



**CITY OF DANA POINT**  
**MS4 WQIP JURISDICTIONAL RUNOFF**  
**MANAGEMENT PROGRAM (JRMP) ANNUAL REPORT FY22-23**  
**REPORTING PERIOD: JULY 1, 2022 - JUNE 30, 2023**

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PIN: 219073, SMARTS Identifier: 9 0000511S2

This annual report submittal contains the following:

**EXECUTIVE SUMMARY**

- **ATTACHMENT 1:** JRMP Annual Report Form Attachment D-3 & Signed Certification Statement
- **ATTACHMENT 2:** Fiscal Analysis
- **ATTACHMENT 3:** Dana Point Local Implementation Plan (LIP) & Water Quality Improvement Plan (WQIP) Strategies for Pathogen Health Risk High Priority Water Quality Condition
- **ATTACHMENT 4:** MS4 Outfall Dry Weather Flow Investigation Work Plan Summary Table

**EXECUTIVE SUMMARY**

**INTRODUCTION**

The primary objective of the 2022-23 Jurisdictional Runoff Management Program (JRMP) Annual Report is to summarize progress regarding implementation of the City's stormwater program between July 1, 2022 and June 30, 2023, under Order R9-2013-0001, as amended by R9-2015-0001 & R9-2015-0100 (Permit), as the South Orange County Water Quality Improvement Plan (WQIP) was accepted by the Regional Water Quality Control Board (RWQCB) on June 20, 2018. No Local Implementation Plan (LIP) updates were required for this reporting period. Metrics for water quality program components and the signed certification statement are provided in **ATTACHMENT 1**. The annual fiscal summary is provided in **ATTACHMENT 2**.

**SUMMARIES OF WATERBODIES & ACHIEVEMENTS DURING FY22-23**

**Implementation of South Orange County Water Quality Management Plan (WQIP)**

The County of Orange and Co-Permittee Cities continue to implement the South Orange County Water Quality Improvement Plan (WQIP) which identifies the region's highest priority water quality conditions as: 1) Pathogen Health Risk, 2) Unnatural Water/Balance/Flow Regime, and 3) Channel Erosion/Geomorphic Impacts. South Orange County has taken an

integrated, innovative and engaging approach to address water quality priorities in our Region. The City of Dana Point (Dana Point) has been an active participant in three Areas of Investigation (AOI) studies as part of the Comprehensive Human Waste Source Reduction Strategy (CHWSRS), including AOI-DP1, AOI-SJC2, & AOI-SJC1. The data generated from the Outfall Capture Feasibility Study (OCFS) helps to support the AOI studies and guide future investigations and management decisions. **ATTACHMENT 3** provides a summary of the City's efforts to meet the goals and objectives described in the WQIP. **ATTACHMENT 4** provides a summary of the outfalls in Dana Point, status of investigations, Best Management Practice (BMP) Implementation and other prudent information that helps to guide the City's efforts in prioritized manner. Regional WQIP Program highlights, milestones, progress milestones, monitoring data and the Integrated Assessment are reported separately in the South Orange County WQIP Annual Report submitted on behalf of the co-permittees by the County of Orange.

### **Heal the Bay 2022-2023 Beach Report Card**

Orange County beach fared very well again in the Annual Heal the Bay Beach Report Card. Summer dry weather grades surpassed the average with 98% of the beaches receiving A and B grades. Winter dry grades were stellar with 94% of the beaches receiving A and B grades. Wet weather grades were also better than average with 63% of the beaches receiving A and B grades. This is all with 166% higher than average rainfall.

Reference: Heal the Bay, 2022-2023 Beach Report Card, [https://healthebay.org/wp-content/uploads/2023/06/Beach-Report-Card-2022-2023.pdf?fbclid=IwAR3ZOIM1DsAV9MdFfLR1MYp\\_08YrQMAvtnjtzvNO9XKqDKdrZZ4iA7b-tjA](https://healthebay.org/wp-content/uploads/2023/06/Beach-Report-Card-2022-2023.pdf?fbclid=IwAR3ZOIM1DsAV9MdFfLR1MYp_08YrQMAvtnjtzvNO9XKqDKdrZZ4iA7b-tjA)

### **San Juan Creek / Doheny State Beach / Capistrano Beaches**

#### San Juan Creek

San Juan Creek is a large watershed, encompassing over 160 square miles. Although the outlet of San Juan Creek is located in Dana Point (City), the City only encompasses approximately 2.26 percent of the watershed, based on population and land area (1.54 square miles). City and County agencies within the San Juan Creek watershed include, in addition to Dana Point, County of Orange/Orange County Flood Control, Mission Viejo, San Juan Capistrano, Ranch Santa Margarita and small portions of Laguna Niguel and Laguna Hills (both approximately 1% land area each).

Dana Point has been an active participant in outfall investigations in this watershed. Please refer to the CHWSRS Update for AOI-SJC2 and AOI-SJC1 in the WQIP Annual Report.

Dana Point continues to operate its two diversions and trash separation units in the San Juan Creek watershed, referred to as Alipaz and Del Obispo. The diversions are manually operated and activated during the summer during dry weather. The diversions must be deactivated with forecasted rain events. Note: South Orange County Wastewater Authority (SOCWA) Permit allows operation from April 15- October 15 during non-rain events. The trash separation units operate continuously all year long.

### Doheny State Beach

At the end of the large San Juan Creek Watershed, as described above, lies Doheny State Beach with a large naturally forming scour pond that provides habitat for birds and wildlife. The water quality at the beach has shown significant improvement over time, but there are still challenges in meeting the current bacteria standards at times. Data has shown significant reduction in bacteria loads through the implementation of BMPs; however, the applicability of the natural source exclusion policy (due to a high bacteria loading from avian sources) or other alternative standards may need to be explored. Large numbers of birds congregate in the pond, and on the sand berm and in ocean.



Large numbers of birds  
at pond at Doheny State  
Beach 3-23-23

Dana Point also operates a dry weather diversion and trash separation unit for an outfall that outlets at the north end of Doheny State Park referred to as the "North Creek" facility. The

diversions are manually operated and activated during the summer during dry weather. The diversions must be deactivated with forecasted rain events. Flows have decreased significantly since 2005 (60,000 GPD) to 22,000 average GPD. Note: SOCWA Permit allows operation from April 15- October 15 during non-rain events.

### Capistrano Beaches

The City operates the Capo Beach Diversion & trash separation unit in the Capistrano Beach area, known as "Capo Beach". The diversions are manually operated and activated during the summer during dry weather. The diversions must be deactivated with forecasted rain events. Flows have decreased significantly since 2005 (estimated 60,000 GPD) to 15,000 average GPD. Note: SOCWA Permit allows operation from April 15- October 15 during non-rain events. This drainage area is known to have surfacing groundwater.

The Heal the Bay grades for Doheny State Beach were predominantly excellent to very good in dry weather. Wet weather grades at San Juan Creek were challenged this year. As mentioned, this is a very large watershed with large volumes of flow during wet weather and a high number of birds that congregate regularly in San Juan Creek. Capistrano Beaches received excellent grades. The individual grades follow:

### **Heal the Bay Beach Grades from Annual Beach Report Card**

	Summer Dry	Winter Dry	Wet Weather
Doheny Beach	A	A	F
Doheny, at San Juan Creek	A	A	F
Doheny, mid beach, north of San Juan Creek	A+	A	F
Doheny, Last Campground	A+	A	F
Doheny, North Beach	A	F	F
Doheny, Pedestrian Bridge	A+	A+	F
Doheny, End of the Park	A+	A+	F
San Juan Creek	B	F	F
Capistrano County Beach	A+		
Capistrano Bay Community Beach	A		A+
Capistrano Beach at Camino Estrella	A+		

Reference: Heal the Bay, 2022-2023 Beach Report Card, [www.healthebay.org](http://www.healthebay.org).

### **Salt Creek / Monarch Beach**

Dana Point continues to operate its award-winning ozone facility during dry weather months. This is the City piloted an extended operating season beginning in April. The project overall has

demonstrated to be very effective in reducing bacteria levels from the MS4 (Municipal Separate Storm Sewer System) to well-below standards. However, bird defecation is a recognized natural source contributor to surface water quality indicator bacteria exceedences in the surf zone right at point zero (after the MS4). In July 2016, the Dana Point City Council approved a Resolution authorizing the remediation of a bird nuisance at Salt Creek (in accordance with DPMC Chapter 10.14.040) with the intent of piloting a bird deterrent project, based on a successful similar project at Poche Beach. The Nuisance Bird Deterrent Project consists of a falconer who uses a natural predator, generally a Harris Hawk, to prevent the nuisance birds from congregating at the outlet, while protecting sensitive species. A Technical Memo describing the success of the project has been submitted previously. When funding is available, the County of Orange, the City of Dana Point and Monarch Beach Resort partner to fund a Nuisance Bird Deterrent project at the Salt Creek outlet. The bird deterrent project was implemented from April through October for the 2023 summer season.

Beach locations exhibited good water quality, with the point zero testing location still posing some challenges as the falconer is effective at dramatically reducing the population of birds that congregate in this area but does not completely eliminate all of the birds at all times. The birds are a natural source of bacteria along the coast. Salt Creek and Monarch Beach had good water quality in wet weather.



**Heal the Bay Beach Grades from Annual Beach Report Card**

	Summer Dry	Wet Weather
Monarch Beach at North	C	B
Monarch Beach, 150' North of Salt Creek Mouth	A	A+
Salt Creek Beach	A	A+
Dana Strands Beach, AWMA	A+	
Marine Science Institute Beach	A+	A+

Reference: Heal the Bay, 2022-2023 Beach Report Card, [www.healthebay.org](http://www.healthebay.org).



Through the WQIP, watershed partners, including the City of Laguna Niguel and County of Orange are implementing several programs to help identify issues and the subsequent development of appropriate management actions, including the outfall capture feasibility study, the Comprehensive Human Waste Source Reduction Strategy and the outfall monitoring program. Recycled water use is prominent in this watershed which does posed challenges with the bacteria source investigations, as the recycled water in this region contains HF183, which is currently being used as a tool to try and detect sources of human waste. Propidium monoazide (PMA) was used as a tool to differentiate HF183 from potential sewage and recycled water (PMA-HF183 indicates viability of signal measured). Other specialized tests, including acetaminophen and sucralose, helped to confirm that recycled water is the primary sources of HF183 marker in the AOI-DP1 study area withing the Salt Creek watershed. The Salt Creek watershed is estimated to be approximately 70% Laguna Niguel and 30% Dana Point.

### Baby Beach

The water quality improvements at Baby Beach have become a success story. Multiple agencies, including Dana Point, Orange County Watersheds, and Orange County Parks have developed a cooperative and effective relationship to address the Total Maximum Load (TMDL) for Baby Beach. With the significant collaboration between these agencies, the milestone load reductions were achieved. Success is also evident based on the good grades the beach received from Heal the Bay (see below).

### Heal the Bay Beach Grades from Annual Beach Report Card

	Summer Dry (Apr-Oct)	Wet Weather
Baby Beach - West End	A	C
Baby Beach - Buoy Line	A	A+
Baby Beach - Swim Area	A	A+
Baby Beach - East End	A	A+
Guest Dock	A	A+
Youth Dock	A+	A+

	Summer Dry (Apr-Oct)	Wet Weather
Fuel Dock	A+	A+
Dana Point Harbor Pier	A	A+
Dana Point Harbor Patrol Dock	A	D
Dana Point Harbor, M Dock (East Basin)	A	C
Dana Point Harbor, Pilgrim Dock	A	A+

Reference: Heal the Bay 2022-2023 Beach Report Card, [www.healthebay.org](http://www.healthebay.org).

Please also refer to the Baby Beach Annual Progress Report for FY22-23 as part of the WQIP Annual Report, submitted by the County on behalf of the watershed partners for further details.

### **California Bacteria Summit**

The City welcomed and participated in the California Bacteria Summit co-hosted by the California Water Boards and California Storm Water Quality Association (CASQA) held in September 2022. The challenges of addressing indicator bacteria standards are widely recognized in the industry and this summit was a productive first step in bringing the stakeholders and experts together to discuss the topic. The purpose of the summit and subsequent efforts is to “understand what it means to have waters that are safe to swim and shellfish that are safe to eat, based on the latest science and learnings, and identify action needed to achieve those outcomes”. The three-day summit touched on the evolution of the standards and current science, current source reduction and regulatory tools, including what is working and what falls short and potential opportunities, and identifying regulatory action, research needs and next steps.

The City looks forward to future participation and the knowledge and outcomes that may result from this collaborative effort. The materials from the summit can be found here: <https://www.waterboards.ca.gov/bacterialobjectives/#bsummit>. Planning is underway for a follow-up summit in 2024.

### **CONCLUSION/RECOMMENDATIONS**

Dana Point continues to implement a robust municipal water quality program to comply with the Permit and implement the City's Local Implementation Plan (LIP) and South Orange County Water Quality Improvement Plan (WQIP). City actions and strategies being implemented are described in **ATTACHMENT 3** included in this report. Regional progress towards meeting the goals and objectives of the WQIP is reported in the WQIP Annual Report submitted by the County of Orange on behalf of the co-permittees. Dana Point will continue to work closely with the Regional Water Quality Control Board staff to streamline reporting to provide information necessary to demonstrate progress and compliance as Regional Permit Renewal continues.

The WQIP approach and programs have created a myriad of venues for collaboration and stakeholder involvement and partnerships with multiple agencies. The CHWSRS AOI workgroups have demonstrated that it is crucial for water and sewer agencies and MS4s to work together to address water quality priorities. In Dana Point's experience, partnership with SOCWA, SCWD, MNWD, San Juan Capistrano Utilities, Santa Margarita Water District and San Juan Basin Authority have been instrumental to success. As we continue on the journey to improve water quality and recognizing the notable progress to date, challenging issues remain,

such as recycled water runoff (regulated under a separate permit and under jurisdiction of separate entities) and non-anthropogenic sources of bacteria. Recycled water in South Orange County appears to contain HF183 which complicates human bacteria source investigations. There are also waterbodies that are wildlife impacted.

Dana Point will continue to implement its LIP and be an active participant in the WQIP program addressing the highest priority water quality conditions, specifically Pathogen Health Risk and Unnatural Water Balance. During the next reporting period, Dana Point will continue to focus on Bacteria Total Maximum Daily Load (TMDL) assessment and compliance, investigations at the highest priority outfalls using the work plan (summary of outfalls provided in **ATTACHMENT 4**), and implementation of the Comprehensive Human Waste Source Reduction Strategy. With new science and knowledge and recognized flaws, the indicator bacteria TMDL reopener is justified and overdue. Other tools, such as the Natural Source Exclusion Approach (NSEA), Site Specific Objectives (SSOs), and/or Wildlife Impacted may need to be explored. We hope that the bacteria summit will provide a venue to help to facilitate smart decisions regarding standards so that efficient and effective implementation of bacteria TMDL can be done, while providing safe waters to swim.

Dana Point will also continue to populate the Orange County Stormwater Tools Database (<https://www.ocstormwatertools.org/>) which allows for modeling of water quality program implementation progress, future tracking, and reporting of the full capture trash regulations. In addition, the Regional MS4 Permit renewal has commenced and it is anticipated that workgroups will continue in 2024.

This full report and the County-wide WQIP Annual Report can be found on the Regional Clearinghouse here:

South OC 2022-2023 WQIP Annual Report: <https://ocgov.box.com/v/2022-23WQIPAnnualReport>

2022-2023 JRMP Annual Reports: <https://ocgov.box.com/v/2022-23JRMPAnnualReport>

Please note that the City is in receipt of Notices of Violation (NOV) dated December 15, 2023 for failure to comply with the requirements prescribed in specific Provision 5 of Attachment E to Order No. R9-2013-0001, as Amended, for the Total Maximum Daily Load for Indicator Bacteria, Baby Beach in Dana Point Harbor (Bay Beach Bacteria TMDL) and to the San Juan Watershed Management Area Copermittees for the 2020-2021 WQIP Annual Report for Failure to Comply with the Requirements Prescribed in Order No. R9-2013-0001, as Amended. These NOV letters will be responded to separately.



However, in response to 3.E. WQIP Copermittee BMP Design Manuals, please note that the Orange County BMP Design Manual is a companion document to the City of Dana Point's Local Implementation Plan (LIP) which was adopted by Dana Point City Council on March 21, 2017 and enforced through City of Dana Point Municipal Code (DPMC) 15.10.060 Control of Surface Runoff from Development. Section 7 of the City's LIP describes the City's planning, permitting and submittal requirements as part of the City's water quality development program. All the information is provided on the City's website here: [www.danapoint.org/wgrequirements](http://www.danapoint.org/wgrequirements).

**JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM**  
**CITY OF DANA POINT ANNUAL REPORT FORM**  
**FY 2022-23**

I. COPERMITTEE INFORMATION	
Copermittee Name: <a href="#">City of Dana Point</a>	
Copermittee Primary Contact Name: <a href="#">Lisa Zawaski</a>	
Copermittee Primary Contact Information: <a href="#">Dana Point City Hall</a> Address: <a href="#">33282 Golden Lantern, Public Works Suite 212</a> City: <a href="#">Dana Point</a>   County: <a href="#">Orange</a>   State: <a href="#">CA</a>   Zip: <a href="#">92629</a> Telephone: <a href="#">949-248-3584</a>   Fax: <a href="#">N/A</a>   Email: <a href="mailto:lwawaski@danapoint.org">lwawaski@danapoint.org</a>	
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 UPDATES	
Was an update of the jurisdictional runoff management program document required or recommended by the San Diego Regional 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? The City's Local Implementation Plan is available on the OC clearinghouse at: <a href="https://ocgov.app.box.com/v/SDR-WQIP-Clearinghouse">https://ocgov.app.box.com/v/SDR-WQIP-Clearinghouse</a> and the City's website: <a href="http://www.danapoint.org/environmental">www.danapoint.org/environmental</a> .	YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <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	38
Number of non-storm water discharges detected by Copermittee staff or contractors	4
Number of non-storm water discharges investigated by the Copermittee	42
Number of sources of non-storm water discharges identified	33
Number of non-storm water discharges eliminated	33
Number of sources of illicit discharges or connections identified <i>*this number is physical illicit connections</i>	0
Number of illicit discharges or connections eliminated <i>*this number is physical illicit connections</i>	0
Number of enforcement actions issued	36
Number of escalated enforcement actions issued (includes actions more than Notice of Violation/Compliance, i.e. Stop Work, Administrative Citations)	7
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? <a href="#">Per NOV dated December 15, 2023. Note that discussions are ongoing and response is pending.</a>	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? <a href="#">Regional Clearinghouse continues to be hosted here: https://ocgov.app.box.com/v/SDR-WQIP-Clearinghouse. Please see response at the end of Executive Summary and note discussions in progress. The City's development program requirements can be found here: www.danapoint.org/wgrequirements.</a>	YES <input type="checkbox"/> NO <input type="checkbox"/> In progress <input checked="" type="checkbox"/>
Number of proposed development projects in review (includes projects pending issue of a Grading Improvement Permit and Discretionary reviews pending approval or issuance of Permits)	Grading= 71 Discretionary = 149 Total = 220
Number of Priority Development Projects in review (includes projects without an approved "Final" WQMP)	8
Number of Priority Development Projects approved (includes only Final WQMP approvals)	7

As amended by Order No. R9-2015-0001 &amp; R9-2015-0100

Number of approved Priority Development Projects exempt from any BMP requirements (Only Hydromodification Management Requirements Exemptions in effect per Permit are allowed)

2

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 (seven added new this reporting period)

30

Number of high Priority Development Project structural BMP inspections/verifications (Note: all existing during reporting period were verified)

23

Number of Priority Development Project structural BMP violations

5

Number of enforcement actions issued

5

Number of escalated enforcement actions issued

0

**VI. CONSTRUCTION**

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

YES ☒NO ☐

Number of construction sites in inventory (current # Grading Permit sites = 76)

256

Number of active construction sites in inventory

256

Number of inactive construction sites in inventory

0

Number of construction sites closed/completed during reporting period (Grading Permits Finaled). Note: new process that requires all fees to be paid before projects are finaled

23

Number of construction site inspections

2257

Number of construction site violations

50

Number of enforcement actions issued

50

Number of escalated enforcement actions issued

7

**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	38	139	1	79
Number of existing development inspections	38	124	1	11 RMAs
Number of follow-up inspections	City Parks & Medians inspected on a routine basis (weekly)	100	1	0
Number of violations	1	49	1	0
Number of enforcement actions issued	0	75	0	0
Number of escalated enforcement actions issued	0	****	****	****

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 ☐

Notes:

\*Commercial inventory includes 114 food facilities and 25 other types of priority commercial

As amended by Order No. R9-2015-0001 &amp; R9-2015-0100

businesses totaling 139.

\*\* Industrial sites included are those that are subject to the State Industrial General Permit, Pickering Properties: 25802 Victoria Blvd Dana Point California 92624, WDID: 9 30I023824. Note that SOCWA is a No Discharge Site, WDID 930NNA000193.

\*\*\* Residential Areas include 76 HOAs and three residential management areas (RMAs) as described in WQIP

\*\*\*\* Escalated enforcement actions would be included in Section IV.

**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

Lisa Zawaski

Print Name

949-248-3584

Telephone Number

1-22-2024

Date

Senior Water Quality Engineer

Title

lzawaski@danapoint.org

Email

ATTACHMENT D: JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM ANNUAL REPORT FORM

<b>CAPITAL COSTS</b>
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**Fiscal Analysis Summary**

LIP Program Elements	FY22-23 Costs	Projected Costs FY23-24
Public Projects - BMPs	\$0	\$0
Capital Projects / Major Equipment Purchases		
FY22-23 CIP Fund 11: Storm Drain Master Planning & Improvements Design - \$230,054 Storm Drain Repairs - \$187,046 Calle Portola Storm Drain Improvements- \$4,755 Salt Creek Ozone Treatment Facility Major Repairs - \$10,020  FY23-24 Projected: Violet Lantern Storm Drain Improvements - \$350,000 Calle Real & Calle Portola Storm Drain, \$3,446,000 Citywide Stormdrain Repairs, \$200,000 Salt Creek Ozone Treatment Facility Major Repairs- \$42,000	\$431,875	\$4,038,000
<b>TOTALS</b>	<b>\$431,875</b>	<b>\$4,038,000</b>

<b>OPERATIONS &amp; MAINTENANCE</b>
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LIP Program Elements	FY22-23 Costs	Projected Costs FY23-24
Supportive of Program Administration: Communications (57-2010) Office Supplies (57-2070) Memberships & Dues (57-2090) Books & Subscriptions (57-2130) Training (57-2150) Travel, Conf., Meetings (57-2270) Mileage Reimbursement (57-2290) Legal Fees (Admin Budget)	\$14,536	\$15,000
Staff Resources	\$716,785	\$738,288
Municipal Activities (LIP Section 5.0) 57-2510, Storm Drains: Co-permittee Share, SOCWMA, NDPES Permit Fee, SJC TMDL Cost-Share, Structural BMP O&M (Diversions, Salt Creek Ozone Treatment Facility), ID/IC	\$349,079	\$400,000
Municipal Activities (LIP Section 5.0)  County crew- trash/litter control, street & storm drain maintenance, encampment, clean up equipment, yard maintenance, trainings, crew, supervisor	\$152,887	\$200,000
Municipal Activities (LIP Section 5.0)  Trash & debris control BMP O&M, storm emergencies, video inspection (52-2510)	\$355,244	\$500,000
Municipal Activities (LIP Section 5.0) Street Sweeping (52-2490)	\$202,939	\$250,000
Municipal Activities (LIP Section 5.0): Park & Median Maintenance, Irrigation System Maintenance, Trash Management In Parks, Mutt Mitts (52-2110, 52-2450 & 52-2550 (Landscape vendor contract - irrigators)	\$126,870	\$150,000
Public Information (LIP Section 6.0) Nonpoint Source Pollution Awareness (Operating Supplies, including printing outreach materials, water quality booth, 57- 2110)	\$5,035	\$6,000
Existing Development (LIP Section 9.0) Industrial/Comm./HOA Inspections, 57-2230	\$13,370	\$18,000
Professional Services, including WQ Tech Support, Bird Abatement at Salt Creek (57-2230)	\$102,854	\$145,000
<b>TOTAL: General Fund</b>	<b>\$2,039,599</b>	<b>\$2,422,288</b>



LIP Funding Sources	FY 2022-23 Funding Sources	FY 2023-24 Projected Funding Sources
General Fund - O&M	\$2,039,599	\$2,422,288
General Fund - Capital Costs	\$431,875	\$4,038,000
Utility Tax/Charges		
Separate Utility Billing Item		
Gas Tax		
Special District Fund	fill out funds below	
- Sanitation Fee		
- Benefit Assessment		
- Fleet Maintenance Fund		
- Community Services Fund		
- Water Fund		
- Sewer & Storm Drain Maintenance Fee		
Other:		
<b>TOTAL</b>	<b>\$2,471,474</b>	<b>\$6,460,288</b>
Other:		
Other:		
Other:		
Other:		

General Fund	100.00%	100.00%
Utility Tax/Charges	0.00%	0.00%
Separate Utility Billing Item	0.00%	0.00%
Gas Tax	0.00%	0.00%
Special District Fund	0.00%	0.00%
Other	0.00%	0.00%
<b>TOTAL</b>	<b>100.00%</b>	<b>100.00%</b>

Dana Point

1.1 LIP Strategies

Table 1.1 Municipal Activities

Activities	Narrative (all)	Metrics Assessed	Metric Response
Trash and Debris Control	<p>The City implements a robust program for proper waste management including a litter ordinance, providing adequate public trash receptacles in parks &amp; along trails &amp; strategic locations around city with frequent service &amp; providing special/bulky item clean ups and curbside pick-up for residents.</p> <p>Residents have the following programs as part of their trash service:</p> <p>Food recycling as part of the green waste recycling program (now referred to as organics). As of January 1, 2020, Dana Point residents can place food scraps and food-soiled paper in their green waste carts (now referred to as the organics cart).</p> <p>The City’s waste program provides for free Residential On-call Household Hazardous Waste (HHW) Pick-up Service Program to make it easy and convenient for residents to properly dispose of HHW, two (2) curbside bulky item pick-ups per year and collection events throughout the year, and free Drop-off locations for batteries, bulbs, cell phones, medications and sharps.</p> <p>Various groups do beach clean-ups throughout the year, Stand Up for Trash, Surfrider, Doheny State Parks, etc.</p>	N/A	N/A
Drainage Facility Maintenance – MS4 Inspections/Cleaning	<p>The County performs MS4 Outfall Discharge Monitoring Program –Dry Weather Field Screenings on behalf of Permittees and notes visual observations of maintenance, IDIC, and trash conditions at “priority” outfalls. If trash, etc. was noted at a priority outfall under the jurisdiction of Dana Point, the City will follow-up and has a work plan to address ongoing investigations.</p> <p>Total length of storm drain pipes cleaned equals approximately 2,000 LF.</p> <p>1,000 feet channel cleaned (Del Obispo).</p>	<b>Total length of channel/pipe cleaned:</b>	2000 feet
		<b>Cleaned X of Y ( Z %) City’s public catch basins:</b>	100% of those that required cleaning.
		<b>Frequency of cleaning (quarterly, etc.):</b>	quarterly
		<b>Total volume (tons) of material/debris removed from catch basins:</b>	15,037 gallons
		<b># of catch basins re-stenciled:</b>	0

	<p>Inspected and cleaned on a quarterly basis 100% of City catch basins, inlet filters and full capture trash devices that needed cleaning (549 catch basins with inlet filters and/or Connector Pipe Screen (CPS) units).</p> <p>No catch basins were re-stenciled during the reporting period.</p> <p>Videoed (CCTV): 8,700 l.f. of storm drain. CCTV Video is also used to aid in investigations. No illegal connections were identified.</p> <p>7,669 gallons of trash, silt/sediment and green waste removed from catch basin inlet filters. Estimated 11% to be trash/litter which is consistent with previous year.</p> <p>Inspected and cleaned City CDS units (4): Total of 7,368 gallons of trash, sediment &amp; green waste removed. Approximately 22% estimated to be trash, which is a little lower than last year’s estimate of 29%.</p> <p>The current FY23-24 will be the first year that all the cleaning data will be in OC Stormwater Tools.</p>	<b>Miles/linear ft of storm drain lines inspected:</b>	8,700 feet
Street Sweeping	<p>The City sweeps public streets weekly throughout year.</p> <p>The City streets are swept once per week. Parking restrictions are in place and enforced in prioritized areas to maximize debris pickup. In F22-23, 359 tons were recovered covering approximately 160 curb miles.</p> <p>The Traffic Improvement Subcommittee and City Council have worked with City staff to restricting parking on certain streets citywide during street sweeping where parking on streets during street sweeping times were found to be an issue. These streets are posted and strictly enforced. The City recently has a new contract for a parking enforcement officer which has demonstrated to be very effective.</p>	<b>How many tons were recovered:</b>	359
		<b>Over approximately how many curb miles:</b>	8,300 curb miles swept per year, 160 curb miles swept weekly.
Structural BMP Maintenance at Municipal Projects	<p>Operated Salt Creek Ozone Treatment System operated May 16 through November 7 for the 2022 summer season and April 24 through November 6 for the 2023 summer season.</p> <p>Diversions were activated on May 12 &amp; 23 through Sept 8 &amp; October 12 for the 2022 summer season. Diversions (Baby Beach, Capo Beach/Phase 2, Del Obispo, Alipaz, North Creek, Niguel Shores/Strand and Headlands C, D &amp; E were activated on 6/27/23. They were deactivate on 8/17/23 due to rain events. Baby Beach, Capo Beach Phase 2, Alipaz and North Creek were re-activated on 9/14/23 through September 28 due to forecasted rain events and end of season. Note: SOCWA Permit allows operation from April 15- October 15 during non-rain events. (note: sporadic rain events shortened operation schedule).</p> <p>Nuisance Bird Deterrent project at Salt Creek outlet was implemented for 2022 summer season: April 15 through October 31.</p> <p>Nuisance Bird Deterrent project at Salt Creek outlet was implemented for 2023 summer season: April 3 through November 1.</p> <p>Also see above in Drainage Facility Maintenance for trash control BMPs including inlet filter, connector pipe screen (CPS) units and trash separation units.</p>	<b>How many BMPs were maintained and cleaned during the reporting year:</b>	All the City’s BMPs were maintained during the reporting period.

Pesticide & Fertilizer Management	<p>The City has an Integrated Pest Management (IPM) Policy and Implementation Guidelines including procedures to manage fertilization and protect water quality. The types and quantities of fertilizers applied can be provided upon request. The City's Park Staff oversee the implementation of the program by the City's contractors.</p> <p>In general, labor is encouraged in lieu of chemical means.</p>	N/A	N/A
Municipal Staff Training and Education	<p>Water UCI Speaking of Water Series: The Storm Before the Calm: Stormwater Capture as a Means of Addressing Racism and Environmental Injustice in LA, 29 March 2023, 1 participant</p> <p>CASQA Quarterly Meeting, July 14, A Call to Action: Stormwater As a Resource, 1 participant</p> <p>CA Bacteria Summit, Sept 14-16, 2022 (attended virtually)</p> <p>San Diego Green Infrastructure Tour, Sept 20, 2022, 1 participant</p> <p>OC Construction BMP Training, Sept 21 &amp; 22: 6 participants</p> <p>SCCWRP 9<sup>th</sup> Biennial Symposium, May 24, 2023, 1 participant</p>	N/A	N/A

Table 1.2 Public Education

Activities	Narrative (all)	Metrics Assessed	Metric Response
Nonpoint Source Pollution Awareness	<p>The City's public education efforts includes outreach events, including beach clean ups, social media posts, the City Website Water Quality pages, public signage, and participation in the County public education program.</p> <p><b><u>Coastal Clean Up, Sept 2022:</u></b></p> <p><b><u>Doheny/San Juan Creek:</u></b></p> <ul style="list-style-type: none"><li>• 150+ volunteers</li><li>• 850 lbs of trash collected</li></ul> <p>The most found item at Doheny (not the creek but the beach) was sand bags (probably from Capo)</p> <p><b><u>Baby Beach (Stand Up for Trash)</u></b></p> <ul style="list-style-type: none"><li>• 413 volunteers</li><li>• 480 lbs of trash</li></ul> <p><b><u>Salt Creek (Surfrider):</u></b></p> <ul style="list-style-type: none"><li>• 128 volunteers</li><li>• 110lbs of trash – Styrofoam pieces, cigarette butts and microplastics</li></ul>	N/A	N/A



Photo: Staging area for clean up volunteers at Doheny State Beach, 2022.

**H2O for HOAs**

Focusing on unnatural water balance in creeks and streams caused, in part, by irrigation runoff continues to be one of the Highest Priority Water Quality Conditions for the Co-Permittees in its Water Quality Improvement Plan. One of the ways the Co-Permittees are addressing unnatural water balance is by holding educational workshops with homeowner associations (HOAs). In October 2022, the South Orange County cities and water districts partnered, organized and hosted its fourth H2O for HOAs Workshop with over 160 attendees. The Workshop was designed to educate property managers, landscape contractors, and HOA board members on storm water best management practices, water use efficiency and conservation techniques, water efficient landscape design, and irrigation systems maintenance. Because irrigation runoff is tied to water use efficiency, partnering with the water districts to present a cohesive message to some of the regions largest outdoor water customers is ideal.



Photo: Educational booth at H2O for HOAs in Laguna Niguel.



Photo: Participants at the H2O for HOAs event in Laguna Niguel.

**Dana Point Times**

DP Times Green Issue, Sustaining Sustainability in Dana Point (see below), April 2023 & Household Hazardous Waste Collection Information, February 2022. Normal Distribution: 43,500 32,500 homes + 11,000 on news racks.





**DANAPPOINT.ORG/ENVIRONMENTAL**  
LISA ZAWASKI - LZAWASKI@DANAPPOINT.ORG  
SENIOR WATER QUALITY ENGINEER

### YOU ARE THE SOLUTION TO RUNOFF POLLUTION

**CONTROL SPRINKLER RUNOFF TO PREVENT WATER WASTE & RUNOFF POLLUTION**

- Check your system to ensure that water is being directed to plants not the street.
- Adjust timing and cycle length to reflect seasonal needs.
- Run shorter cycles with breaks in between to give time for water to soak into the ground.
- Replace errant heads and repair leaks.

**DON'T LEAVE HOME WITHOUT THE DOGGIE BAGS**

- Make sure the bags make it in the trash and not down the storm drain.

**ONLY USE TOILET PAPER IN THE TOILET**

- Do not flush "flushable" wipes to prevent plumbing back-ups.

**REDUCE YOUR "USE" BY BEING MINDFUL OF SINGLE-USE CONSUMPTION**


- Continue bringing your own bags to the grocery store.
- Avoid taking straws, plastic utensils, napkins, etc., that you don't need at restaurants.
- Bring your own carry-out container when eating out.
- Avoid using balloons as they are consistently found in the marine environment. Consider reusable flags, banners, streamers, pinwheels, kites, or plants for a celebration instead!

**MOVE YOUR CAR ON STREET SWEEPING DAY**

- Street sweepers can only effectively sweep our streets if the street is clear.

**PLEASE DON'T SEND IT TO THE OCEAN**

- Carwash water is prohibited from entering streets. Try a commercial carwash or mobile detailer that captures and recycles the water.
- Take extra precaution during home projects to ensure no materials get washed or blown into the street or storm drain.



**The easiest way to dispose of your hazardous waste is now AT YOUR FRONT DOOR.**

As a coastal city, Dana Point has a strong interest in protecting the ocean and our environment which both contribute to the unique quality of life enjoyed in our town. The residents of Dana Point currently enjoy a variety of recycling and waste diversion programs through the City and our waste hauler, CR&R, Inc. The City's goal is to continually present new programs and services to Dana Point's residents aimed at providing access to additional sustainable programs with a time-saving advantage.

Dana Point residents have access to a **FREE On-Call Residential Household Hazardous Waste (HHW) Pick Up Service** with the intention of making it easier to dispose of HHW safely. Improper disposal of HHW can pollute the environment and pose a threat to human health. The Residential On-Call HHW Pick Up Service program will allow residents to conveniently call CR&R, Inc. for safe, efficient door-side pick-up and disposal of this special waste stream... **all free of charge.**

**How does it work? Easy as 1-2-3!**

1. Call CR&R Customer Service at 877-728-0446 to schedule convenient HHW pick up (To keep things easier, pick ups will be made on the same day as your usual trash service).
2. Identify to CR&R the quantity of HHW items that are in need of disposal (see some common types noted below).
3. On your pick up day, place the HHW for collection at the area determined when scheduling service. A receipt will be left upon pick up.

**Common Household Hazardous Waste (HHW) acceptable through the On-Call Pick-Up Program:**

Fluorescent Bulbs and tubes	Mercury-containing devices such as thermometers, thermostats, switches, etc.
Common household batteries (D, C, AA, AAA, button-type)	Home improvement supplies (paint, varnish, thinners, pool supplies, etc.)
Aerosol cans (non-empty)	Sharps (syringes, pen needles, lancets) in one-way, puncture proof containers
Automotive maintenance & repair products (motor oil, fi lters, antifreeze, brake fluid, etc.)	Household cleaning products (bathroom and drain cleaners, bleach, oven cleaners, etc.)
E-Waste (TV's, computers, microwaves, etc.)	
Lawn and garden chemicals	

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danapointtimes.com

- City's utilizes Social Media, such as Facebook & Twitter accounts for outreach, including posts regarding irrigation runoff, picking up after your pet, plastic balloon litter, Coastal Clean Up Day, etc.

	●Please also refer to Countywide WQIP Annual Report for Regional Public Education Programming		
Household Hazardous Waste Collection	<p>Curbside Pick-Up:</p> <p>87,164 lbs. of Household Hazardous Waste (HHW) collected through residential curbside pick-up program. Reference: Form CalRecycle 303 Household Hazardous Waste Collection Information.</p> <p>The City hosted three (3) free Bulk Item Clean Up Days where residents can drop off: E-waste, U-waste, yard waste, furniture, appliances and other bulky items.</p> <p>In order to facilitate proper disposal of items, the City generally provides three free bulky item &amp; e-waste drop off events per year which are highly attended. The City provides a free and easily accessible place for collection household batteries, cell phones, and CFL Bulbs from residents in the Household Battery and CFL Bulb kiosks at City Hall. This service is highly utilized by residents.</p> <p>To discourage flushing or improper disposal of old or unwanted medications, the Sheriff's Department provides a receptacle at City Hall where one can easily dispose of medications, free of charge, no questions asked.</p> <p>Used Oil Collected in Dana Point through the Orange County Health Care Agency Use Oil Collection Program demonstrating proper disposal of materials:</p> <p>DIY used oil only (gallons): 6,260 gallons</p> <p>DIY filters: 3,010</p>	N/A	N/A

Table 1.3 New Development / Significant Redevelopment

Activities	Narrative (all)	Metrics Assessed	Metric Response
Water Quality Management Plan Review & Post Construction BMP Inspection	See JRMP AR Form, section V.	N/A	N/A

Table 1.4 Construction

Activities	Narrative (all)	Metrics Assessed	Metric Response
Construction BMPs – Plan Check & Inspection	See JRMP AR Form, section VI.	N/A	N/A

Table 1.5 Existing Development

Activities	Narrative (all)	Metrics Assessed	Metric Response
Industrial Facility Inspections	Currently there is only one permitted Industrial Site within the City. The City inspects this site. There were no violations of the City’s Water Quality ordinance at the time of inspection; however per SMARTS, it does not appear that they have submitted the annual report.  South Orange County Wastewater Authority is a No Discharge site.	N/A	N/A
Commercial/Food Facility Inspections	The City annually inspects the food facilities and high priority commercial businesses that are considered to have a potential impact on water quality. See JRMP AR Form, section VII.	N/A	N/A
Mobile Business Program	Mobile businesses are inspected as necessary through Code Enforcement Program. The City does not have a business license program.	N/A	N/A
Residential/HOA Inspections	Inspected by City Water Quality Engineer, Water Quality consultant and/or Code Enforcement Program through both proactive inspections and routine duties. See JRMP AR Form, section VII. Targeted Residential Management Areas (RMAs) have been focused in Areas of Investigation under the CHWSRS program.	N/A	N/A

Table 1.6 Illegal Discharges / Illicit Connections

Activities	Narrative (all)	Metrics Assessed	Metric Response
Illicit Connection Inspections	ID/ICs are Investigated through Code Enforcement Program. See JRMP AR, Section IV.	N/A	N/A
Illegal Discharge Investigations, Spill Response	Investigated through Code Enforcement Program. The City has a Water Quality Ordinance Implementation Agreement with the County or Orange to assist with some of the Authorized Inspector and Spill Responder duties, as needed. This contract allows the City to request assistance from the County’s Authorized Inspectors in order to respond to and follow up on hazardous or after-hours complaints and incidents. The City also has vendors contracts for spills and has also a good working relationship with South Coast Water District and has procured their services and resources to address certain issues.  See JRMP AR, Section IV.  Outfall Monitoring Program Please refer to the City’s Outfall Monitoring Work Plan for details on sources and investigations.	N/A	N/A

1.2 WQIP Strategies

Table 2.1 HPWQC: Pathogen Health Risk

Activities	Narrative (all)	Metrics Assessed	Metric Response
Encampment cleanups	<p>While not under the Water Quality Division, the City has a comprehensive program to address homelessness. Dana Point City Council established a homeless Task Force and adopted a Community Work Plan to Address Homelessness on June 5, 2018. regularly updates a variety of statistics. For more info, see: <a href="http://www.danapoint.org/residents/services-a-p/connections-for-homeless-resources">http://www.danapoint.org/residents/services-a-p/connections-for-homeless-resources</a>.</p> <p>The City employs a full-time dedicated Community Outreach Worker for homeless support services.</p> <p>Public Works’ staff is out daily in our community keeping Dana Point clean, and free of litter and debris in public spaces. If abandoned property is found in public spaces, Public Works often collects those materials for storage in a secure environment. Public Works crews are keeping public walkways and other facilities clear of obstructions. Crews do not hesitate to report illegal activity and work in tandem with law enforcement and other public agencies.</p> <p>January-June 2023: Number of hours spent by Public Works Crews addressing abandon property and engaging with homeless: 285 (previously reported by calendar year, now information is reported quarterly).</p>	N/A	N/A
JRMP program implementation	Ongoing implementation.	N/A	N/A
Redevelopment through Permit-required LID Implementation	Ongoing implementation. Development projects are required to implement LID and landscaping on projects are reviewed for compliance with the City's water efficient landscape ordinance (Dana Point Municipal Code (DPMC) Chapter 9.55 Water Efficient Landscape Standards and Requirements). Per the 2022 Water Efficiency Landscape Ordinance (WELO) Report, 167,164 square feet of landscape was subject to the WELO in 2022.	N/A	N/A
New Development Program	<i>Seven (7) priority development projects with Water Quality Management Plans were completed during the reporting period and are operational. These project encompass 15.9 acres.</i>	<b><i>For this metric, priority projects that became operational (i.e. issued Certificate of Occupancy) during the reporting period are included.</i></b>	N/A
Dry weather flow retrofits / diversions within existing stormwater facilities	The County is embarking on a multi-faceted Regional Project Master Planning effort where Multi-benefit water quality project opportunities are being considered and evaluated. High priority projects are being studied in further details, including preliminary designs and constraints and funding opportunities are being pursued. Please refer to the WQIP Annual Report for more details.	N/A	N/A


	<p>The Salt Creek Ozone Treatment System which was completed in December 2005 did not require any significant repairs during the reporting period. The chiller and air compressors are scheduled to be replaced during FY23-24.</p>		
New structural BMP implementation	<p>No new significant City structural BMPs for FY22-23. Implementation of strategic conversions to drought tolerant landscaping when landscaping retrofits are needed. From 2021 through June 2023, the City has created 32,974 sq. ft. of Monarch Butterfly Habitat, with over 450 volunteers participating.</p>  <p><b>CITY OF DANA POINT</b> 2023 MONARCH BUTTERFLY HABITATS</p> <p><b>JANUARY</b> January 14, 2023 (Sea Canyon Park, 9am-12pm) January 28, 2023 (Community Center Educational Talk, 10am-11:30am)</p> <p><b>FEBRUARY</b> February 5, 2023 (Sea Terrace Park, 9am-12pm) February 25, 2023 (Creekside Park, 9am-12pm)</p> <p><b>MARCH</b> March 11, 2023 (Lantern Bay Park, 9am-12pm)</p> <p><b>APRIL</b> April 22, 2023 (Sea Terrace Park, 9am-12pm)</p> <p><b>MAY</b> May 6, 2023 (Sea Canyon Park, 9am - 12pm) May 27, 2023 (Creekside Park, 9am-12pm)</p> <p><b>JUNE</b> June 10, 2023 (Lantern Bay Park, 9am-12pm)</p> <p><b>SCAN TO SIGN UP!</b></p> <p><b>BE PART OF CREATING HABITATS IN DANA POINT FOR MONARCH BUTTERFLIES!</b></p> <p>WATER, TOOLS, AND SNACKS WILL BE PROVIDED. A VOLUNTEER EMAIL WILL BE SENT PRIOR TO EACH HABITAT DATE.</p> <p>EMAIL: JIRI.HANL@DANAPOINT.ORG FOR QUESTIONS.</p>	N/A	N/A

Table 2.2 HPWQC: Channel Erosion

Activities	Narrative (all)	Metrics Assessed	Metric Response
Jurisdictional Implementation of HMP via New Development /Redevelopment Program	One (1) priority project was subject to the HMP requirements covering 1.70 acres in the upper Salt Creek Watershed within Dana Point.	N/A	N/A
Wagon Wheel Creek Restoration Project and Stormwater Management Project	The project is not located within the City of Dana Point.	N/A	N/A



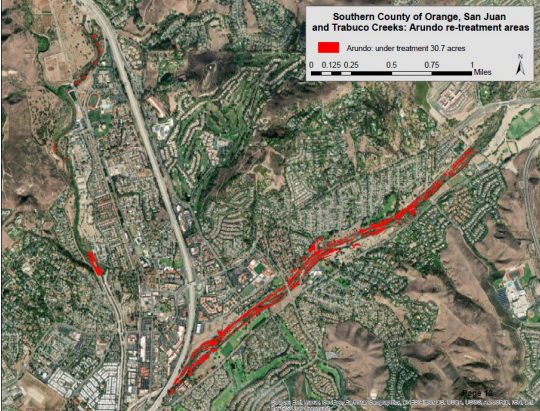
Rehabilitation Projects	<p>As a small coastal City at the end of the watersheds, there are limited opportunities for stream rehabilitation projects and no priority areas have been identified in Dana Point to date. Through the South Orange County Watershed Management Area Group (SOCWMA) &amp; the Integrated Regional Watershed Management Plan (IRWMP) meetings and coordination efforts the City notes that projects in upper watersheds that may provide benefits downstream. No projects were implemented in Dana Point during reporting period; however Team Arundo has completed a 30.7 acre Arundo removal project in San Juan Creek. Now, the removal work is in the “maintenance” phase, in which any Arundo that has re-emerged from rhizomes or seeds is “retreated” to eliminate the new growth before it migrates to other areas. Maintenance is crucial to the project’s success. Team Arundo estimates it will take about seven years of annual retreatment to completely eliminate future stands of Arundo from South County watersheds. And, as retreatment progresses, each year there is less Arundo remaining to be retreated. This will be the second year of retreatment and the number of individual re-emerging plants is minimal. Below is a map that depicts the general areas where Arundo has been identified for retreatment. San Juan Creek and Trabuco Creek areas of Arundo eradication maintenance In San Juan Capistrano, upstream of Dana Point.</p>  <p>Reference: San Juan Basin Authority Board of Director’s meeting, October 24, 2022.</p>	N/A	N/A
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Table 2.3 HPWQC: Unnatural Water Balance

Activities	Narrative (all)	Metrics Assessed	Metric Response
New Development / Redevelopment Program	There were seven (7) priority projects that were completed during the reporting period, covering 15.9 acres. There are a total of 30 completed WQMPs in the City.	<i>How many WQMPs were inventoried:</i>	30
Dry weather flow reduction elements in wet weather retrofit BMPs	Ongoing implementation. Development projects are required to implement LID and landscaping on projects are reviewed for compliance with the City's water efficient landscape ordinance (Dana Point Municipal Code (DPMC) Chapter 9.55 Water Efficient Landscape Standards and Requirements). Per the 2022 Water Efficiency Landscape Ordinance (WELO) Report, 167,164 square feet of landscape was subject to the WELO in 2022.	N/A	N/A
Dry weather flow retrofits within existing stormwater facilities	Continue to operate and maintain existing diversions and treatment systems. No new during reporting period. Continue to follow-up and investigate outfall monitoring program.	N/A	N/A



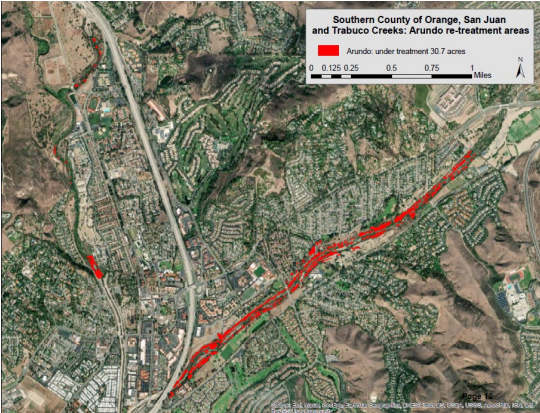
Outfall control strategies	<p>Continue to operate and maintain existing diversions and treatment systems. No new during reporting period. Continue to follow-up and investigate outfall monitoring program.</p> <p>Continue to develop &amp; implement outfall monitoring workplan to prioritize and plan course of action for outfall investigations based on outfall monitoring data. See Workplan Update provided in City's Annual Report.</p> <p>Wet Weather BMPs are currently being evaluated.</p>	N/A	N/A
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Table 2.4 Jurisdictional Non-structural

Activities	Narrative (all)	Metrics Assessed	Metric Response
Permitted discharge and water impoundment inventories	Submitted within 2018-19 WQIP Annual Report, Appendix F.	N/A	N/A

Table 2.6 Optional Strategies

Activities	Narrative (all)	Metrics Assessed	Metric Response
Implement Offsite Alternative Compliance Program	There was no need or request for alternative compliance options during reporting period.	N/A	N/A
Support projects that conduct invasive plant removal in key/strategic locations as identified, collaborate with and/or support volunteer groups as needed to encourage invasive plant removal and habitat restoration.	<p>The County serves as the lead regional partner to apply for and maintain a regulatory permit package to facilitate a region-wide, multijurisdictional coordinated effort to address invasive plants—primarily Arundo—in South Orange County. The permit package is mostly used by Non-government Organizations (NGOs) to undertake grant-awarded non-native removal and watershed restoration projects. Current NGOs/projects utilizing the “Team Arundo” permit package include: Laguna Canyon Foundation/Aliso Creek Habitat Restoration and Enhancement project, and Mission Resource Conservation District/San Juan Creek Watershed Arundo eradication project. Both projects are funded via a Wildlife Conservation Board grant.</p> <p>The City supported the Upper San Juan Creek Stormwater Capture, Infiltration &amp; Potable Reuse Project for submittal of grant funds under the Storm Water Grant Program (SWGP) Implementation, Round 2.</p>	N/A	N/A

	<p>The Phase 1 Project includes implementing three deflatable barriers in San Juan Creek to promote the in-stream recharge capability of the San Juan Basin aquifer by creating in-stream detention facilities for both dry weather and wet weather flows, allowing for the ponded water to naturally infiltrate into the aquifer. In the case of a severe storm event, the deflatable barriers will be lowered to allow full passage of the stormwater flow downstream to the Doheny State Beach estuary outlet to the Pacific Ocean. Allowance for the migration of Steelhead Trout in the creeks will be incorporated into the Project through the use of fish passages.</p> <p><a href="https://www.southocirwm.org/">https://www.southocirwm.org/</a></p> <p>The project was unsuccessful in receiving Prop 1 funds but continues to seek funding and is currently going through the permitting process with multiple agencies.</p> <p><a href="https://sanjuanwatershed.com/">https://sanjuanwatershed.com/</a></p> <p>Team Arundo has completed a 30.7 acre Arundo removal project in San Juan Creek. Now, the removal work is in the “maintenance” phase, in which any Arundo that has re-emerged from rhizomes or seeds is “retreated” to eliminate the new growth before it migrates to other areas. Maintenance is crucial to the project’s success. Team Arundo estimates it will take about seven years of annual retreatment to completely eliminate future stands of Arundo from South County watersheds. And, as retreatment progresses, each year there is less Arundo remaining to be retreated. This will be the third of up to seven years of retreatment that is funded by City of San Juan Capistrano and the San Juan Basin Authority (Reference: San Juan Basin Authority Board of Director’s meeting, September 27, 2023).</p> <p>Below is a map that depicts the general areas where Arundo has been identified for retreatment. San Juan Creek and Trabuco Creek areas of Arundo eradication maintenance In San Juan Capistrano, upstream of Dana Point.</p>  <p>Reference: San Juan Basin Authority Board of Director’s meeting, October 24, 2022.</p>		
Enhance and expand trash cleanups through community-based organizations involving target audiences	<p>Stand Up to Trash, a non-profit group in Dana Point, just celebrated their third anniversary and are stronger than ever. Their mission is to: Protect and conserve our ocean by raising awareness of the negative effects caused by plastic pollution through environmental education for future generations to enjoy, has become extremely popular and active. The group organizes monthly beach clean ups throughout the year with educational “lunch and learns” after the clean ups, <a href="http://www.standuptotrash.com">www.standuptotrash.com</a> and <a href="https://www.facebook.com/StandUpToTrash">https://www.facebook.com/StandUpToTrash</a>.</p>	N/A	N/A

	<p>County of Orange Adopt A Channel Program: The South County Watermen’s Club have adopted San Juan Creek (L01) from the southern tip of Alipaz St. (on the west side) to PCH in fall of 2020. The program increases an awareness of and a commitment to keeping our waterways clean and healthy while in turn, providing community stewardship of these valuable resources.</p> <p>South Orange County Surfrider also sponsors beach clean-ups including one at Salt Creek Beach.</p>		
Conduct special study(ies)	<p>AOI-SJC1 - Please refer to the South OC WQIP Annual Report for summary.</p> <p>AOI-SJC2 - Please refer to the South OC WQIP Annual Report for summary.</p> <p>AOI-DP1 - Please refer to the South OC WQIP Annual Report for summary.</p> <p>See also Outfall Monitoring Workplan Summary Table.</p>	N/A	N/A
Enhance commercial, industrial, and/or municipal inspections in strategic locations	<p>In addition to routine annual food facility inspections, additional focused commercial and RMA inspections in were conducted in AOIs.</p>	N/A	N/A
Install treatment BMPs (diversion or treatment) to address HPCC’s/Numeric Targets	<p>Though county’s program</p>	N/A	N/A
Develop site specific objective (SSO) for Bacteria TMDL compliance	<p>Not being pursued at this time. Investigations are ongoing and evaluation of compliance is being conducted. Although significant water quality improvement has been observed in many locations, Site Specific Objectives (SSOs) may be appropriate at specific sites. CHWSRS AOI investigations have been completed in Salt Creek and San Juan Creek.</p> <p>The City felt that the CalEPA Bacteria Summit held on September 14-16, 2022 was a needed first step to get a handle on the complexities of Indicator Bacteria Regulations. Key take-aways from the California Bacteria Summit held at CalEPA from, include:</p> <p>Take-aways &amp; Principles</p> <ul style="list-style-type: none"><li>• Our goal remains the same as when we started: <b>Safe to swim, safe to eat</b></li><li>• <b>Risk-based</b> perspective</li><li>• Fecal <b>source type</b> matters<ul style="list-style-type: none"><li>• Not every source has the same level of risk</li></ul></li><li>• Opportunities for <b>standards</b><ul style="list-style-type: none"><li>• The current objectives are most indicative of risk when there are high levels of human sources</li><li>• A higher enterococci or E. coli threshold may be appropriate when sources are not as risky. Risk modeling could be a useful tool, could lead to SSOs.</li><li>• A framework for this process would be helpful</li></ul></li><li>• <b>Implementation</b> matters<ul style="list-style-type: none"><li>• Control controllable sources</li><li>• Prioritize source control for fecal source types with the greater illness risk</li><li>• Accountability is important</li><li>• A framework and toolbox for this process would also be helpful</li></ul></li></ul>	N/A	N/A

	<p>Take-aways &amp; Principles</p> <ul style="list-style-type: none"><li>• <b>Collective action</b>, partnering, and messaging are critical<ul style="list-style-type: none"><li>• Joint fact finding</li><li>• Collective action and partnering between all of us</li><li>• Partnering with public health experts</li><li>• Working through expert panels, e.g., when considering QMRA model inputs</li><li>• Highlighting successes while working toward continued improvements</li><li>• Learning from monitoring reports</li><li>• Communicating to the public so they can understand risks clearly, accurately, and in more real-time</li></ul></li><li>• <b>Monitoring, Data, and Tools</b><ul style="list-style-type: none"><li>• Need consistent, comparable data</li><li>• Need technology to monitor for source tracking and rapid, real-time data</li></ul></li></ul> <p>The City felt the summit was very productive and initiated a much needed dialogue. There is a follow-up summit planned for 2024.</p> <p>The City understands that the RWQCB will be initiating a long-awaited Basin Plan Amendment process in 2024. The City hopes that new science and data will help improve the TMDL.</p>		
Grease Interceptor Rebate Program	<p>This program has successfully facilitated installation of 13 grease interceptors that would not have been installed otherwise. Because there has been a lot of redevelopment and change of ownership of food businesses, which generally require the installation of grease interceptors, the intent of the program (to increase the number of restaurant with properly sized grease interceptors) is being accomplished due to other factors and therefore this program has been ceased.</p>	N/A	N/A
Investigate application of rainwater harvesting feasibility and applications in retrofit applications	<p>No opportunities in Dana Point identified during FY22-23.</p> <p>Through the multi-faceted south Orange County Watershed Project Master Planning effort, opportunities are being considered and evaluated. High priority projects are being studied in further details and funding opportunities are being pursued. Please refer to the WQIP Annual Report for more details.</p>	N/A	N/A
Other efforts	<p>Salt Creek Bird Deterrent Project: Avian fecal coliform contributions: Avian markers are consistently detected when analyzed at Salt Creek (note that the MS4 is treated when the Salt Creek Treatment Facility is operating). When funding is available, the County of Orange, the City of Dana Point and Monarch Beach Resort partner to fund a Nuisance Bird Deterrent project at Salt Creek outlet. The project was implemented from April 15 through October 31 for the 2022 summer season and April 3 through November 1 for the 2023 season.</p>	N/A	N/A
	<p>Water District “Smart Landscape” Rebate program</p> <p>The following landscape retrofits, funding through the county-wide rebate programs, help to prevent and reduce dry weather runoff.</p> <p><b>Smartimers</b> installed:</p> <p>-MNWD: 156 residential, 38 commercial</p> <p>-SCWD: 11 residential, 8 commercial</p>		

	<p><b><u>Rotating Nozzles installed:</u></b></p> <p>-MNWD: 131 small residential, 421 small commercial, 1,270 large commercial</p> <p>-SCWD: 69 small residential, 510 small commercial</p> <p><b><u>Turf removal projects:</u></b></p> <p>-MNWD: 59,372 sf residential, 394,839 sf comm.</p> <p>-SCWD: 7,575 sf residential, 85,956 sf comm.</p> <p><b><u>Spray to drip irrigation conversions:</u></b></p> <p>-MNWD: 144,223 sf, commercial</p> <p>-SCWD: 10,339 sf, residential and 11,560 sf, commercial</p> <p><b><u>Rainbarrels:</u></b></p> <p>-MNWD: 15</p> <p>-SCWD: 0</p> <p><b><u>Landscape Design &amp; Maintenance Assistance Program:</u></b></p> <p>-MNWD: 11 participants in Landscape Design Maintenance Program (LDAP) and 13 participants in Landscape Maintenance Assistance Program (LMAP)</p> <p>-SCWD: 2 participants in Landscape Design Maintenance Program (LDAP) and 1 participant in Landscape Maintenance Assistance Program (LMAP)</p> <p><b><u>SCWD In-house Turf Removal Rebate</u></b> – synthetic turf to replace traditional turf grass</p> <p>Program guidelines: rebate program open to all SCWD customers, rebate of \$2.00 per sq. ft., maximum of 1,000 sq. ft. per site.</p> <p>43,917 – square feet (SF) of grass were replaced with artificial turf in FY 2023 to date.</p> <p>12,406 – SF of grass is pending replacement with artificial turf in FY 2023.</p> <p>Reference: SCWD Engineering &amp; Operations Committee, April 3, 2023, Update on SCWD Drought Response &amp; Conservation Activities.</p>		
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Dana Point Outfalls and Prioritization Data for MS4 Outfall Dry Weather Flow Investigation Work Plan

Dana Point Prioritization	Outfall	Pipe Size	Estimated Flow (cfs)	Estimated Flow (gpd)	Drainage Area (acres)	Latitude	Longitude	Discharges Directly to 303(d) Listed Waterbody	WQIP Priority Outfall	WQIP Prioritization Score	Notes	Investigation Status	Abatement Actions	City Atlas Map #	DP Storm Drain Reference
Caltrans	L01-728-2	54"	0.003032		96	33.464696	-117.682205	Yes	No			owned by Caltrans		F9	SD-004-13
DRY	DP01-12022-2	54"				33.466503	-117.716091	No	No			subsurface drains in development, outfall is tidally influenced	Headlands Central Diversion - C	B8	DP-L-020 GR-080-37
DRY	L01-726-2	36"			2.51	33.474867	-117.679504	Yes	No					F6	DP-L-06 P-019-19
DRY	L01-726-3	48"			11.88 Acres 100% SJC	33.47523	-117.678819	Yes	No			SJC drainage		F6	
DRY	L01-726-6	48"			6.21 91% DP, 9% SJC	33.476197	-117.679246	Yes	No					F6	
DRY	L01-726-7	48"			5.744, 100% SJC	33.476866	-117.678454	No	No			SJC drainage		F6	
DRY	L01-727-2	36"			0.72	33.474188	-117.679722	Yes	No					F7	SI-034-33 DP-L-07
DRY	L01-727-3	36"	0.027857		4.74	33.471546	-117.680126	Yes	No			private SCWD		F7	SI-034-33 DP-L-07
DRY	M01-168-2d (M00P03)	36"	0.008654		27 53% SC, 47% DP	33.445014	-117.650077	No	No				tidally influenced, flows go to urban runoff diversion #7	I13	SD-068-11 SD-068-12
DRY	SC11-035-1d	48"			73.59	33.459962	-117.675368	Yes	No			no flow at beach (oufall buried)		G10	DP-M-025 SI-054-01
DRY	SC11-035-2d	36"				33.458939	-117.673706	No	No			tidally influenced			
DRY	SC11-035-3d	48"	0.008664			33.45721	-117.670954	Yes	No			very low flow, could be tidally influenced flow that is ponded	Urban Runoff Diversion #3	G10	SD-117-05
DRY	SC11-130-2	42"	0.017			33.455718	-117.669171	No	No			tidally influenced	Capo Beach Diversion	G11	SD-117
Priority 3	K01-12126-1 K01S01 AOI-DP1	120"	0.477622		885.25 73% Laguna Niguel, 27% Dana Point	33.484034	-117.719876	Yes	Yes	81		Part of CHWSRS: AOI-DP1, OCFS site. No significant human contributions. Focus on nuisance flow reduction.		B4	K01S01-713-2
Priority 2	K01-12159-2	96"	0.17			33.482451	-117.720432	Yes	Yes		County storm drain	Initial flow monitoring and driving surveys completed in Summer-Fall 2021. Driving surveys limited to SeaPoint area to limit geographic scale of project. Appears to be some groundwater with recycled and potable irrigation.	13 irrigation runoff code cases issued in August, resolved by October 2021	B5	SD-013-02
Priority 3	K01-12159-3	48"	0.0246			33.482594	-117.720398	Yes	No			Mostly residential. no specific chronic sources identified. General irrigation runoff issues addressed through code enforcement when observed. Standard inspection program implemented. Suspect some surfacing groundwater inputs.		B5	DP-K-01-P03



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Dana Point Prioritization	Outfall	Pipe Size	Estimated Flow (cfs)	Estimated Flow (gpd)	Drainage Area (acres)	Latitude	Longitude	Discharges Directly to 303(d) Listed Waterbody	WQIP Priority Outfall	WQIP Prioritization Score	Notes	Investigation Status	Abatement Actions	City Atlas Map #	DP Storm Drain Reference
Priority 3	L01-726-5	54"	0.007169 .02		69 94% Dana Point, 6% SJC	33.475819	-117.679308	Yes	Yes	23		Part of CHWSRS: AOI-SJC1 area Investigation - determined not to be a signifcant source in watershed survey. Small residential drainage area. Infiltrates during dry weather.		F6	DP-L-05 TI-007-31
Priority 2	DP06-12106-1 (DSB5)	60"	0.2955		66.54	33.463896	-117.688411	Yes	No			Flows have decreased significantly since 2005 (60,000 GPD) to 12,000-12,500 average GPD. North Creek, no specific chronic sources identified. General irrigation runoff issues addressed through code enforcement when observed. Standard inspection program implemented. Suspect some surfacing groundwater inputs. Diversion was not activated at time of sample (frequent rain events decreased operating season this year.)	North Creek Diversion	E9	DP-L-015 SI-150-34
Priority 2	L01-728-5 L01-DP	60"	0.012165		24.72	33.468224	-117.682223	Yes	No		between Del Obispo & Alipaz storm drains. Drains portions of Fountains at Seabluffs & Harbor Creek HOA .	Ongoing investigation. Drainage area boudaries delineated. Drains between Del Obispo & Alipaz Diversion. Drains portions of Fountains at Seabluffs & Harbor Creek HOA. Low flow estimated at .01 cfs or less (6,461 gpd). No definitive source(s) to target for abatement	Continue to evaluate TDA pending additional WQ data from County	F7 & F8	SI-034-33 DP-L-07
Priority 3	DP01-12022-1	42"	0.0672			33.464085	-117.71479	No	No		Tidally influenced, rocks naturally accumulate during high tides and summer season. Headlands diversion South, E.	subsurface drains in development, outfall is tidally influenced	Headlands South Diversion - E	B9	GrR-080-40
Priority 3	DP01-12022-3	30"				33.469027	-117.717782	No	No			subsurface drains in development, outfall is tidally influenced	Headlands North diversion - D	B8	GR-080-36 DP-L-021
Priority 3	L01-727-1 (L01SO4)	96"	0.159367		458 93% DP, 7% LN	33.471155	-117.681012	Yes	Yes	60			Alipaz Diversion	F6	DP-L-05 TI-007-31
	L01-728-4	30"			79	33.466746	-117.682578	Yes	No			very low flow noted when monitored for diversion	Del Obispo Diversion	F8	DP-L-012-C01 DL-L-012 SD-059-03

Dana Point Outfalls and Prioritization Data for MS4 Outfall Dry Weather Flow Investigation Work Plan

Dana Point Prioritization	Outfall	Pipe Size	Estimated Flow (cfs)	Estimated Flow (gpd)	Drainage Area (acres)	Latitude	Longitude	Discharges Directly to 303(d) Listed Waterbody	WQIP Priority Outfall	WQIP Prioritization Score	Notes	Investigation Status	Abatement Actions	City Atlas Map #	DP Storm Drain Reference
DRY	L01-728-8d	42"			45	33.460856	-117.677281	Yes	No		buried, tidally influenced		Urban Runoff Diversion #1, valve 20' North of 34512 1/2 Coast Hwy. (east side, by above ground utility vault	F10	DP-M-026 SD-068-02(City Drain #26)
	L01-728-9	36"				33.470773	-117.681097	Yes	No			private drain		F7	
	SC10-075-3 M00S01					33.450411	-117.659668	No	No					H12	
	DP01-12020-1					33.469195	-117.717895	No	No		Not Priority outfall		Strand Beach Diversion	B8	
	L01-724-1 (L01S01)			0.082	283 36% SJC??	33.483186	-117.677063	No	No		Outfall located in SJC	Investigation as part of AOI-SJC1 investigation, not a priority		F5	
	L01-728-3 (L01S02)		0.45		1014, SOME Caltrans groundwater 91% SJC, 9% DP	33.465522	-117.682141	Yes	Yes	70		Part of CHWSRS: AOI-SJC2, OCFS site. Complete. Groundwater contributions. See OCFS Fact Sheet.	COMPLETE. See AOI- SJC2 Report	F9, F8	DP-L-02 L01-101-3 SD-023-14
	L01-728-6	36"			4.4659	33.469715	-117.6809	Yes	No			not shown on City maps		F8	
	M01-168-1d (M00P03)	43"			3.2	33.445842	-117.651094	No	No				tidally influenced, Urban Runoff Diversion #7	I13	SD-068-11 SD-068-12
	SC11-026-1 (M00P01)	box	0.072391		305 67% DP, 31% SC, 2% SJC	33.45392	-117.666472	Yes	No			very low flows, groundwater, tidally influenced	Urban Runoff Diversion #4	H11	SD-068-06 DP-M-019-P01 SD-072-02