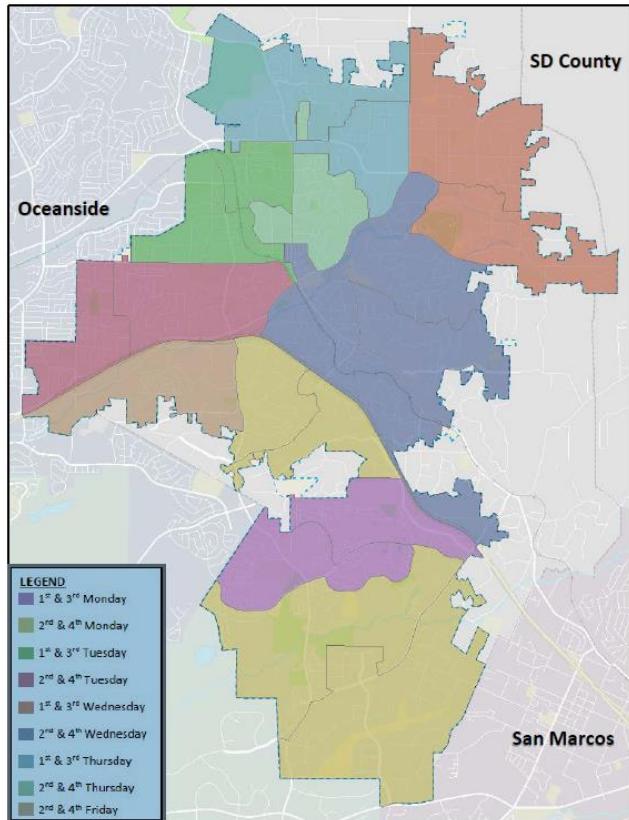


Figure 2. Street Sweeping Schedule

3.2 Generation Reduction

3.2.1 Plastic Bag Ban Ordinance

The statewide Single-Use Carryout Bag Ban (SB270/Proposition 67) prohibits most grocery stores, large retail stores, pharmacies, convenience stores, and liquor stores from providing their customers with bags designed for single use only, unless the bags are made with recycled paper. Instead, stores must provide customers with reusable grocery bags or with recycled paper bags and must charge at least 10 cents for each bag. The ban on plastic bags is believed to have a substantial impact on reducing trash accumulation within inlets, streets, and sidewalks. The BASMAA methodology lists the conservative effectiveness of a single-use carryout bag ordinance as 6%. Based on effective date of SB270 and Proposition 67 predating the Trash Order effective date, at this time, the City has conservatively elected to exclude this credit from the compliance calculation.

Credit: Excluded

3.2.2 Polystyrene Food Service Ware Ordinance

On June 22, 2021, Vista Municipal Code Chapter 11.04 ‘Polystyrene Plastics Reduction’ was enacted. By no later than July 1, 2023, no food service provider in the city, nor City facilities, shall distribute food service ware products made of polystyrene with prepared food. The effectiveness of this institutional control will be evaluated in the future, following education, outreach, and any necessary enforcement to local businesses.

Credit: Excluded

3.2.3 Public Outreach

The City produces and distributes stormwater pollution prevention outreach materials addressing trash pollution through, but not limited to, the following activities:

- Distribution in variety of media (brochures, social media, newsletters, magazine to residents, public information kiosks, and website)
- Educational booths at special events
- Compliance inspections at businesses and facilities
- Promoting and hosting volunteer trash cleanup events

A summary of outreach and education activities from the previous reporting period can be found in the City’s *Jurisdictional Runoff Management Program Annual Report, Section 8, Public Education and Outreach*. Education materials are also provided on the City website: www.cityofvista.com/stormwater. The City is applying the most conservative credit in the methodology for trash reduction through public education and outreach in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.4 Tarp Your Load

South Vista Communities, a collection of homeowner associations and residential areas south of CA-78 continued to share stormwater pollution prevention messages in their monthly newsletter. Six different pollution prevention infographics were included with newsletters, including the “Tarp Your Load” message (informing to secure loads when hauling in trucks to prevent roadside trash and litter).

The City is applying the most conservative credit in the methodology for trash reduction from uncovered loads in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.5 Anti-littering and Illegal Dumping Enforcement Activities

Through the Vista Municipal Code (VMC), the City maintains legal authority to initiate enforcement and require corrective actions to resolve violations. VMC chapters related to solid waste, trash, debris, and illicit discharges include but are not limited to:

- Chapter 13.16 Solid Waste Management
- Chapter 8.36.040 B. Substandard Property Conditions
- Chapter 13.18.045 Watercourse Protection
- Chapter 13.18.050 Discharge Prohibitions

City enforcement officers have authority to issue warnings, notice(s) of violation, and administrative citations. The City is applying the most conservative credit in the methodology for trash reduction from anti-littering and illegal dumping enforcement in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.6 Improved Trash Bin/Container Management

The City contracts with a waste hauler, EDCO, to provide enhanced trash management at City owned bus-stops. One-hundred twenty-two (122) trash bins were maintained to reduce trash associated with these public transit PLU areas. The City is applying the most conservative credit in the methodology for enhanced trash bin/container management in accordance with the BASMAA approach.

Credit: 1% effective reduction

3.2.7 Single-Use Plastic Service Ware Ordinance

On January 1, 2022, the City enacted Vista Municipal Code Chapter 11.08 'Single-Use Foodware Accessories and Condiments'. The chapter incorporates text from Assembly Bill No.1276 (Chapter 505, Statues of 2021) that prohibits, with limited exceptions, distribution of single-use foodware accessories or condiments for single-use unless requested by the customer. The City is applying the most conservative credit in the methodology for a single-use food service ware ordinance in accordance with the BASMAA approach.

Credit: 8% effective reduction

3.3 On-land Interception

3.3.1 Enhanced Storm Drain Maintenance

The City's Public Works Department maintains City-owned portions of the storm drainage system. Inventoried storm drain inlets are inspected at least once annually, and maintenance or cleaning conducted as necessary. The City possesses permit authorization from environmental agencies (U.S. Army Corps of Engineers, San Diego Regional Water Quality Control Board, and California Department of Fish and Wildlife) to conduct maintenance activities at 42 open channel sites. Authorized activities are site-specific and may include removal of trash, debris, sediment, and vegetation.

3.3.2 Municipal On-land Trash Clean-up

The cleanup and removal of on-land trash is addressed through multiple approaches. Community Improvement Maintenance Workers (CIMWs) have been serving the City's "A Cleaner Vista" goal, since the fall of 2022. In 2023, the Community Improvement Team, in collaboration with Public Works, and City contractors, cleared 85 encampment areas. From July to December 2022, approximately 20 encampments were removed, and debris was cleared. The cumulative impact of the combined efforts from July 2022 to July 2023 is evident in the impressive collection of 47.63 tons of material.

On-land trash cleanup within City parks is supported by a crew of two to three workers, typically operating half-time, four to five days per week. Another similarly sized crew operates up to five days per week, focusing on the removal of trash along arterial roads in the city. Additionally, in May 2022, the city initiated a downtown ambassador program. The team of three ambassadors supports community hospitality in the Vista Village, Paseo Santa Fe, and downtown areas while assisting with removing litter and initiating maintenance requests. The ambassadors report blight and trash issues to City staff and/or through the City's Access Vista app. Currently, they work 10 am to 10 pm Wednesday through Sunday and are available by cell phone while on duty. During this reporting period, the ambassadors collected trash/debris totaling 350 trash bags.

3.3.3 Recycling/Garbage

The City contracts waste collection, disposal, and recycling through EDCO Services. Vista Municipal Code Chapter 13.16.120 specifies that residential accounts are provided containers for accumulation and disposal as follows: 1) Solid waste, 2) recyclables, and 3) green waste.

3.3.4 Caltrans Adopt-A-Highway Program

California Highway 78 (SR-78) is an east-west traffic corridor that bisects the city. Caltrans administers an Adopt-A-Highway Program that provides the opportunity for individuals, organizations, or businesses to help maintain sections of roadside within California's State Highway System. In addition to the aesthetic benefits of cleaner and more beautiful roadsides, participants help prevent potential pollutants from entering local waterways. Status of active adoptions specific to SR-78 is illustrated in Figure 3 and is available at:

<https://d11gis.maps.arcgis.com/> Approximately eleven miles (5.4 miles each direction) of SR-78 are within the City's municipal boundaries including twelve on/off ramps. Caltrans has active adoptions for the eleven miles and all twelve on/off ramp locations.

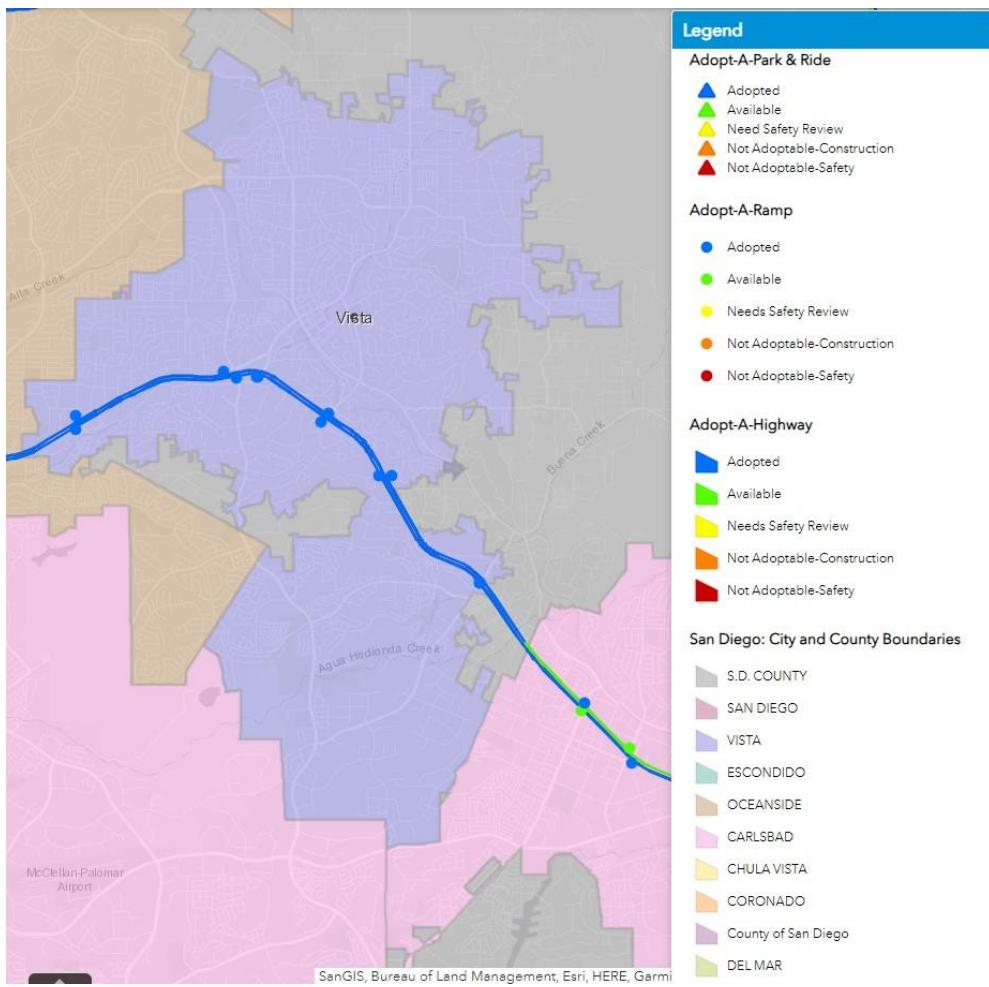


Figure 3. Caltrans Adopt-A-Highway Status in Vicinity of Vista

Reference: <https://d11gis.maps.arcgis.com/>

3.3.5 Hazardous Waste Disposal

The City has a dedicated Household Hazardous Waste and E-waste drop-off facility open to residents on most weekends. In FY 2022-23, 6,713 carloads visited the facility, eliminating 434,337 pounds of potentially hazardous material from the municipal waste stream. Hazardous wastes and electronic wastes collected includes, but is not limited to, fluorescent light bulbs, household cleaners and chemicals, paint, automotive fluids, and batteries. On June 10, 2023 , the City and partner organizations hosted a document shredding and electronic wase collection event. During the event, 10,200 pounds of paper and 9,760 pounds of e-waste were collected.

3.3.6 Bulky Waste Items

The City contracts with EDCO to provide waste collection services. The collection of bulky waste items, such as mattresses, appliances, and furniture, is offered to residents for a nominal fee. This fee can be avoided for Vista residents by using an EDCO-provided free disposal coupon found in the EDCO Environmental Times flyer mailed to each home. Recyclable bulky items may be dropped off free of charge at designated buyback centers. Roll-off bins and dumpsters can be requested by customers.

3.3.7 Storm Drain Markers

To increase public awareness about preventing pollutants from entering the storm drain system, placards or markers are maintained on city-owned storm drain inlets.



BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
03-044-1	FloGard Plus (FGP -48CI, FGP24CI)	03-044-1 - North side of Silver Drive at entrance into subdivision	2.0	0.0	0%
03-044-2	FloGard Plus (FGP -48CI, FGP24CI)	03-044-2 - South side of Silver Drive at entrance into subdivision	2.0	0.0	0%
08-009-1	FloGard Plus (FGP-48, FGP24)	08-009-1 - West side of tennis courts, on east side of driveway	17.3	0.0	0%
COVLIB-2	FloGard Plus (FGP-12F)	COVLIB-2 - Vista Library. Central parking lot area, small inlet at corner of parking island	1.0	1.0	100%
COVLIB-3	FloGard Plus (FGP-48, FGP24)	COVLIB-3 - Vista Library. Southern parking lot area, curb inlet near Eucalyptus	1.0	1.0	100%
08-028-8	FloGard Perk Filter System vault, 6 cartridges	08-028-8 - Civic Center west parking lot, near walkway between buildings	3.1	0.9	29%
09-001-1	Catch Basin filter inlet with oil absorbent media	09-001-1 - Vista Sports Park. Main parking lot, adjacent to soccer fields	1.5	1.5	100%
09-001-2	Catch Basin filter inlet with oil absorbent media	09-001-2 - Vista Sports Park. Main parking lot, adjacent to baseball fields	4.0	4.0	100%
09-001-3	Catch Basin filter inlet with oil absorbent media	09-001-3 - Vista Sports Park. Main driveway before entering parking lot, adjacent to caretaker house	3.1	3.1	100%
99-019-1	Contech CDS Hydrodynamic Separator (CDS 5042)	99-019-1 - Near beginning of creek walk, south side of Buena Vista channel. At edge of pavement.	7.5	7.5	100%
99-019-2	FloGard Plus (FGP-1836F)	99-019-2 - Wave Water Park entrance, storage garage driveway	2.8	2.8	100%
99-019-3	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-3 - Olive Ave/Vista Village Drive, in parking lot southwest corner	1.0	1.0	100%
99-019-4	Contech CDS Hydrodynamic Separator (CDS 5050)	99-019-4 - Access road along concrete channel behind Burger King, enter at Wave Dr.	25.4	12.7	50%
99-019-5	Contech CDS Hydrodynamic Separator (CDS 2020)	99-019-5 - Olive Ave, immediately south of Goetting Way	3.2	2.2	69%
99-019-6	FloGard Plus (FGP-48)	99-019-6 - North side of Lado de Loma, behind Staples	31.2	18.7	60%
99-019-7	FloGard Plus (FGP-48)	99-019-7 - South side of Lado de Loma, entrance to Lowes	12.5	6.8	54%
99-019-8	FloGard Plus (FGP-30CI)	99-019-8 - Olive Ave, south of Goetting Wy, in front of metal building across from bus mall	0.1	0.0	40%
99-019-9	FloGard Plus (FGP-30CI)	99-019-9 - Olive Ave, south of Goetting Wy, south of metal building across from bus mall	0.1	0.0	0%
00292-1	Connector pipe screen	2435 CADES WY	3.4	2.8	83%
00291-1	Connector pipe screen	1661 S MELROSE DR	2.4	2.4	100%
00290-1	Connector pipe screen	1475 OAK DR	10.2	9.0	88%
00299-1	Bio Clean Curb Inlet Filter and oil sock	436 VISTA VILLAGE DR	7.2	4.1	57%
00296-1	Bio Clean Curb Inlet Filter and oil sock	1510 GOODWIN DR	53.6	0.0	0%
00293-1	Bio Clean Curb Inlet Filter and oil sock	1601 RUSH AVE, ON GOODWIN DR	9.0	0.0	0%
00297-1	Bio Clean Curb Inlet Filter and oil sock	1045 N SANTA FE	7.8	0.0	0%
00294-1	Bio Clean Curb Inlet Filter and oil sock	225 RUSH AVE, ON GOODWIN DR	32.2	0.0	0%
00298-1	Bio Clean Curb Inlet Filter and oil sock	1421 N SANTA FE	1.1	0.0	0%
00295-1	Bio Clean Curb Inlet Filter and oil sock	1540 GOODWIN DR	10.3	0.0	0%

BMPID	BMPDetail	Location	Drainage Area (acre)	PLU Area (acre)	% PLU Area
DWG-4517-50	Contech Hydrodynamic Separator (CDS 3030-6-C) 3.0 CFS and Storm Drain Cleanout	Terrace Dr at S Santa Fe. On Terrace	7.5	7.5	100%
DWG-4517-45	Catch Basin filter inlet with oil absorbent media	SW on S Santa Fe Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-44	Catch Basin filter inlet with oil absorbent media	SE on Roundabout at Guajome St	0.5	0.5	100%
DWG-4517-46	Catch Basin filter inlet with oil absorbent media	NW roundabout on S Santa Fe at Guajome St	0.5	0.5	100%
CMTC21-06	Catch Basin filter inlet with oil absorbent media	Olive Ave, North of Vista Village, ROW from NTCD parking lot	0.1	0.1	100%
CMTC21-02	Catch Basin filter inlet with oil absorbent media	NW intersection of Tatum and N Melrose. On Melrose	0.8	0.0	0%
CMTC21-01	Catch Basin filter inlet with oil absorbent media	NW Spires and N Melrose on Spires	0.2	0.0	0%
CMTC21-04	Catch Basin filter inlet with oil absorbent media	N Indiana Ave, immediate north of Vista Village Dr	0.2	0.2	100%
CMTC21-05	Catch Basin filter inlet with oil absorbent media	Intersection of N Indiana Ave and Vista Village Dr, on Vista Village	2.6	2.6	100%
CMTC21-03	Catch Basin filter inlet with oil absorbent media	NW intersection of E Vista Village and Vale Terrace. On Vale Terrace.	20.2	3.3	16%
DWG-4597-27	Bio Clean Model #BO-RGISB, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., south side of roundabout	0.0	0.0	0%
DWG-4597-28	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Dr., west side of roundabout	0.0	0.0	0%
DWG-4597-26	Bio Clean Model #BO-RGISB 22-24, Round Curb Inlet Filter	S. Santa Fe Roundabout at Pala Vista Drive, east side of roundabout	0.1	0.0	0%

TOTAL 289.2 96.8

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

Attachment C.

Education and Outreach – Example Fact Sheets, Brochures, and Infographics

DITCH THE DIRT!

How you can prevent soil erosion:

Stabilize any bare soil or unvegetated areas with mulch, gravel, or type of vegetation.

Don't discharge mud or dirt from your property to storm drains.

Use temporary solutions such as sand bags or other soil stabilizers until a permanent alternative takes place.

Don't over irrigate areas with little to no vegetation.

Exposed bare soil is easily swept away by rain, transporting runoff with dirt, debris, and pollutants to storm drains and local creeks.

CITY OF VISTA CALIFORNIA cityofvista.com/stormwater

¡OLVÍDATE DE LA TIERRA!

Cómo se puede prevenir la erosión del suelo:

Estabilice el suelo descubierto o áreas sin vegetación con mantillo, grava, o tipo de vegetación.

No descargue tierra o lodo a los drenajes pluviales.

Utilice soluciones temporales como bolsas de arena o otros estabilizadores de suelo hasta que un método alternativo permanente tiene lugar.

No riegue en exceso las áreas con poca o ninguna vegetación.

El suelo descubierto es fácilmente barrido por la lluvia, y transporta la tierra, escombros y contaminantes en escurrimiento de agua a los drenajes pluviales y arroyos locales.

CITY OF VISTA CALIFORNIA cityofvista.com/stormwater

RECREATION VEHICLE (RV) USER Know Before You Go...

You can keep pollutants, like bacteria, out of our waterways by using RV dump stations.

Tips for proper disposal:

- ✓ Secure both ends of the hose before opening tank valve.
- ✓ Do not leave hose unattended while dumping.
- ✓ Tightly close valves when dumping is complete.
- ✓ Only rinse spills toward the dump station inlet pipe.
- ✓ Have dry clean-up materials on hand for spills.

When you enjoy the environment, help protect it by using RV dump stations to keep pollutants out of our local waterways. To find dump stations or more resources, visit Stormwater at (www.cityofvista.com/Stormwater) or call Water Quality Hotline: 760-643-2804

CITY OF VISTA CALIFORNIA cityofvista.com/stormwater

USUARIO DE VEHÍCULO RECREATIVO (VR) Ten En Cuenta...

Se debe mantener los contaminantes, como bacterias, fuera de nuestras vías fluviales con el uso de estaciones de descarga de VR.



Consejos para eliminación adecuada:

- ✓ Asegure ambos lados de la manguera antes de abrir la válvula del tanque.
- ✓ No deje la manguera desatendida mientras descarga.
- ✓ Cierre las válvulas cuando haya terminado la descarga.
- ✓ Solo enjuague los derrames hacia la tubería de la estación de descarga.
- ✓ Tenga a mano materiales secos para limpieza de derrames.

Cuando disfrute del medio ambiente, ayude a protegerlo con el uso de estaciones de descarga de vehículos recreativos para mantener los contaminantes fuera de nuestras vías fluviales locales. Para encontrar estaciones de descarga o más recursos, visite Stormwater en (www.cityofvista.com/Stormwater) o llame a la línea directa de calidad del agua: 760-643-2804



DITCH THE DIRT!

Prevent Exposed Soil and Erosion

DO:

- ✓ Minimize the amount of exposed soil.
- ✓ Cover bare slopes with plants or mulch to prevent soil erosion.
- ✓ Cover and contain exposed soils until covered permanently.



DON'T:

- ✗ Leave disturbed soil unprotected.
- ✗ Discharge dirt or mud to the storm drain system.
- ✗ Over irrigate areas with little to no vegetation.



For additional information,
scan this QR code or call
760-643-2804



RV USERS

KNOW BEFORE YOU GO...



Use an RV dump station to keep
pollutants out of the outdoors.



For additional information,
scan this QR code or call
760-643-2804



ATTACHMENT D

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM
FY 2022-2023

I. COPERMITTEE INFORMATION

I.A Copermittee Name: County of San Diego (PIN 255223)
I.B Copermittee Primary Contact Name: Christine A. Tolchin
I.C Copermittee Primary Contact Information: Address: 5510 Overland Avenue, Suite 410
City: San Diego County: San Diego State: California Zip: 92123 Telephone: (619) 988-9748 Fax: (858) 495-5623 Email: Christine.tolchin@sdcounty.ca.gov

II. LEGAL AUTHORITY

II.A Has the Copermittee established adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>
II.B A Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative has certified that the Copermittee obtained and maintains adequate legal authority?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

III. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATE

III.A Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Water Board?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>
III.B If YES to the question above, did the Copermittee update its jurisdictional runoff management program document and make it available on the Regional Clearinghouse?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>

IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

IV.A Has the Copermittee implemented a program to actively detect and eliminate illicit discharges and connections to its MS4 that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>

IV.B.1 Number of non-storm water discharges reported by the public	437
IV.B.2 Number of non-storm water discharges detected by Copermittee staff or contractors	93
IV.B.3 Number of non-storm water discharges investigated by the Copermittee	530
IV.B.4 Number of sources of non-storm water discharges identified	121
IV.B.5 Number of non-storm water discharges eliminated	81
IV.B.6 Number of sources of illicit discharges or connections identified	91
IV.B.7 Number of illicit discharges or connections eliminated	67
IV.B.8 Number of enforcement actions issued	124
IV.B.9 Number of escalated enforcement actions issued	18

V. DEVELOPMENT PLANNING PROGRAM

V.A Has the Copermittee implemented a development planning program that complies with Order No. R9-2013-0001?	YES <input checked="" type="checkbox"/>
	NO <input type="checkbox"/>
V.B Was an update to the BMP Design Manual required or recommended by the San Diego Water Board?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>

V.C If YES to the question above, did the Copermittee update its BMP Design Manual and make it available on the Regional Clearinghouse?	YES <input type="checkbox"/>
	NO <input checked="" type="checkbox"/>

V.D.1 Number of proposed development projects in review	959
V.D.2 Number of Priority Development Projects in review	427
V.D.3 Number of Priority Development Projects approved	73
V.D.4 Number of approved Priority Development Projects exempt from any BMP requirements	0
V.D.5 Number of approved Priority Development Projects allowed alternative compliance	0
V.D.6 Number of Priority Development Projects granted occupancy	45

V.E.1 Number of completed Priority Development Projects in inventory	693
V.E.2 Number of high priority Priority Development Project structural BMP inspections	4,725
V.E.3 Number of Priority Development Project structural BMP violations	345
V.E.4 Number of enforcement actions issued	332
V.E.5 Number of escalated enforcement actions issued	0

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM**

FY 2022-2023

VI. CONSTRUCTION MANAGEMENT PROGRAM

VI.A Has the Copermittee implemented a construction management program that complies with Order No. R9-2013-0001?

YES
NO

VI.B.1 Number of construction sites in inventory	3,840
VI.B.2 Number of active construction sites in inventory	3,775
VI.B.3 Number of inactive construction sites in inventory	1
VI.B.4 Number of construction sites closed/completed during reporting period	1,504
VI.B.5 Number of construction site inspections	20,939
VI.B.6 Number of construction site violations	107
VI.B.7 Number of enforcement actions issued	124
VI.B.8 Number of escalated enforcement actions issued	25

VII. EXISTING DEVELOPMENT MANAGEMENT PROGRAM

VII.A Has the Copermittee implemented an existing development management program that complies with Order No. R9-2013-0001?

YES
NO

	Municipal	Commercial	Industrial	Residential
VII.B.1 Number of facilities or areas in inventory	a. 301	b. 3,638	c. 366	d. 110
VII.B.2 Number of existing development inspections	a. 2,126	b. 1,606	c. 115	d. 874
VII.B.3 Number of follow-up inspections	a. 1	b. 264	c. 19	d. 196
VII.B.4 Number of violations	a. 4	b. 964	c. 72	d. 615
VII.B.5 Number of enforcement actions issued	a. 1	b. 356	c. 17	d. 219
VII.B.6 Number of escalated enforcement actions issued	a. 0	b. 0	c. 0	d. 6

VIII. PUBLIC EDUCATION AND PARTICIPATION

VIII.A Has the Copermittee implemented a public education program component that complies with Order No. R9-2013-0001?

YES
NO

VIII.B Has the Copermittee implemented a public participation program component that complies with Order No. R9-2013-0001?

YES
NO

IX. FISCAL ANALYSIS

Has the Copermittee attached to this form a summary of its fiscal analysis that complies with Order No. R9-2013-0001?

YES
NO

X. CERTIFICATION

I [Principal Executive Officer Ranking Elected Official Duly Authorized Representative] certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Sarah E. Aghassi

Print Name

(619) 531-5451

Telephone Number

1/9/24

Date

Land Use and Environment Group Deputy Chief Administrative Officer

Title

Sarah.Aghassi@sdcounty.ca.gov

Email

ATTACHMENT D.1

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FORM BY WATERSHED

	JRMP ANNUAL REPORT BY WATERSHED	Watershed Management Area	SANTA MARGARITA RIVER	SAN LUIS REY RIVER	CARLSBAD	SAN DIEGUITO RIVER	LOS PENASQUITOS	SAN DIEGO RIVER	SAN DIEGO BAY	TIJUANA RIVER	JURISDICTION TOTALS
		Fiscal Year 2022-2023	Hydrologic Unit #	902	903	904	905	906	907	908, 909, 910	911
IV. ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM											
IV.B.1	Number of non-storm water discharges reported by the public		27	76	66	52	2	74	130	10	437
IV.B.2	Number of non-storm water discharges detected by Copermittee staff or contractors		6	13	14	3	0	24	28	5	93
IV.B.3	Number of non-storm water discharges investigated by the Copermittee		33	89	80	55	2	98	158	15	530
IV.B.4	Number of sources of non-storm water discharges identified		9	19	11	17	1	30	26	8	121
IV.B.5	Number of non-storm water discharges eliminated		6	15	9	8	1	19	18	5	81
IV.B.6	Number of sources of illicit discharges or connections identified		9	19	8	13	1	18	16	7	91
IV.B.7	Number of illicit discharges or connections eliminated		6	15	7	7	1	13	14	4	67
IV.B.8	Number of enforcement actions issued		11	26	15	15	1	27	21	8	124
IV.B.9	Number of escalated enforcement actions issued		2	4	1	5	0	2	1	3	18
V. DEVELOPMENT PLANNING PROGRAM											
V.D.1	Number of proposed development projects in review		28	139	137	164	2	193	229	67	959
V.D.2	Number of Priority Development Projects in review		6	78	67	73	0	89	78	36	427
V.D.3	Number of Priority Development Projects approved		0	10	7	9	0	13	17	17	73
V.D.4	Number of approved Priority Development Projects exempt from any BMP requirements		0	0	0	0	0	0	0	0	0
V.D.5	Number of approved Priority Development Projects allowed alternative compliance		0	0	0	0	0	0	0	0	0
V.D.6	Number of Priority Development Projects granted occupancy		0	1	9	19	0	12	3	1	45
V.E.1	Number of completed Priority Development Projects in inventory		15	101	102	146	0	139	139	51	693
V.E.2	Number of high priority Priority Development Project structural BMP inspections		66	367	452	1,280	0	1,437	877	246	4,725
V.E.3	Number of Priority Development Project structural BMP violations		7	34	23	153	0	33	32	63	345
V.E.4	Number of enforcement actions issued		7	32	25	135	0	37	29	67	332
V.E.5	Number of escalated enforcement actions issued		0	0	0	0	0	0	0	0	0
VI. CONSTRUCTION MANAGEMENT PROGRAM											
VI.B.1	Number of construction sites in inventory ¹		90	1,202	404	546	2	594	869	125	3,840
VI.B.2	Number of active construction sites in inventory ²		87	1,195	400	537	2	584	849	119	3,775
VI.B.3	Number of inactive construction sites in inventory		0	0	0	0	0	0	1	0	1
VI.B.4	Number of construction sites closed/completed during reporting period ³		38	655	115	188	0	184	286	32	1,504
VI.B.5	Number of construction site inspections ⁴		373	5,923	2,372	2,922	11	3,275	4,695	1,327	20,939
VI.B.6	Number of construction site violations		0	4	6	14	0	26	46	11	107
VI.B.7	Number of enforcement actions issued		5	32	14	12	0	15	33	13	124
VI.B.8	Number of escalated enforcement actions issued		0	4	4	3	0	6	7	1	25

	JRMP ANNUAL REPORT BY WATERSHED	Watershed Management Area	SANTA MARGARITA RIVER	SAN LUIS REY RIVER	CARLSBAD	SAN DIEGUITO RIVER	LOS PENASQUITOS	SAN DIEGO RIVER	SAN DIEGO BAY	TIJUANA RIVER	JURISDICTION TOTALS
	Fiscal Year 2022-2023	Hydrologic Unit #	902	903	904	905	906	907	908, 909, 910	911	
VII.	EXISTING DEVELOPMENT MANAGEMENT PROGRAM										
VII.B.1	Number of facilities or areas in inventory	a. Municipal	10	34	32	39	4	67	86	29	301
		b. Commercial	352	1,098	394	452	3	665	626	48	3,638
		c. Industrial	27	24	24	67	0	122	80	22	366
		d. Residential	12	11	11	22	1	15	21	17	110
VII.B.2	Number of existing development inspections	a. Municipal	42	230	160	283	38	567	619	187	2,126
		b. Commercial	326	457	267	114	0	235	196	11	1,606
		c. Industrial	12	7	10	26	0	41	17	2	115
		d. Residential	49	148	86	141	0	120	328	2	874
VII.B.3	Number of follow-up inspections	a. Municipal	0	0	0	0	0	1	0	0	1
		b. Commercial	60	49	67	14	0	50	24	0	264
		c. Industrial	0	0	1	5	0	11	2	0	19
		d. Residential	9	47	14	37	0	19	70	0	196
VII.B.4	Number of violations	a. Municipal	0	0	0	0	0	2	1	1	4
		b. Commercial	226	268	267	29	0	91	83	0	964
		c. Industrial	1	0	9	14	0	39	9	0	72
		d. Residential	24	129	56	86	0	60	260	0	615
VII.B.5	Number of enforcement actions issued	a. Municipal	0	0	0	0	0	1	0	0	1
		b. Commercial	84	92	90	12	0	44	34	0	356
		c. Industrial	0	0	2	2	0	11	2	0	17
		d. Residential	9	51	20	33	0	22	84	0	219
VII.B.6	Number of escalated enforcement actions issued	a. Municipal	0	0	0	0	0	0	0	0	0
		b. Commercial	0	0	0	0	0	0	0	0	0
		c. Industrial	0	0	0	0	0	0	0	0	0
		d. Residential	0	6	0	0	0	0	0	0	6

Notes:

1. The jurisdiction total is greater than the sum of the watershed totals since 8 projects span multiple watersheds.
2. The jurisdiction total is greater than the sum of the watershed totals since 2 projects span multiple watersheds.
3. The jurisdiction total is greater than the sum of the watershed totals since 6 projects span multiple watersheds.
4. The jurisdiction total is greater than the sum of the watershed totals since 41 inspections were conducted at projects that span multiple watersheds.

ATTACHMENT D.2

JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM
ANNUAL REPORT FISCAL ANALYSIS

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table of Contents

1.0	FISCAL ANALYSIS COMPONENT.....	1
1.1	Introduction.....	1
1.2	Fiscal Analysis Methods.....	1
1.3	Fiscal Analysis Results.....	1
1.3.1	Expenditures	1
1.3.2	Funding Sources.....	8
1.4	Conclusions and Recommendations	8

Tables

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023	1
Table 1.2 – Estimated Watershed Expenditures for FY 2022-2023	6
Table 1.3 – Estimated Regional Expenditures for FY 2022-2023	7
Table 1.4 – Total Estimated County Expenditures for FY 2022-2023.	7
Table 1.5 – Legal Restrictions on the Use of Program Funding.....	8

Jurisdictional Runoff Management Program

Fiscal Year 2022-2023 Annual Report

1.0 FISCAL ANALYSIS COMPONENT

1.1 INTRODUCTION

This section presents an estimated annual budget for the County of San Diego's (County) Jurisdictional Runoff Management Program (i.e., stormwater program) for Fiscal Year (FY) 2022-2023.

1.2 FISCAL ANALYSIS METHODS

The County continues to use the methodologies and standards established in *Fiscal Analysis Method* submitted by the San Diego County Copermittees in January 2009.

1.3 FISCAL ANALYSIS RESULTS

The County estimated its total FY 2022-2023 expenditures at \$64,800,645. This fiscal analysis addresses each of the County's Runoff Management Program elements (jurisdictional, watershed, and regional activities) for the current reporting period (FY 2022-2023). Expenditures are described by department and major program area.

The term "expenditures" as used in this section represents an estimate of the expenditures that the County incurred in meeting its compliance obligations for FY 2022-2023. They should not be interpreted as either budgeted or actual expenditures. Because stormwater program expenditures are distributed throughout a considerable number of County programs, a single consolidated "budget" does not exist for the program as a whole. As such, these figures should be considered best estimates of stormwater-related expenditures.

1.3.1 **Expenditures**

1.3.1.1 *Jurisdictional*

Table 1.1 presents the County's estimated jurisdictional expenditures for FY 2022-2023.

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
1	ADMINISTRATION	\$10,250,379	These costs correspond to the County Dept. of Public Works (DPW) - Watershed Protection Program (WPP) development, administrative oversight, and assessment of the County's stormwater programs. The WPP is responsible for the development of new and augmented County stormwater programs, regulatory reporting, and program assessment. Some administrative costs are associated with other specific functions shown below but are not included here because they could not be separated out.
2	DEVELOPMENT PLANNING	\$5,387,099	
A	Land Use Planning	\$23,342	
B	Environmental Review	\$0	Expenditures not reported for FY 2022-23; included in other elements.

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
C	Development Project Approval and Verification	\$5,363,758	See C1 and C2.
C1	Public Projects (CIP)	\$4,657,698	
	Administration	\$1,531,461	
	Project Planning and Engineering	\$2,663,285	Costs include preparing and reviewing plans and specifications for stormwater best management practices (BMPs), and Storm Water Pollution Prevention Plan/Water Pollution Control Plan review. These costs apply to DPW, Dept. of Parks and Recreation (DPR), and Dept. of General Services (DGS).
	Compliance Inspection and Enforcement	\$207,762	
	BMP Implementation	\$255,190	
C2	Private Projects	\$706,060	
	Permitting and Licensing	\$706,060	This cost includes the Dept. of Planning and Development Services (PDS) plan reviews at permitted sites. Reported costs are total costs which include staff time for in-house reviews and consultant fees for outsourced project Storm Water Quality Management Plan reviews.
3	CONSTRUCTION	\$8,729,475	
A	Public Projects (CIP)	\$5,357,866	
	Compliance Inspection and Enforcement	\$3,537,362	Costs include BMP compliance inspections during construction, and implementation of construction phase BMPs. These costs apply to DPW, DPR, and DGS. WPP also incurs expenditures for public project BMP implementation.
	BMP Implementation	\$1,820,504	
B	Private Projects	\$3,371,609	
	Compliance Inspection and Enforcement	\$3,371,609	This cost primarily covers DPW and PDS construction inspections at permitted sites. Total costs are estimated as fixed percentages of inspection program fees.
4	MUNICIPAL	\$25,725,222	
A	Administration	\$206,139	Expenditures associated with the administrative oversight of the stormwater programs, regulatory reporting, and program assessment of municipal facilities by WPP.
B	Streets, Roads, and Highways Element	\$10,356,426	
	Administration	\$630,135	
	Maintenance Inspections	\$6,079,810	Funded road operations activities include culvert inspections and cleaning; culvert waste disposal costs, street sweeping, installation and maintenance of BMPs and road structures, and the placement of additional controls. 10% of the Maintenance and Inspections and BMP Implementation is reported as Administration cost.
	BMP Implementation	\$762,237	
	Other	\$2,884,244	
C	MS4 Element	\$4,197,515	

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
	Administration	\$505,467	Costs include district operations by DPW Flood Control and countywide inlet mapping and drainage area delineations by WPP. The combined costs shown here apply across (1) DPW Flood Control -- conversion of existing concrete lined channels to natural bottom channels, updating flood control master plans, increased maintenance of flood control systems, and construction and maintenance of regional treatment BMPs; and (2) DPW Flood Control MS4 Operation & Maintenance -- maintenance on flood control facilities throughout the unincorporated areas of the County, exclusive of facilities within road rights-of-way (included in 4.B above).
	Maintenance Inspections	\$1,100,000	
	BMP Implementation	\$336,048	
	Other	\$1,156,000	
D	Solid Waste Facilities Element	\$855,091	
	Administration	\$136,673	Costs include Regional Board stormwater permit fees, consultant costs associated with stormwater upgrade and repair projects, and office staff time.
	Maintenance Inspections	\$18,441	Costs include staff time to perform site inspections.
	BMP Implementation	\$165,635	Costs include stormwater consultant site inspections, sampling/testing and BMP materials.
	Other (construction)	\$534,342	Drainage improvement projects and BMP site maintenance projects.
E	Wastewater Facilities Element	\$7,212,650	
	Administration	\$10,300	This includes costs associated with JRMP report, the sanitary sewer system and facilities including pump stations, sewage treatment plants and Spring Valley Operations facility. Also includes the cost of BMP design, acquisition, maintenance, and monitoring for wastewater Capital Improvement Projects, and major maintenance projects various wastewater facilities. Additional FY 2022-2023 costs include a sewer exfiltration study.
	Maintenance Inspections	\$53,045	
	BMP Implementation	\$80,000	
	Other	\$7,069,305	
F	Road Stations Element	\$668,952	
	Administration	\$144,918	This includes DPW road station operations related to Permit compliance. These figures were determined as 10% of the total costs reported by the DPW Roads Division for road-related expenditures (see Streets, Roads, and Highways above, 4.B). Additional FY 2022-2023 administration costs include funding for a WPP street sweeping ordinance research and development project.
	Maintenance Inspections	\$413,413	
	BMP Implementation	\$110,621	
	Other	\$0	
G	Fleet Maintenance Element	\$22,892	

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
	Administration	\$10,816	This includes costs associated with operation of the County's fleet maintenance and fueling facilities.
	Maintenance Inspections	\$9,364	
	BMP Implementation	\$2,712	
	Other	\$0	
H	Municipal Airfields Element	\$420,107	These costs involve site inspections, annual reporting, and maintenance of BMPs at airports, including oversight of tenant operations.
	Administration	\$24,750	
	Maintenance Inspections	\$30,989	
	Compliance Inspection and Enforcement	\$8,690	
	BMP Implementation	\$46,756	
	Other (sampling and analysis)	\$308,922	
I	Parks & Recreational Facilities Element	\$1,506,755	This includes pollution prevention homeless programs, inspection and maintenance tracking, and Facility Maintenance Plan updates for DPR.
	Administration	\$339,868	
	BMP Implementation	\$1,007,890	
	Compliance Inspection and Enforcement	\$158,998	
	Other	\$0	
J	Office Buildings & Other Municipal Facilities Element	\$196,189	DGS conducts a variety of storm water activities including: inspections and clean-up of County-owned, occupied, and leased facilities and vacant lands; maintenance and signage of storm drain inlet inserts and trash dumpsters; placement of inlet filters; maintenance of coverage and containment improvements for on-site supplies and materials; parking lot sweeping and controlled parking lot power washing; and application of erosion and sediment control measures. These costs are exclusive of fleet maintenance and fueling operations.
	Administration	\$0	
	Maintenance Inspections	\$122,799	
	BMP Implementation	\$73,390	
	Other	\$0	
K	Management of Pesticides, Herbicides, & Fertilizers	\$82,505	The Integrated Pest Control Program within the Department of Agriculture, Weights and Measures (AWM) performs eradication and control of invasive
	Administration	\$0	
	Maintenance Inspections	\$0	
	BMP Implementation	\$0	

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
	Other	\$82,505	weeds. This program also provides weed control on roadsides, airports, flood control channels, sewage treatment plants and inactive landfills. Also provides structural pest control to facilities owned and operated by the County.
5	INDUSTRIAL and COMMERCIAL	\$2,146,331	
	Administration	\$469,313	
	Compliance Inspection and Enforcement	\$1,169,502	DPW and AWM conduct inspections of a variety of businesses in the unincorporated County, provide regulatory oversight of mobile businesses, and conduct follow-up and enforcement of stormwater violations.
	Educational Outreach	\$331,931	
	Other Expenditures	\$175,586	
6	RESIDENTIAL	\$1,941,399	
	Administration	\$396,544	DPW conducts complaint investigations for residential sources in the unincorporated County, and conduct follow-up and enforcement of stormwater violations. DPW also operates a regional hotline.
	Compliance Inspection and Enforcement	\$699,892	
	Educational Outreach	\$844,963	Several County departments coordinate and provide outreach to the residential sector and schoolchildren in support of Permit Section D.5 requirements. Costs reported here correspond to DPW only. Funded activities include developing pollution prevention content and providing direct outreach to various target audiences within the general residential and school children target audiences.
7	IDDE	\$1,826,928	
	Illicit Discharge Detection and Elimination (IDDE)	\$1,826,928	DPW conducts monitoring programs, assesses scientific data, and provides technical and scientific support to other County program staff. They also provide support for all technical and scientific aspects of JRMP development and implementation. These costs are exclusive of the regional monitoring program which is addressed separately under regional costs.
8	EDUCATION	\$0	Education costs are included in the costs of other JRMP components as applicable.
9	PUBLIC PARTICIPATION	\$2,384,139	Public participation costs reflect the County's rebates and incentives program. Other public participation activities are included in the costs of other JRMP components as applicable.
10	SPECIAL INVESTIGATIONS	\$149,036	Includes costs associated with special investigations such as septic system and MS4 mapping analysis.

Jurisdictional Runoff Management Program
Fiscal Year 2022-2023 Annual Report

Table 1.1 – Estimated Jurisdictional Expenditures for FY 2022-2023

Program Component		Expenditure	Explanation/Notes
11	NON-EMERGENCY FIREFIGHTING	\$0	Expenditures not reported for FY 2022-2023.
	Total Estimated Jurisdictional Expenditures	\$58,540,009	

1.3.1.2 Watershed

Table 1.2 presents the County's estimated watershed expenditures for FY 2022-2023 by watershed management area (WMA).

Table 1.2 – Estimated Watershed Expenditures for FY 2022-2023

WMA	Administration	Cost Share Contribution ^{1, 2}	Watershed Activities	Expenditures ³
Santa Margarita River	\$187,510	\$33,872	\$362,001	\$583,383
San Luis Rey River	\$231,941	\$125,285	\$466,448	\$823,673
Carlsbad	\$151,876	\$40,276	\$153,932	\$346,083
San Dieguito River	\$167,213	\$175,907	\$42,559	\$385,679
Los Peñasquitos	\$94,280	\$27,264	\$15,989	\$137,533
San Diego River	\$344,567	\$1,228,267	\$1,049,834	\$2,622,668
San Diego Bay	\$183,343	\$106,688	\$-	\$290,031
Tijuana River	\$173,350	\$62,385	\$15,607	\$251,342
Total Estimated Watershed Expenditures³	\$1,534,082	\$1,799,944	\$2,106,368	\$5,440,394

¹ The County directly pays its share of costs for the Santa Margarita River WMA except for the cost share agreement for the Santa Margarita River Estuary IO Monitoring and Assessment; all other routine Water Quality Improvement Plan implementation costs are shared among Riverside County Copermittees in a cost share agreement to which the County of San Diego is not a party.

² The San Luis Rey River WMA and San Diego River WMA cost share contribution amounts reflect the entire shared cost budgets for those WMAs since the County, as the watershed lead, administers the activities for which the costs are shared.

³ Watershed and overall totals may differ slightly from the sum of the individual components due to rounding.

Jurisdictional Runoff Management Program

Fiscal Year 2022-2023 Annual Report

1.3.1.3 Regional

Table 1.3 presents the County's estimated regional expenditures for FY 2022-2023. These activities are completed together with the other Copermittees through regional workgroups.

Table 1.3 – Estimated Regional Expenditures for FY 2022-2023

Workgroup/Activity	Approved Budget ¹
Program Planning Subcommittee	\$243,763
Project Clean Water Workgroup	\$260,266
Land Development Workgroup	\$285,714
Association Memberships	\$30,500
Total Estimated Regional Expenditures	\$820,243

¹ Does not include contract management costs.

1.3.1.4 Total Expenditures

Table 1.4 presents the County's estimated total expenditures for FY 2022-2023.

Table 1.4 – Total Estimated County Expenditures for FY 2022-2023.

Component	Estimated Expenditures
Jurisdictional	
Administration	\$10,250,379
Development Planning	\$5,387,099
Construction	\$8,729,475
Municipal	\$25,725,222
Industrial And Commercial	\$2,146,331
Residential	\$1,941,399
IDDE	\$1,826,928
Education	\$0
Public Participation	\$2,384,139
Special Investigations	\$149,036
Non-emergency Firefighting	\$0
Jurisdictional Total	\$58,540,009
Watershed Management Area	
Santa Margarita River	\$583,383
San Luis Rey River	\$823,673
Carlsbad	\$346,083
San Dieguito River	\$385,679
Los Peñasquitos	\$137,533
San Diego River	\$2,622,668
San Diego Bay	\$290,031
Tijuana River	\$251,342
Watershed Total	\$5,440,394
Regional Total	\$820,243
Total Estimated County Expenditures	\$64,800,645

Jurisdictional Runoff Management Program

Fiscal Year 2022-2023 Annual Report

1.3.2 Funding Sources

Table 1.5 shows the major sources of funding for the County's runoff management programs in FY 2022-2023 and describes the legal restrictions applicable to the use of each.

Table 1.5 – Legal Restrictions on the Use of Program Funding

Funding Source	Legal Restrictions
General Fund	There are no restrictions on the use of general fund for County water quality programs and activities except that they must be used only for the purposes for which they are budgeted and allocated by the County Board of Supervisors.
Flood Control District Fees	Revenue generated from these fees must be expended for activities related to flood and storm management.
Developer Deposits / Permit Fees	Deposits / fees may be used only to fund activities related to the work for which the permits are issued.
Gas Tax	Gas Tax is collected by the state and allocated to local government for transportation-related work including maintenance of existing transportation systems and construction of new transportation facilities. These funds may not be used for other purposes.
Sanitary District Fees	Sanitary District Fees are used for work related to the maintenance of sewer lines, pump stations, force mains, and several treatment plants that serve the unincorporated areas. They may be used only for such maintenance-related purposes within the respective sewer district for which they are collected.
Other Funding Sources	Other funding sources collectively account for a relatively small portion of ongoing expenditures. However, all funding for the County's stormwater compliance programs is expended within applicable legal restrictions and limitations.

1.4 CONCLUSIONS AND RECOMMENDATIONS

The figures presented here are an estimate of the expenditures that the County incurred to meet its compliance obligations for FY 2022-2023. For the reasons explained above, they should be considered only best estimates of stormwater-related expenditures.