

NOTICE AND AGENDA

**MANAGEMENT COMMITTEE for the
MONTEREY REGIONAL STORMWATER MANAGEMENT PROGRAM**

DATE: September 25, 2024
TIME: 9:30 a.m.
LOCATION: Monterey One Water Conference Room, 5 Harris Court, Building D, Monterey

THIS HYBRID MEETING WILL BE HELD BOTH IN-PERSON AND VIRTUALLY

To join the Zoom Webinar Meeting, click on this link:
<https://us02web.zoom.us/j/89246755123?pwd=ND0mMwkBn6w8F8Xh5iwpEbAWgGvTVH.1>
or copy and paste the link into your browser. If your computer does not have audio, you will need to join the meeting via phone. To participate telephonically, you can call the number below and enter the webinar ID number and password when prompted:

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Webinar ID: 892 4675 5123 Password: 257007

PUBLIC COMMENTS: If you are unable to participate via telephone or webinar, you may submit your comments by e-mailing them to montereysea@my1water.org with one of the following subject lines:

"PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT – NON-AGENDA ITEM". Comments must be received by 12:00 p.m. on Tuesday, September 24, 2024. All submitted comments will be provided to the Committee, may be read into the record, and will be compiled as part of the public record.

Officers:	Chairperson:	Leon Gomez, City of Sand City	
	Vice-Chairperson:	Ron Fucci, City of Del Rey Oaks	
Participating Entities:		City of Carmel-by-the-Sea	City of Del Rey Oaks
		City of Monterey	City of Pacific Grove
		City of Seaside	County of Monterey
Other Coordinating Entities:			
	Carmel Unified School District	Pacific Grove Unified School District	
	Monterey Peninsula Unified School District	Pebble Beach Company	
Ex-Officio Members:			
	Association of Monterey Bay Governments	Monterey Bay National Marine Sanctuary	

AGENDA ITEMS

Page #

- | | | |
|--|----------------|-----|
| 1. Call to Order / Roll Call | | N/A |
| 2. Public Comments | | N/A |
| 3. Approve Management Committee Meeting Minutes for 8/28/24 | (Attachment 1) | 03 |

INFORMATION AND DISCUSSION ITEMS

- | | | |
|---|----------------|----|
| 4. Presentation by Lindsay Brown, California Marine Sanctuary Foundation & Monterey Bay National Marine Sanctuary, Water Quality Program Coordinator | | |
| First Flush Monitoring Results and Surfactant Study Overview | (Attachment 2) | 08 |

- | | | |
|---|----------------|-----|
| 5. Update on PE/PO Program | (Attachment 3) | 32 |
| a. Monthly Update | | |
| b. Stormwater Awareness Week Outreach Briefing | | |
| 6. Stormwater Training Updates | | N/A |
| a. Flow Chart for Construction General Permit (CGP) and Post-Construction Requirements (PCRs) Training Review | | |
| b. Upcoming Training Opportunities:
Construction Best Management Practices (BMP) Training – Nov 14, 2024, Oldemeyer Center
Drywell Training – First Quarter of 2025, Date TBD | | |
| 7. MS4 Informal Draft Permit | | |
| a. Informal Draft Small MS4 Permit (ca.gov) | | |
| b. Review Feedback and Provide Input on Template for Full Committee Comment Letter | | |
| c. Informal Draft Permit Timeline Review | | |

ADMINISTRATIVE REPORTS

- | | | |
|---|--|-----|
| 8. Informational Items | | |
| a. CASQA Conference – Oct. 21-23, 2024 | | N/A |
| Program Administrators will attend and provide an after-conference briefing for the Committee at the October Committee Meeting. | | |
| 9. Program Administrator Update | | N/A |
| a. Annual Report Preparation – Due October 15, 2024 | | |
| b. Briefing on Staff Areas of Responsibility and Best Point of Contact for Various Topics | | |
| 10. Management Committee Members | | N/A |
| a. City of Carmel-by-the-Sea | | |
| b. City of Del Rey Oaks | | |
| c. City of Monterey | | |
| d. City of Pacific Grover | | |
| e. City of Sand City | | |
| f. City of Seaside | | |
| g. County of Monterey | | |

SCHEDULE NEXT MEETING / ADJOURNMENT

- | | | |
|---|--|-----|
| 11. Schedule Next Meeting: The next MRSWMP Meeting date is scheduled for Wednesday, October 30, 2024, at 9:30 a.m. | | N/A |
| 12. Meeting Adjournment | | N/A |

Monterey Regional Stormwater Management Program

Management Committee

MEETING MINUTES For August 28, 2024

AGENDA ITEMS

1. Call to Order / Roll-Call

Chairperson Gomez (City of Sand City) called the meeting to order at 9:30 a.m. and performed roll call.

Management Committee (MC) Members:

City of Carmel – Mary Bilse
City of Del Rey Oaks – Ron Fucci
City of Monterey – Kevin Anderson
City of Pacific Grove – George Fuerst
City of Sand City – Leon Gomez
City of Seaside – Patrick Grogan
County of Monterey – Michael Trapani

Monterey One Water (Program

Administrator):

Rachel Gaudoin
Michael McCullough
Michelle Bumgardner
Erica Parker
Yohana Vargas

Other:

Maris Sidenstecker – PE/PO Coordinator
Mollie Wooden (PBC)

Other Virtual:

Nathaniel Milam (Whitson Engineers)

2. Public Comments

Chairperson Gomez called for public comment, none received.

3. Approve Management Committee Meeting Minutes for 7/24/2024.

- **Action:** On a motion by Grogan (*City of Seaside*), seconded by Bilse (*City of Carmel*), Management Committee unanimously approved the Management Committee Meeting Minutes for 7/24/2024.

INFORMATION AND DISCUSSION ITEMS

4. Presentation by Lindsay Brown, California Marine Sanctuary Foundation & Monterey Bay National Marine Sanctuary, Water Quality Program Coordinator

First Flush Monitoring Results and Surfactant Study Overview

Presentation rescheduled for 9/25/2024 Management Committee meeting.

5. Update on PE/PO Program

a. School Presentations

b. Public Events

Sidenstecker reported on the success of tabling at the West End Celebration in Sand City; MRSWMP was provided with a vendor space free of charge and engaged with approximately 150 members of the public. She provided a list of upcoming community

events, including MEarth's Glass Pumpkin Patch, California Coastal Cleanup Day, Stormwater Awareness Week, and First Flush. MRSWMP is a sponsor for the Coastal Cleanup Day and will be included in promotional materials. Stormwater Awareness Week outreach will be mainly a social media campaign, as partner organizations are focusing on Coastal Cleanup Day efforts. She also is working on recruiting CSUMB students for First Flush and other engagement opportunities. Upcoming events will be added to the MontereySEA website once ownership of webpage editing has transferred to staff in-house.

c. TV Ads

She noted that no TV ads have been booked yet, and she is working to finalize partner agreements on the cost share of this effort before reserving TV slots.

d. Turbidity Water Quality Flyer (English & Spanish)

Total Maximum Daily Load (TMDL) flyers now are available in English and Spanish, and she will update contact numbers for each jurisdiction.

6. Post Construction Requirements (PCR) Subcommittee Updates

a. Review of MRSWMP 2NFORM Training – August 14, 2024

McCullough announced that Lance Miller is the new contact for 2NDNATURE. Fuerst stated that he found the training very useful as it delved into specifics on how to utilize the program for individual users. Members discussed the need to collect additional information on intake applications to determine triggers for PCRs.

Chairperson Gomez called for public comment, none received.

b. PCR Training “Flow Chart” – Tentative Date - September 23, Hybrid Meeting

McCullough noted that this is part of the quarterly trainings provided for Members, and it is open to the public. Flow chart topics include construction general permits, Stormwater Pollution Prevention Plan (SWPPP) projects, and construction department PCRs. Mr. Nathaniel Milam was present virtually to answer any questions. Grogan indicated this training session is designed for municipal staff who input reports and track requirements. Additional training will be offered for design teams in the future.

Chairperson Gomez called for public comment, none received.

ADMINISTRATIVE REPORTS

7. Informational Items

a. CASQA Conference – Oct. 21-23 – Sacramento Convention Center – Early Registration closes Sept. 9th.

McCullough announced that Bumgardner and Parker will be attending the Conference, which conflicts with the Oct 23 Committee Meeting. Members agreed to move the meeting to Oct 30 to accommodate staff attendance and asked staff to determine if there is an option for virtual participation. Staff who attend will provide a full report to the Committee.

b. Construction BMP Training – Tentative Date – Sept. 25, 11:30 a.m. to 1:00 p.m.

Oldemeyer Center, Seaside, CA

McCullough confirmed that the room is reserved at the Oldemeyer Center. RSVPs are needed from attendees as lunch will be provided. He is working to finalize speakers to lead the training.

- c. Sample Stormwater Awareness Week Resolution
McCullough stated that staff will prepare a draft resolution that will be included in the Sept Board Packet. Municipalities will be able to share it with their respective Councils to modify as desired.
- d. Staff Memo – Drywell Training Presentation Update
McCullough reported that staff reviewed the presentation with Torrent Resources presenters and City of Salinas staff and made modifications; it now is ready to launch as a hybrid presentation. The PCR Subcommittee may meet in November or February to identify additional training topics to cover.

Chairperson Gomez called for public comment, none received.

- e. Draft Permit Guidelines Link – 397 pages [Informal Draft Small MS4 Permit \(ca.gov\)](#)
McCullough explained that staff will collect comments and priorities from Members. He discussed the timeline for submitting comments to the State Water Resources Control Board (SWRCB):
- Sept 3: CalEPA-hosted MS4 workshop
 - Sept 16: Staff will provide analysis of changes from 2013 Phase II Permit, compared with current Informal Draft, to Committee
 - Sept 20: Committee Members deadline to provide feedback to staff on priorities
 - Sept 25: At monthly meeting, Staff to provide summary of feedback and received and plan for submitted comments to SWRBC
 - Oct 4: Deadline to submit comments to SWRCB
 - Implementation of Permit: Six months after Permit is adopted OR July 1 of next fiscal year

Members discussed whether to make comments as a committee and/or as individual jurisdictions; Gaudoin suggested that a comment letter from the Committee could cover overlapping concerns from municipalities. Members agreed that two top priorities to address in comments are the trash implementation requirements, which CASQA indicated they will not raise in their comments, and asset management elements. More in-depth analysis on these two areas will be provided by staff.

Chairperson Gomez called for public comment, none received.

8. Program Administrator Update

- a. Verbal Report on M1W/MRSWMP Position Vacancies
McCullough introduced Michelle Bumgardner, Community Liaison, and Erica Parker, Administrative Analyst, onboarded respectively on August 19 and August 26. They will be meeting individually with each Committee Member and assuming responsibility for supporting MRSWMP Committee coordination and efforts.
- b. Annual Report Preparation – Due October 15, 2024
No New Questions to the Industrial General Permit Annual Report
For the 2009 Construction General Permit there are no new questions. If a new Notice of Intent was submitted after September 1, 2023, there is a new Annual Report for the 2022 Construction General Permit.
The Municipal Annual Report – No additional questions for the Phase II enrollees.

Sidenstecker specified that she will provide relevant reports for Members by Sept 15. Gaudoin stated that a table of questions and required documents by question will be available to Members the week of Sept 9 through a OneDrive link, and the E7 and E8 reports from Sidenstecker will be added when available.

Chairperson Gomez called for public comment, none received.

9. Management Committee Members

- a. **City of Monterey:** Anderson reported on their storm drain maintenance program (SWMP) in Aug and Sept, focusing on hotspot catch basin cleaning and structural BMP cleaning for the City and the Presidio of Monterey. All inspections for SWMP were completed this month and maintenance scheduled for Sept. The City is releasing a Request for Proposals for a stormwater management plan.
- b. **City of Seaside:** Grogan stated that the City has a new Senior Engineer, Andreas Baer, replacing Nisha Patel. Dan Meewis, Recreation Director, is serving as Acting Director of Public Works, and they are looking to onboard an Interim Director to bridge the gap until a permanent Director can be appointed. He discussed progress on designs for storm drain projects – 90 in outfall project and new storm drain work on Hilby Ave. They will receive a draft Storm Drain Master Plan from Schaaf & Wheeler soon and are looking to have it finalized by the end of 2024.
- c. **City of Carmel-by-the-Sea:** Bilse noted they have been working with the Carmel Area Wastewater District on their efforts to update their Fats, Oils and Grease (FOG) Program, altering the implementation of the program. CalAm has several water pipe projects underway, and residents are reporting brown water and pipe flush water being directed to storm drains. The City has a storm drain project underway and some open staff positions – analyst/technician, project manager.
- d. **City of Pacific Grove:** Nothing to report.
County of Monterey: Trapani shared that the County is preparing for their fall street sweeping which encompasses 220 curb miles by coordinating with the contractor, the district offices, and public outreach. He reported that there has been good progress on the Gabilan Creek Watershed TMDL: engaging in public outreach, mapping 33 miles of roadside ditches, and identifying ditch owners.
- e. **City of Del Rey Oaks:** Fucci provided an update on Fort Ord Recreational Trail and Greenway (FORTAG) construction: cleaning, grubbing, retaining wall work, and road widening are underway. Traffic on Hwy 218 will be limited beginning next week to one lane to accommodate construction. Projects underway on Rosita Rd include French drain catchment for natural spring water, rolled curb, and a new storm drain. Their fire fuel reduction project with CalFire will start Sept 16 and last about six weeks.
- f. **City of Sand City:** Gomez discussed tabling at the successful West End Celebration, learning about what projects are of interest to the public. Sand City has issued an encroachment permit to M1W for Seaside Pump Station and Monterey Pump Station upgrades, with work beginning on the Seaside element this week.

McCullough noted that he will send information to the Committee about grant opportunities for marine debris removal and intercept technology.

SCHEDULE NEXT MEETING / ADJOURNMENT

10. Schedule Next Meeting

The next Management Committee meeting is scheduled for Wednesday, Sept 25, at 9:30 a.m.

11. Meeting Adjournment

The meeting was adjourned at 10:45 a.m.

DRAFT

First Flush Monitoring Results and Surfactant Study Overview

Lindsay Brown (CMSF/MBNMS)



MONTEREY SEA
Stormwater Education Alliance
Carmel-by-the-Sea • County of Monterey • Del Rey Oaks
Monterey • Pacific Grove • Sand City • Seaside



MONTEREY BAY
NATIONAL MARINE SANCTUARY



CMSF CALIFORNIA
MARINE
SANCTUARY
FOUNDATION

California Marine Sanctuary Foundation

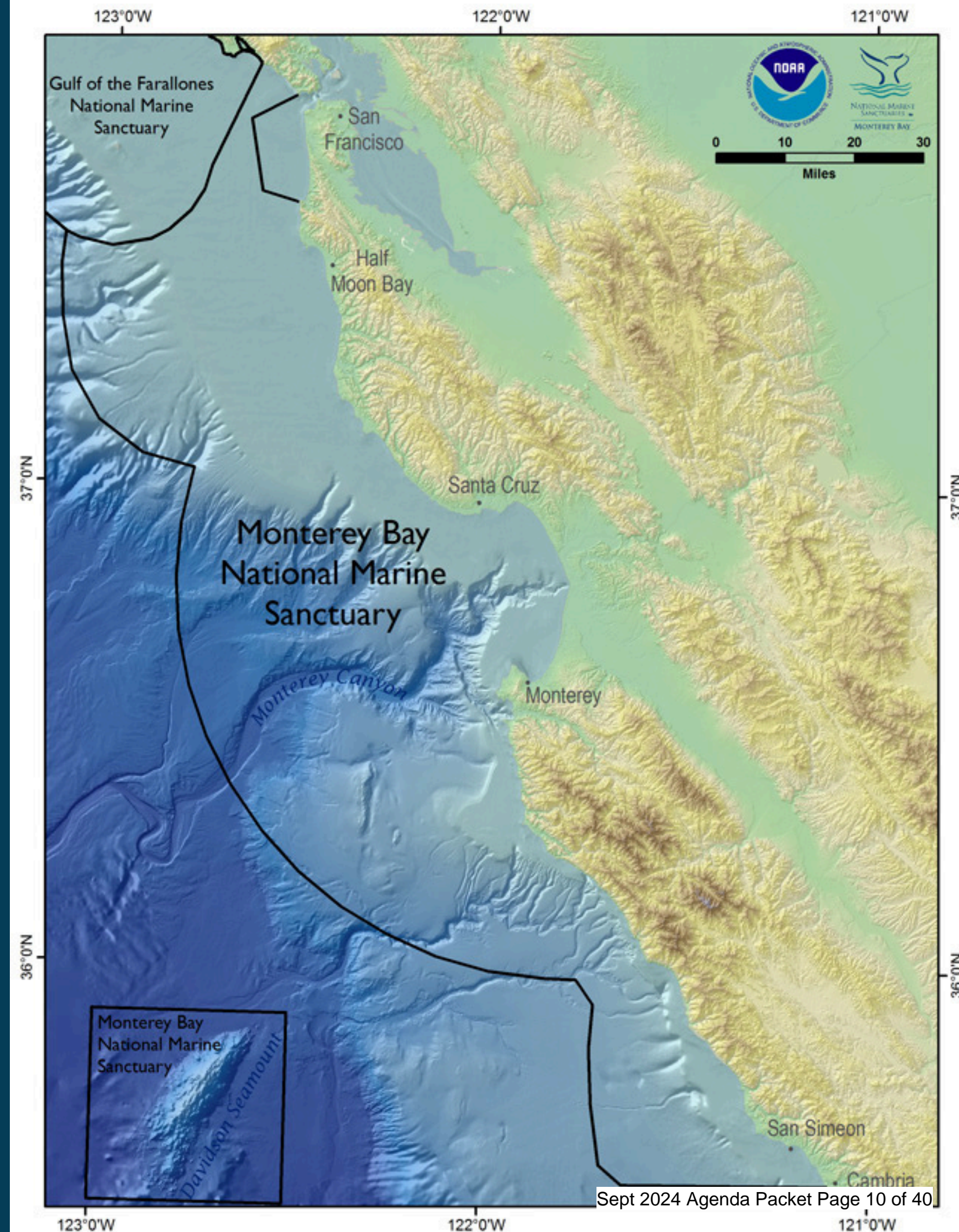


- Non-profit created in 1995
- Marine resource protection, coastal restoration, climate change mitigation, and water quality protection
 - Agricultural and urban
- Solutions oriented and highly collaborative



Monterey Bay National Marine Sanctuary

- Designated in 1992
- Stretches along 276 miles of coastline, extending on average 30 miles from shore
- Deepest point is over 2 miles deep
- Incredible biodiversity





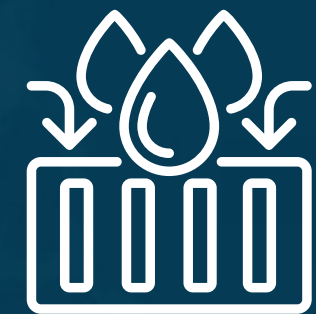
FIRST FLUSH

- **Annual water quality monitoring volunteer program on the first rain event of the season**
- **Collect samples from storm drain outfalls that flow into the Sanctuary**
- **Volunteers on-call**



PROGRAM OBJECTIVES

1. Access Urban Pollutant Levels
2. Inform Best Management Practices
3. Promote Environmental Stewardship and Education
4. Support Compliance with Stormwater Permits
5. Enhance Understanding of Stormwater Impacts on MBNMS

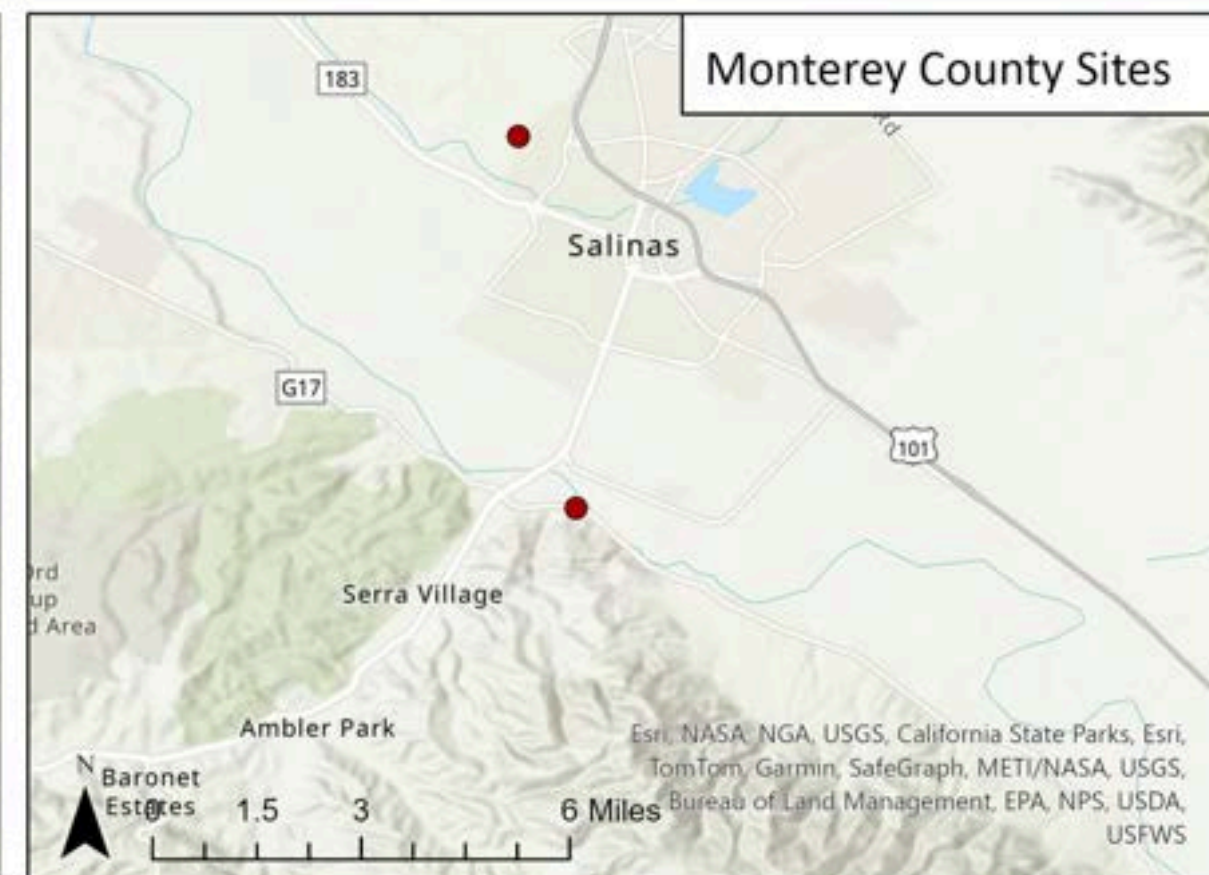


VOLUNTEER INVOLVEMENT

- 22 volunteers donated over 100 collective hours of time
- Mobilized at 4:30am on Saturday morning, November 18th
- Collected samples and flow measurements at each site
- Adapted to changing conditions
- Essential for collecting a larger amount valuable data



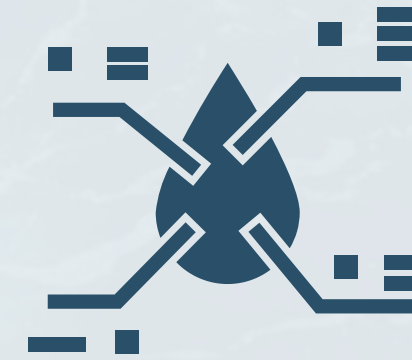
MONITORING LOCATIONS





Field Measurements

- WATER TEMPERATURE
- PH
- CONDUCTIVITY
- TRANSPARENCY



Lab Analyses

- NUTRIENTS
- FECAL INDICATOR BACTERIA AND HF183
- METALS
- CLARITY
- OTHER LIQUID WASTE IDENTIFIERS AND ADDITIONAL SURFACTANTS

STANDARD COMPARISON

- **SWRCB NPDES MS4 General Permit**

Ammonia, Color, Hardness, and Potassium

- **EPA Water Quality Objectives (WQO)**

E. coli, Enterococcus

- **Basin Plan WQO**

Water Quality Control Plan for the Central Coast Basin, set by RWQCB: Copper, Lead, Detergents, pH, Zinc

- **Action Levels**

Central Coast Ambient Monitoring Program (CCAMP): Nitrate, Orthophosphate, TSS, Transparency, and Turbidity

2023 RESULTS

Carmel

- Sites Monitored: 4th Avenue, Ocean Avenue
- Dry Run
 - High nitrate and Potassium levels
- First Flush
 - Exceeded limits for copper, lead, zinc, E. coli, Enterococcus, surfactants, orthophosphate, turbidity, color, and TSS at 4th Ave
 - Notable Results: Copper and turbidity

2023 RESULTS

Monterey

- Sites Monitored: Twins, San Carlos, Steinbeck
- Dry Run
 - Exceeded limits for E. coli, Enterococcus, orthophosphate, MBAS surfactants (Twins)
- First Flush
 - High copper, zinc, E. coli, Enterococcus, surfactants, orthophosphate, turbidity at Steinbeck and Twins
 - Notable Result: Enterococcus (Steinbeck: 98,040 MPN/100mL)

2023 RESULTS

Monterey County

- Sites Monitored: Boronda, Las Palmas
- Dry Run
 - No flow, so no samples collected
- First Flush
 - Exceeded limits for copper, zinc, E. coli, Enterococcus, orthophosphate, turbidity, and color at Boronda and Las Palmas
 - Notable Result: Enterococcus (Boronda: 98,040 MPN/100mL)

2023 RESULTS

Pacific Grove

- **Sites Monitored:** 8th Street, Greenwood Park, Lover's Point, Sea Palm, and Pico
- **Dry Run**
 - Exceeded limits for E. coli, Enterococcus, orthophosphate, nitrate
 - **Notable Result:** HF183 (Greenwood Park: 7,105 GC/mL)
- **First Flush**
 - Exceeded limits for E. coli, Enterococcus, copper, turbidity, surfactants, orthophosphate
 - **Notable result:** Orthophosphate (Sea Palm: 0.58 mg-P/L)

2023 RESULTS

Seaside and Sand City

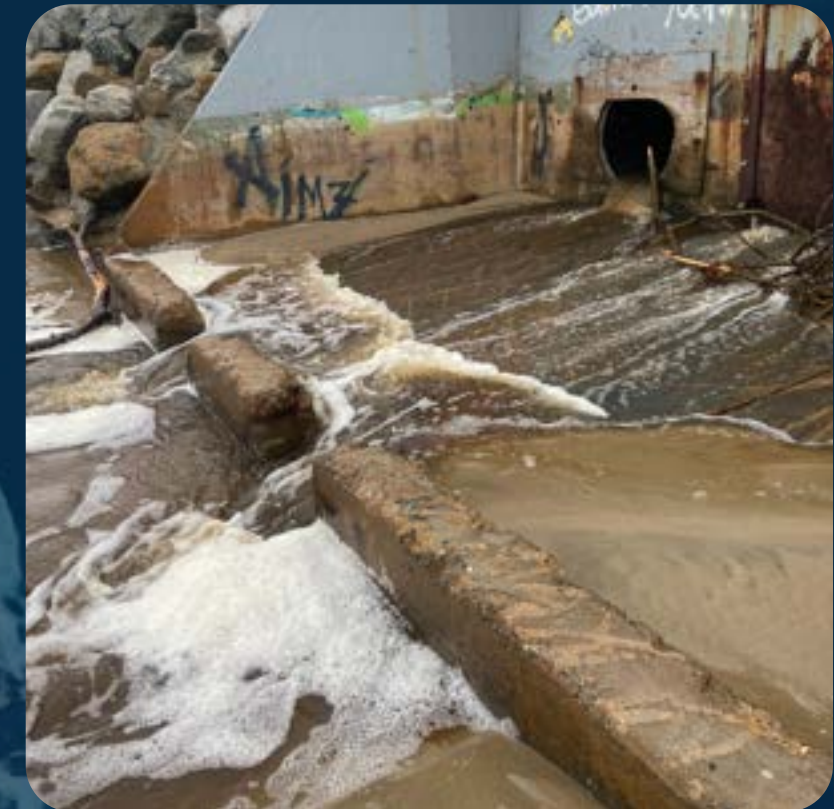
- Sites Monitored: Bay Street
- Dry Run
 - No flow
- First Flush
 - Exceeded limits for E. coli, Enterococcus, turbidity, surfactants, copper, zinc, lead, and orthophosphate
 - Notable result: E. coli (Bay Street: 155,310 MPN/100mL)

SURFACTANT STUDY

Understanding Waterborne Foam in Stormwater

Background

- Waterborne Foam: common in both freshwater and marine habitats, often linked to storm events and stagnant water
- Foam Formation: Caused by surface-active molecules entraining air in turbulent conditions. Sources can be natural or anthropogenic (ex. detergents, wastewater discharges)

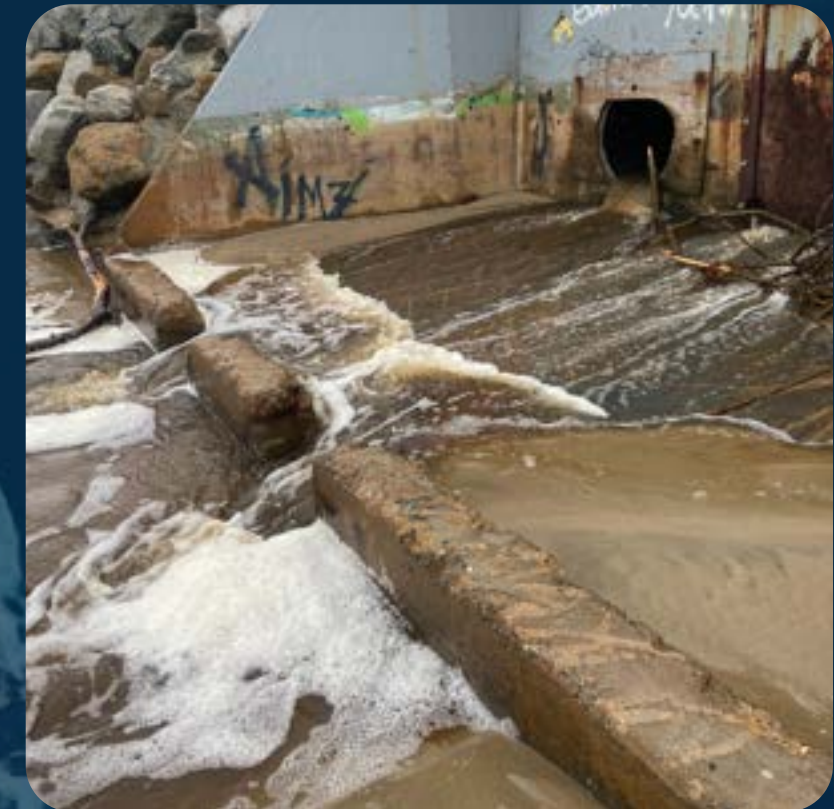


SURFACTANT STUDY

Understanding Waterborne Foam in Stormwater

Implications for Stormwater Compliance

- **Pollution Identification:** Differentiating natural foam from pollution-driven foam is critical for regulatory compliance
- **Future Monitoring:** Enhanced surfactant testing can improve source identification, helping to manage stormwater more effectively and meet environmental standards



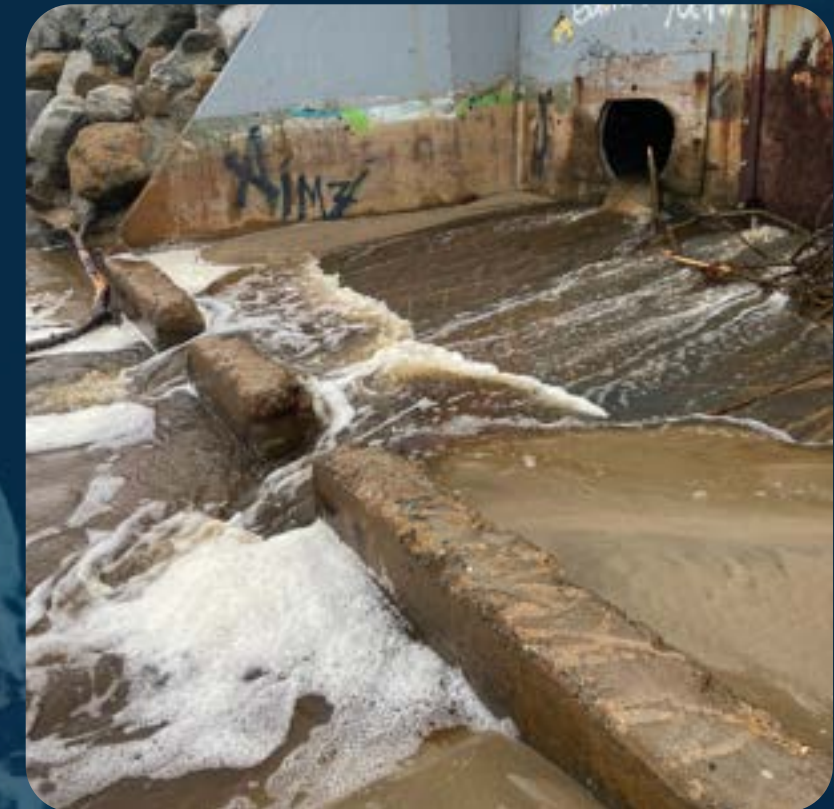
SURFACTANT STUDY

Understanding Waterborne Foam in Stormwater

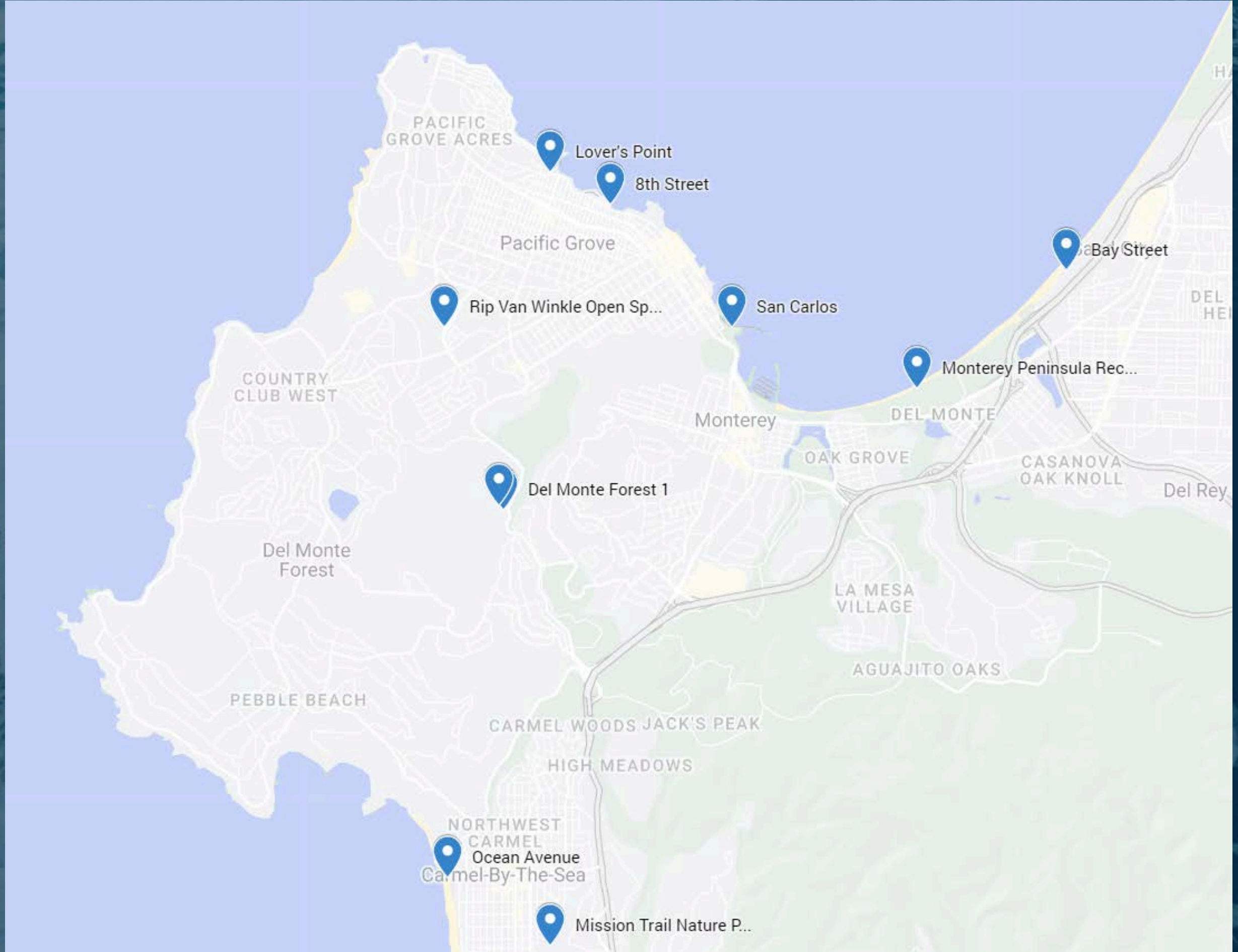
Objectives

- Purpose: Evaluate Foam Sources

1. Water Quality Differences: Identify generic water quality differences in sites with visible foam.
2. Testing Parameters: Explore alternative methods for quantifying foam.
3. Response Planning: Develop strategies for addressing future foam-related events.



SITES MONITORED

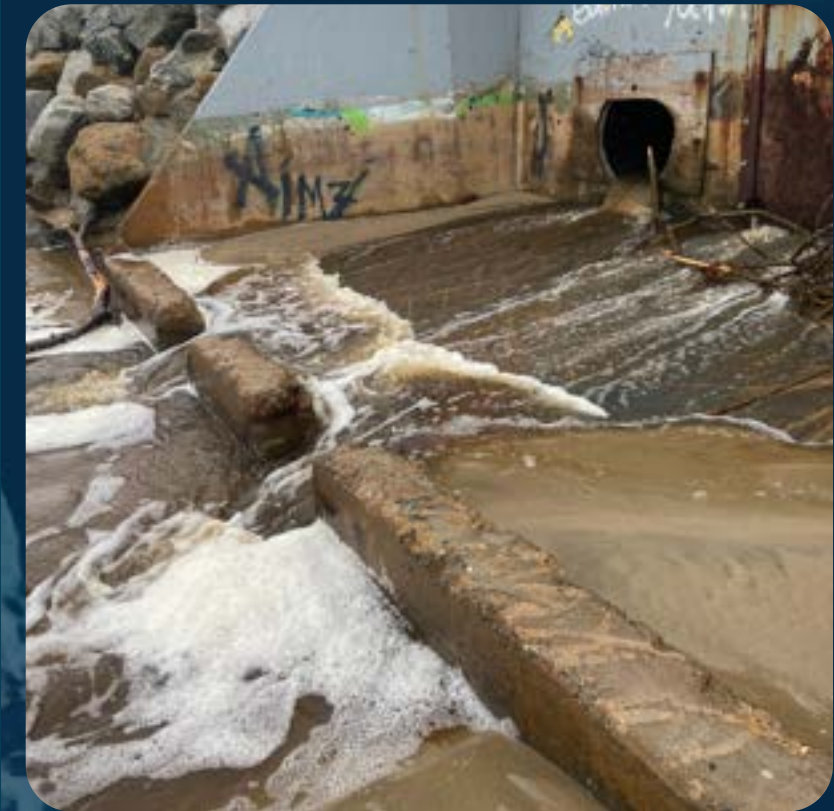


SURFACTANT STUDY

Understanding Waterborne Foam in Stormwater

Analytical Methods

- Lab Analysis
 - Fecal indicator bacteria
 - Generic surfactants (MBAS)
 - Specific surfactants (Alkylphenol and Alkylphenol ethoxylates)
 - Nutrients and physical-chemical parameters
- Methodology
 - ELISA for alkylphenols; chromogenic reaction quantified against a standard curve



SURFACTANT STUDY

Understanding Waterborne Foam in Stormwater

Key Findings and Implications

- 1. Site to Site Variation**
- 2. Nutrient Trends**
- 3. Surfactant Testing**
- 4. Sample Processing**



NEXT STEPS



- **Continue to pursue management efforts that improve runoff water quality:**
 - **Public education and outreach**
 - **Public involvement in clean-up and sampling**
 - **Reduce/eliminate illicit discharges**
 - **Periodically cleaning out storm drains**
 - **Assess sewer line integrity**





Two Grant Opportunities Now Open: FY25 Marine Debris Removal and Interception Technologies under the Bipartisan Infrastructure Law

- **Fiscal Year 2025 NOAA Marine Debris Removal Letters of Intent due on September 27, 2024, 11:59 p.m. Eastern Time.**
- **Fiscal Year 2025 NOAA Marine Debris Interception Technologies Letters of Intent due on October 09, 2024, 11:59 p.m. Eastern Time.**



FIRST FLUSH

*Interested in learning more about your watershed?
VOLUNTEER WITH US!*

Join your community
in water quality
monitoring efforts
during our first
major rainstorm in
Monterey County.



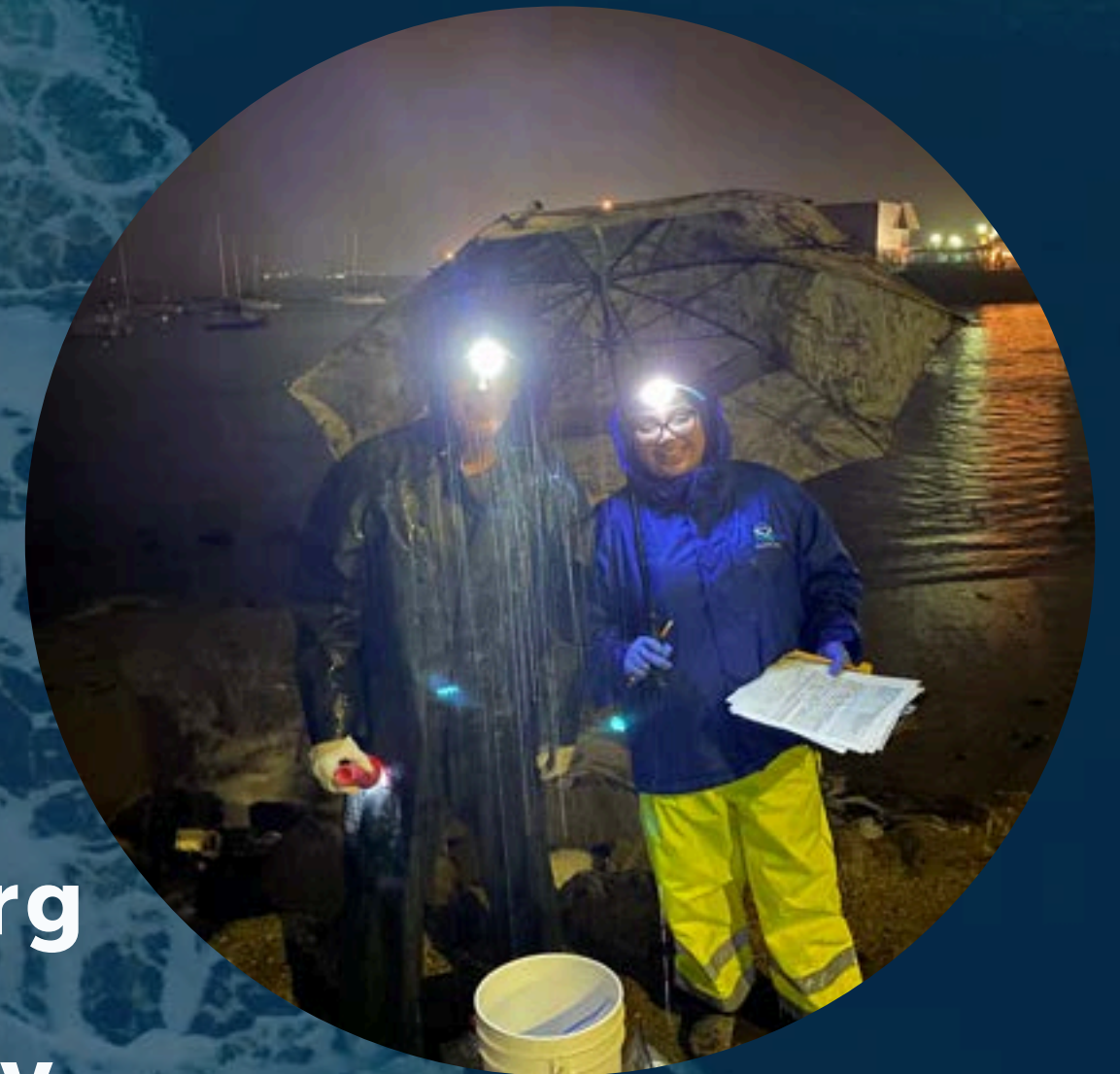
Become a
community
scientist!



Sign up
today!



ANY QUESTIONS?



Lindsay@californiamsf.org

Lindsay.Brown@noaa.gov

Public Education/Public Outreach Program Update for Monterey Regional Storm Water Management Program (MRSWMP) Committee Meeting

September 25, 2024

By Maris Sidenstecker, Executive Director, Save The Whales



MONTEREY SEA

Stormwater Education Alliance

WWW.MONTEREYSEA.ORG

School Presentations

Scheduled/Completed 2024

School	Presentation Date	# of Students or Classes
YMCA Summer Camp, Moss Landing with beach field activities	July 17	Reached 60 students, grades K-8
Cub Scout Camp, Monterey	July 25	Reached 64 students, grades 1-5
Santa Catalina School, Monterey School paid for bus to transport students to beach.	September 18	Reached 32 students, grade 6. Beach cleanup and activities to learn about marine debris and storm drain pollution, view birds, whales, and dolphins from shore.



Continued School Presentations

Scheduled/Completed 2024

School	Presentation Date	# of Students or Classes
Robert Down School, Pacific Grove	September 18	Reached 75 students, grade 2. 3 Classes, Sea Otter programs.
Forest Grove Elementary, Pacific Grove	September 19	Reach @ 47 students, grade 2. 2 Classes, Marine Mammal programs.



Public Events/Activities Scheduled

2024

Events	Date	City/Location
MEarth Pumpkin Patch Event with hands-on watershed model	9/15/24	Carmel-Reached 40 people
Coastal Cleanup Day	9/21/24	Local MRSWMP Beaches
Stormwater Awareness Week	9/23/24-9/27/24	Social Media Toolkit
Upcoming	Date	City/Location
First Flush Needs Volunteers	MBNMS Is The Lead	Happens during 1 st big rain event
Seaside Fire Station Open House	10/5/24	Seaside



New TV Ads Media Outreach

2024-2025

TV Station	Month	Number of Ads
KCBA (CW)	Not scheduled	Waiting for last partner to Be On Board for cost share before booking airtime.
KION	Not scheduled	
Telemundo (Spanish Language)	Not scheduled	
FOX 35 KION	Not scheduled	



MEarth Event September 15, 2024



Grade 6, Santa Catalina Students Beach Activities



First Flush Needs Volunteers



Seaside Fire Station Open House October 5, 2024



SEASIDE FIRE DEPARTMENT

SEASIDE FIRE
OPEN HOUSE

SATURDAY, OCTOBER 5, 2024 | 10 AM - 2 PM
1635 BROADWAY AVE., SEASIDE, CA

Join us for our Annual Open House as we kick off National Fire Prevention Week!

- ✓ Activities for the Whole Family
- ✓ Community Resource Tables
- ✓ Live Demonstrations by Firefighters
- ✓ Free Community BBQ

MEET SPARKY!

