2023 RMP Annual Meeting

David Brower Center
Berkeley, CA
October 12, 2023
We acknowledge the San Francisco Bay is the ancestral homeland of many indigenous people, including the Ohlone, Patwin, Coast Miwok, and Bay Miwok.

(acknowledgement developed by the native people of the SF Bay)
Virtual Audience Zoom tips

1. Update your name and add your affiliation.
2. Use the chat function if you have a comment, question, or technical issue.
3. The Zoom moderator will repeat/voice questions from our virtual audience for the speaker or the panel.

In person attendees

1. Please note that our virtual audience won’t be able to hear anything that is not spoken directly into a microphone. A runner will bring a microphone so that our virtual audience can hear the question or comment.
New Faces at the RMP

Amy Kleckner  Pedro Avellaneda  Jennifer Dougherty  Kayli Paterson
New Advisors on the TRC

Thank You

• Yuyun Shang (EBMUD)
• Mary Lou Esparza (Central Contra Costa Sanitary)
• Tessa Beach (USACE)

Welcome

• Jaime Rose Sibley Yin (USACE)
• Alicia Chakrabarti (EBMUD)
• Samantha Engelage (Palo Alto)
RMP Work Groups

• New expert advisor to the MPWG
  • Dr. Barbara Beckingham (College of Charleston)

• 15 Special Studies projects approved
New and Improved RMP Webpage went Live in June.

https://www.sfei.org/programs/rmp
Status & Trends 2023

RMP Budgeted Expenses: 2023

- Special Studies: $1,533,000
- S&T Monitoring: $1,667,000
- Prog. Mgmt.: $351,100
- Governance: $396,800
- QA and Data Svcs.: $270,000
- Reporting: $165,000
- Communications: $202,500

Toxic Contaminants in Water – Dry Season Water Cruise
Toxic Contaminants in Water – Wet Season Yr 2 (Pilot)
Selenium in Sturgeon muscle tissue
Toxic Contaminants in Near-field Bay Sediment
Toxic Contaminants in Bay Margins Sediment
S&T Monitoring – Sediment Cruise
Toxic Contaminants in Prey Fish
Toxic Contaminants in Harbor Seals – Special Study Yr 1 (2 year pilot S&T 2026?)
Status & Trends 2023

- Selenium in Sturgeon muscle tissue (delayed from 2022)
- USGS Moored Sensor Network for Suspended Sediment
- USGS Monthly Cruises for Nutrients and Phytoplankton
- Toxic Contaminants in Water – Wet Season Year 2 (Pilot)
- **Toxic Contaminants in Sediment – Sediment Cruise**
- Toxic Contaminants in Near-field Bay Sediment
- Toxic Contaminants in Bay Margins Sediment
- Toxic Contaminants in Prey Fish
- Toxic Contaminants in Harbor Seals
- **Toxic Contaminants in Water – Dry Season Water Cruise**
Sturgeon sampling

• Goal was to collect samples from 30 fish
• Able to collect 12 samples over 4 full days of fishing
Deep Bay Sediment

• 16 stations, 4 targeted “historic” stations (1 each from CB/SB/LSB + 1 Pinole Point) and 12 random stations (4 CB, 4 SB, 4 LSB)
• PFAS, bisphenols, TOC, N % solids, grain size
• PBDEs (to be discontinued after this year)
★ 229 containers of sediment collected over 4 days
The 2023 Water Cruise
“The Latest Cruise News.....”
RV Tomcat
• PFAS, bisphenols, OPEs, Cu, CN, Ancillary, QACs, pharmaceuticals
• 22 stations distributed across the five Bay segments
  ○ 6 fixed: 1 in each of the 5 subembayments and an additional 1 in the LSB.
  ○ 16 random
More than 300 L of water was collected for 435 samples
RMP Partners for S&T 2023

- San Francisco Bay Regional Water Quality Control Board
- US Environmental Protection Agency
- Applied Marine Sciences
- SGS AXYS
- Brooks Analytical Labs
- Eurofins Scientific
- Caltest Analytical Laboratory
- San Francisco Public Utilities Commission Water Quality Division
- US Geological Survey
- Moss Landing Marine Laboratory
- Marine Pollution Studies Laboratory
- Gatecrasher Fishing Adventures
- Golden Bear Research Center, CSUM
- Marine Applied Research and Exploration
- Enthalpy Analytical
- The Marine Mammal Center
- Shira Bezalel Photography
Status & Trends 2024

• USGS Moored Sensor Network for Suspended Sediment
• USGS Monthly Cruises for Nutrients and Phytoplankton
• Toxic Contaminants in Water – Wet Season
• Selenium in Clams, Water, and Sturgeon
• Toxic Contaminants in Cormorant Egg Tissue
• Toxic Contaminants in Sport Fish
• Toxic Contaminants in Harbor Seals
Thank you!

Photo credits:
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https://www.sfei.org/programs/rmp