



RMP

REGIONAL MONITORING
PROGRAM FOR WATER QUALITY
IN SAN FRANCISCO BAY

sfei.org/rmp

Technical Review Committee

March 26, 2024
9:00 AM – 2:20 PM

HYBRID MEETING

In Person

SFEI

First Floor Conference Room

Remote Access

<https://us06web.zoom.us/my/sfeiconfcw1>

Meeting ID: 769 935 6044

Dial in:

+1 669 900 6833 US (San Jose)

AGENDA

1.	Introductions and Review Agenda Welcome Jade Ishii (attending for Jamie Yin) USACE	9:00 (10 min) Bridgette DeShields
2.	Decision: Approve Meeting Summary from December 7, 2023, Review/Confirm/Set Dates for Future Meetings, and Confirm TRC Chair Scheduled meetings: Steering Committee April 15, 2024 August 12, 2024 November 4, 2024 (+ MYP Workshop) Technical Review Committee June 13, 2024 September - TBD December - TBD Annual Meeting - October 16, 2024	9:10 (15 min) Bridgette DeShields

	<p>Materials:</p> <ul style="list-style-type: none"> • TRC Meeting Summary, see pages 6-19 <p>Desired outcomes:</p> <ul style="list-style-type: none"> • Approve meeting summary • Set additional meeting dates 	
3.	<p>Information: SC Meeting Summary from January 22, 2024</p> <p>Materials: SC Meeting Summary, see pages 20-32</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee 	<p>9:25 (10 min)</p> <p>Amy Kleckner</p>
4.	<p>Discussion: Wet Season Sampling Update</p> <p>The stormwater team has been busy the last few months sampling for several different projects.</p> <p>Materials: None - Slides presented at the meeting</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee 	<p>9:35 (15 min)</p> <p>Alicia Gilbreath</p>
5.	<p>Discussion: S&T Monitoring Update</p> <p>Update on progress and plans for upcoming sampling (wet/dry season water, sport fish, bird eggs, marine mammals) and a summary of the MRC study, "Selenium Impacts on Aquatic Life".</p> <p>Materials: Slides pages 33-41</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee • Input on future monitoring plans 	<p>9:50 (15 min)</p> <p>Amy Kleckner</p>
6.	<p>Information: Introducing Our New Watershed Modeler</p> <p>Meet SFEI's new addition to the modeling team, Dr. Matthew Heberger.</p> <p>Materials: None</p>	<p>10:05 (15 min)</p> <p>Jay Davis</p> <p>Matt Heberger</p>

	Desired outcome: <ul style="list-style-type: none"> ● Informed Committee 	
	Break	10:20 (10 min)
7.	<p>Information: Workgroup Planning Update</p> <p>Overview of Tier 1 and Tier 2 Special Study proposals in development, including studies that could be funded with increased funding from USEPA's San Francisco Bay Program Office.</p> <ul style="list-style-type: none"> ● March 21 - SedWG #1 ● April 16 - ECWG #1 ● April 17 - ECWG/SPLWG ● April 30 - MPWG ● May 16 - SedWG#2 ● May 20 - SPLWG#2 ● Late May? - PCBWG <p>Materials: Slides presented at meeting</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> ● Informed Committee ● Guidance for Workgroups 	10:30 (1 hr) Jay Davis
8.	<p>Discussion: Status and Trends and Program Management Planning Update</p> <p>Discuss preliminary ideas on how potential increased funding from USEPA's San Francisco Bay Program Office will best be used to expand S&T monitoring and program management tasks, and a timeline for further discussions.</p> <p>Materials: Slides presented at meeting</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> ● Informed Committee 	11:30 (30 min) Amy Kleckner Jay Davis
	Lunch	12:00 (45 min)
9.	<p>Discussion: Interlaboratory Comparison Study Results for 2023 and QA Update</p> <p>Presentation of the preliminary findings from the 2023 Interlab comparison study of PFAS in water samples. Present ideas for 2024 Interlab comparison study. Update the committee on recent QA findings.</p>	12:45 (30 min) Don Yee

	<p>Materials: None - slides presented at the meeting.</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee • Input on future interlab comparison studies 	
10.	<p>Information: Cu and CN 2021 Data Updates</p> <p>Materials: Slides presented at meeting</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee 	<p>1:15 (15 min)</p> <p>Martin Trinh</p>
11.	<p>Discussion: Communications Update</p> <p>Brainstorm on speakers for the RMP Annual Meeting. Discuss the possibility of including SOTE presentations and posters.</p> <p>Materials: Slides presented at the meeting</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Ideas for Annual Meeting speakers 	<p>1:30 (30 min)</p> <p>Jay Davis</p>
12.	<p>Information: Status of Deliverables and Action Items</p> <p>Materials: Deliverables and Action Item slides and tables, pages 42-54</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Informed Committee 	<p>2:00 (10 min)</p> <p>Amy Kleckner</p>
13.	<p>Discussion: Plan Agenda Items for Future Meetings</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • Identify future agenda items 	<p>2:10 (5 min)</p> <p>Jay Davis</p>
14.	<p>Discussion: Plus/Delta</p>	<p>2:15 (5 min)</p> <p>Bridgette DeShields</p>
	Adjourn	2:20

Recently Completed RMP Reports/Products

Avellaneda, P. M.; Zi, T. 2024. **Modeling Stormwater Loads of Contaminants of Emerging Concern: Literature Review and Recommendations**. SFEI Contribution No. 1131. San Francisco Estuary Institute: Richmond, CA.
<https://www.sfei.org/documents/modeling-stormwater-loads-contaminants-emerging-concern-literature-review-and>

Holleman, R.; King, A.; Karimpour, F.; Mugunthan, P.; Roberts, D.; Senn, D. 2024. **Development of Semi-Empirical Light Extinction Estimates for Biogeochemical Modeling Applications in San Francisco Bay**. SFEI Contribution No. 1177. San Francisco Estuary Institute: Richmond, CA.
<https://www.sfei.org/documents/development-semi-empirical-light-extinction-estimates-biogeochemical-modeling-applications>

Kleckner, A.; Davis, J. 2023. **2024 Detailed Workplan and Budget**.
<https://www.sfei.org/documents/2024-detailed-workplan-and-budget>

Kleckner, A.; Davis, J. 2024. **Multi Year Plan 2024**. SFEI Contribution No. 1167. San Francisco Estuary Institute: Richmond, CA.
<https://www.sfei.org/documents/multi-year-plan-2024>

Yee, D.; Wong, A.; Weaver, M. 2024. **2024 Quality Assurance Program Plan for The Regional Monitoring Program for Water Quality in San Francisco Bay**. SFEI Contribution No. 1169. San Francisco Estuary Institute: Richmond, CA.
<https://www.sfei.org/documents/2024-quality-assurance-program-plan-regional-monitoring-program-water-quality-san>



Bay RMP Technical Review Committee Meeting

December 07, 2023

Meeting Summary

Attendees

TRC Member	Affiliation	Representing	Present
Alicia Chakrabarti	EBMUD	POTW	Y
Mary Lou Esparza	Central Contra Costa Sanitary District	POTW	N
Tom Hall	EOA, Inc.	POTW	Y
Heather Peterson	City and County of SF	CCSF	N
Samantha Engelage	City of Palo Alto	POTW	Y
Bridgette DeShields*	Integral Consulting	Refineries	Y
Chris Sommers	BAMSC (EOA, Inc.)	Stormwater	Y
Shannon Alford	Port of San Francisco	Dredgers	N
Richard Looker	SF Bay Regional WQCB	Water Board	Y
Luisa Valiela	US EPA	US EPA-IX	Y
Ian Wren	Baykeeper	NGOs	N
Jamie Yin	US Army Corps of Engineers	USACE	N

Staff and Others

- Jay Davis – SFEI
- Amy Kleckner – SFEI
- Martin Trinh – SFEI
- Don Yee – SFEI
- Craig Jones – Integral Consulting
- Bryan Frueh – City of San Jose
- Paul Salop – Applied Marine Sciences

1. Introductions and Review Agenda (00:03:00)

Bridgette DeShields opened the meeting with a round of introductions and a brief review of the day's agenda. Key agenda items include updates on EPA's draft annual priority list, S&T monitoring, data services and informatics, and event-based monitoring.

2. Decision: Approve Meeting Summary from September 19, 2023, and Confirm/Set Dates for Future Meetings (00:04:45)

Bridgette asked the group for any final comments on the previous meeting's summary. Bridgette noted Mary Lou Esparza should be recognized for her contributions to the TRC and RMP. Receiving no other comments, Bridgette confirmed the dates for upcoming meetings. The Committee confirmed the first TRC meeting of 2024 for March 26, 2023 and scheduled the following meeting for June 13, 2024. The Committee confirmed the RMP Annual Meeting for October 16, 2024.

Action Item:

- Edit requested: the 9/19 meeting summary to include recognizing Mary Lou Esparza. Update Meeting Summary and repost to website etc. (Martin Trinh, 12/31/2023)
- Send out calendar invites for June 13, 2024 TRC meeting (Martin Trinh, December 15, 2023)

Decisions:

- Richard Looker motioned to approve the meeting summary. Luisa Valiela seconded the motion. The motion was carried by all present members.

3. Information: MYP and SC Meeting Summary from November 1, 2023 (00:09:23)

The Multi Year Plan workshop began with Amy setting the stage - planning for 2024 and beyond. This included a summary of the 2024 RMP budget, work highlights and priorities in 2024, and outcomes of discussions with stakeholders in recent meetings. Included in the discussion of the RMP budget was increased funding from WQIF grants and planning for additional funds from the EPA SF Bay Program in the future. Some of the work highlights included preparing for upcoming storm events, building of the SFEI Mayfly remote sampler, and final years of pilot studies of wet season water sampling and marine mammals. Future priorities discussed at stakeholder meetings included a need for baseline information to support monitoring climate-related changes, trash and microplastics, modeling watershed PCB and Hg loading more broadly, and CECs monitoring to identify sources.

Tom Mumley led the next agenda item reviewing the RMP management driver table. The tables remained mostly unchanged except for review of 303(d) listings for sediment hotspots now listed as ongoing and the addition of specific CECs to the table of potential future drivers.

Amy then reviewed the changes to the S&T plan for 2024 compared to what was originally laid out in the last MYP update. The grand total budgeted for S&T activities in 2024 is \$1.95M compared to the \$2.2M forecasted in last year's MYP. The changes in 2024 are to pause North Bay selenium sampling to allow for a review of the data and sampling and analysis plans. Non-target analysis and passive samplers for water will be delayed until 2025 and 2026. Budget adjustments to Bird Eggs and Sport Fish were made to cover anticipated costs in 2024. These adjustments factored in previous actual expenditures for these efforts and also anticipated cost increases for subcontractors and labor. A model maintenance budget of \$50k was added to S&T for 2024.

RMP staff sought guidance on priorities and funding levels for workgroups with the group proposing to maintain 2023 funding levels. The multi-year plan underwent changes, incorporating core funds and adjusting the ranking and prioritization process for study proposals. Instead of categorizing proposals as high priority and SEP, a two-tier approach was adopted, with Jay tasked to develop a format for tier 2 proposals. Jay also presented a review of the priority workgroup agenda items and scheduling plans, maintaining a structure similar to 2023. The summary action items included the completion of a revised multi-year plan draft, with a final call for comments scheduled for the Steering Committee meeting in January. An internal kickoff meeting with workgroup leads is set for January 18 to review Committee-outlined guidance for work groups.

To begin the Steering Committee meeting, Tom shared his plan to retire by summer 2024. Karin expressed a willingness to chair post Tom's retirement, and Tom expressed a desire to continue his participation post retirement but as to what role or capacity was not defined. It was understood that this may require potential modifications to the charter to delineate a role. A motion to approve Tom as Chair and Karin as Vice Chair was approved.

Kelly presented an update on the progress of the remote sampler purchase. She shared that at the SST meeting on September 21 that the recommendations were to continue with the plans for SFEI Mayfly sampler, conduct pilot sampling with the current design in WY (Water Year) 2024, while in parallel working on improvements to address contamination issues. The plan is to use these funds to build up to 10 Mayflies this

winter. Plans for WY 2025 depend on outcomes of the pilot deployments this year, how far we can get on the Mayfly improvements, and the Stormwater CEC Approach. Future considerations include a possibility of a second set of Mayfly samplers to minimize CEC contamination concerns, use of ISCOs and possible permanent ISCO installations. Current budget should be sufficient to cover all sampler purchases but not cover the building of permanent installations.

Beth delivered the financial update for Quarter 3 outlining percentages of annual budgets expended and fee collections. Beth outlined changes in the LAIF and Set-Aside funds showing interest updates and withdrawals and contributions. An early release of funds was approved for a stormwater project that had not previously been included in earlier meetings requests for early release of funds.

Amy then presented the 2024 budget and workplan. All members present approved the workplan and budget.

The group discussed event-based monitoring, which types of events to target, and the need to establish a more structured approach. The consensus was that the RMP will develop a matrix of event types and subsequent monitoring needs, with a priority given to high flow events and HABs. An initial small group meeting (Jay, Amy, Richard Looker, Dave Senn) will be scheduled to brainstorm types of events, level of effort and ways to pull in other groups.

Jay elaborated on the format for tier two proposals, proposing a condensed one-page document covering essential elements such as a short summary, rationale, description of planned activities, budget information, and participant names. The discussion delved into considerations about the necessity of timelines and the suggestion to offer flexibility in estimating project timelines for easier researcher planning. The group contemplated the idea of setting a budget threshold that would trigger the requirement for a full proposal for higher-cost projects. Chris Sommers also brought up the importance of assessing the actual cost savings for staff in writing shorter proposals, suggesting a post-implementation review to evaluate the effectiveness of the two-tier approach. The discussion contributed to the formulation of a comprehensive plan for the Tier 2 proposal format.

Action Items:

- Send final reminder for comments/edits to the MYP draft. (Amy Kleckner, 12/15/23)
- Finalize MYP for SC Meeting on 1/22/24 (Amy Kleckner 1/12/2024)

4. Discussion: EPA Program Office Update (00:31:45)

Luisa Valiela presented the annual program priority list for the expanded San Francisco Bay Program, included as part of the National Defense Authorization Act. The Act served as a funding mechanism, leading to the establishment of an authorized program called the San Francisco Bay Program. Language in the legislation included direction to EPA to create an Annual Priority list which identifies needed projects and studies. In creating the list, EPA should consider recommendations from the SFEP, SF Water Board, SFBRA, and other stakeholders. Luisa highlighted the significant increase in funding, from approximately \$5 million per year to the authorized level of \$54 million. Luisa presented the draft priority list, emphasizing that these were not ranked priorities but rather program areas intended to reflect collaborative efforts for Estuary restoration. Feedback was sought on the proposed priorities, with adjustments already made based on previous input, such as specifying "habitat, eelgrass, and oyster reef restoration" under the "Subtitle A" category. Luisa welcomed ongoing feedback and suggestions for additional venues or stakeholders to engage with, recognizing the importance of refining the list collaboratively. Luisa concluded with an overview of the timeline for finalizing the list, targeting the end of winter or early spring, and highlighted the need for quick action to allocate funds incrementally under continuing resolutions. The challenges of moving away from a competitive grant program and developing new funding mechanisms were acknowledged, with a focus on figuring out the logistics with the help of the department, headquarters, and legal experts. The TRC suggested potential categorization improvements, such as using a Venn diagram or broader categories, to enhance the clarity of the proposed priorities. Luisa also sought input on how stakeholders preferred to receive updates on the program's progress in the long term.

The TRC acknowledged the increased attention on the topics of climate resiliency and equity, but expressed difficulty in incorporating these concepts into their existing framework. To address this, a decision was made to add additional language to the existing documentation, including a priority list presented as a table with explanatory language. The focus was on aligning with the Biden administration's justice and equity goals, emphasizing meaningful engagement with underserved communities or tribes in funded projects. To specifically address climate resiliency and equity concerns, it was decided not to create separate buckets but to integrate these considerations into the existing priorities. The commitment was made to include language in funding agreements emphasizing engagement and equity considerations.

Chris Sommers offered input on structuring the information to make it more comprehensible for the public, suggesting two broader categories: habitat restoration (including monitoring) and contaminant control programs. Chris raised concerns about the absence of the term "emerging contaminants" in the presentation. He suggested

explicitly mentioning projects related to emerging contaminants, such as PFAS, and discussed the need for clarity in language.

The discussion continued with various comments on organization of the illustration, the inclusion of specific terms like "trash," and considerations for funding distribution. Towards the end, there was a conversation about the readiness of the organization to handle the anticipated flow of funds. Luisa acknowledged that the current year might feel messy due to simultaneously developing programs and disbursing funds. There were also discussions about potential regional entities to manage funds efficiently, with a focus on finding suitable organizations and municipalities willing to accept federal funding.

The TRC acknowledged the need for detailed planning and consideration of the scale of projects, expressing a preference for streamlining processes and avoiding unnecessary complexity. The ongoing work on the Wetlands Regional Monitoring Program was highlighted as an example of a project actively being prepared for funding.

The conversation continued with Chris asking about the annual review process and decision-making for the funding. Chris highlighted the importance of readiness in the first year, but he sought clarification on the review process and decision-makers in the subsequent years. The conversation shifted to the mechanics of decision-making, and the participants expressed uncertainty, with a mention of the latitude given to the EPA in making decisions based on the legislation. There was a discussion about collaboration and the entities named in the list provided by the legislation. The importance of finalizing the list to ensure satisfaction among stakeholders was emphasized. The group acknowledged the challenge of reporting progress to different entities with potentially conflicting interests, and the need for metrics and reporting mechanisms was raised.

The discussion turned to the possibility of funds being allocated to management actions and projects on the ground. Questions arose about staffing and management, and considerations for the allocation of funds to different projects. The conversation delved into the complexity of reporting back to Congress and managing expectations. Chris noted the potential need for metrics, and mentioned the numerous Excel spreadsheets that need to be filled out regularly for progress tracking. Luisa acknowledged the ongoing inquiries from Congress about the progress of the program office.

The discussion shifted to the Delta and whether the funding can be used for Delta-related work. The participants expressed a focus on San Francisco Bay but acknowledged the connection with the Comprehensive Conservation and Management

Plan (CCMP), which includes Delta work. Luisa noted the decision not to have a separate Delta bucket unless directed otherwise.

The conversation concluded with a discussion about the potential establishment of a PFAS workgroup. The need for coordination and the challenges of intra-work group coordination were highlighted. Concerns about bandwidth and institutional capacity were raised, emphasizing the importance of effective communication and coordination among workgroups, technical advisors, and stakeholders. Chris expressed his concerns about the increasing workload and the need for organizational discussions around capacity and resources.

Action Items:

- Discuss formation of PFAS workgroup with Steering Committee (Jay Davis, 1/12/2024)
- Discuss Program Office with PCB Workgroup (Jay Davis 1/12/2024)
- Include this agenda item for the 1/22/24 SC meeting (Amy/Jay 1/12/24)

5. Information: 2024 Workplan (01:22:00)

Amy presented the TRC with the updated 2024 Workplan. She noted the core fees totals assumed a dredger shortfall of \$200k, additional funding from POTWs for alternate monitoring and reporting, \$100k from stormwater, a \$500k withdrawal from the S&T set aside (this is lower than the planned \$650k), \$320k from the undesignated reserve; \$180k for the remote sampler purchase, and \$140k for workgroup strategy allocations. The expected revenue totaled \$5,216,129 with expenses at \$5,216,074, leaving a balance of \$55.

Amy addressed the Program implementation costs for 2024, emphasizing that most increases were related to labor costs associated with annual salary raises. Program management increased over 2023 to cover internal coordination needs and staff salary increases. Governance maintains a similar workgroup structure to 2023 with in-person/hybrid meetings with potentially accommodating more advisor travel. QA and Data Services increased in line with staff salary increases. Annual Reporting increased for the Pulse in 2024. What was not spent in 2021 for the RMP Update supplemented the 2022 budget to produce the Pulse. The 2023 and 2024 planned budgets more accurately reflect what will actually be spent in those years. The communications budget assumes more in person conference attendance, associated travel costs, and general design work.

Amy presented a graph showing the Special Studies Budgets, for Core RMP funds only, in 2024. These slices do include strategy funds. In 2024, ECWG was allocated

\$100k from Stormwater CEC funds and \$339,488 from AMR Funds, so the remaining amount of RMP funds that went to ECWG was \$275,112. The chart also does not include any potential future SEP funds, anticipated WQIF funds, or other pro bono sources that may come available in 2024.

Major portions include sport fish, bird eggs, and water, with additional allocations for USGS sediment and nutrients. Amy showed a chart illustrating special study budgets for the core RMP funds, specifying that these slices did include strategy funds.

6. Information: Watershed Modeling Update (01:28:30)

Jay provided an update on the RMP's watershed modeling, including challenges, progress, and future plans. Jay noted the departure of Tan had been a major obstacle, but the Institute was making steps to move forward. Jay updated the TRC on the ongoing discussions with key stakeholders, including Richard, Tom, and Chris.

Jay praised Pedro Avellanda's excellent work thus far at the RMP, detailing his progress on various tasks, including CEC data analysis, a model exploration report, San Leandro Bay watershed modeling, and NextGen Urban Greening. Jay noted that multiple RMP projects have been on hold, creating a backlog.

Jay enthusiastically reported nearing the conclusion of a hiring process, with the expectation of having a new watershed modeler on the team by January. The anticipation is that this addition will significantly contribute to addressing the existing gaps in the team. Luisa requested to meet the new hire at the next TRC meeting, raising questions about the status of the Regional Watershed Spreadsheet Model (RWSM) and its potential impact on CEC projects.

Jay discussed the exploration of external consulting help. Detailed discussions with Lester, Tom, Richard, and Chris have been ongoing, sorting out who and how to bring in external support. The next step in this process is to examine budgets and revise workplans.

Chris acknowledged the challenges of the more transient nature of the workforce, emphasizing the need to create stable teams that require less onboarding. The importance of consultant support to create stability and overcome turnover was underlined.

Jay provided a thorough overview of the challenges faced, the progress made, and the strategies moving forward in the realm of watershed modeling.

7. Information: S&T Monitoring Update (01:50:00)

Amy began this item with an update on the RMP's 2023 efforts. All samples have been collected. Nearly all have reached the labs for analysis, with data beginning to trickle in. Amy had started drafting a contract with CCSF to analyze the sturgeon samples we had collected in the Spring and also had been in communication with Dr. Ben Linhoff who is the new selenium PI at USGS. They discussed being able to run future selenium tissue samples at the USGS starting in summer 2024, but unfortunately the RMP had a freezer failure on November 21st and the sturgeon tissue plugs were compromised. The samples were completely thawed out, but were kept. They are now refrozen but Amy sought guidance on whether or not the samples should be analyzed. There were only 12 samples, with CCSF serving as an interim lab until USGS took over. Concerns were raised about the limited value of data from CCSF, given differences in methods compared to Amy's preferred approach. Despite being cost-effective, CCSF's data was viewed with caution. Jay considered the data high-profile, contemplating the implications of marking it with an asterisk, with Bridgette agreeing.

Amy followed by providing updates on the completed sediment cruise, with data expected by the end of January. Emphasis was placed on grain size analysis for ALS, near-field, and margin sediments. Preparations for harbor seals for AXYS and prioritizing PFAS data in dry season water samples were also covered.

Wet weather sampling is now in its third year, aiming for consistency between WY23 and WY24. The team aimed to sample two storm events and once in the dry season at 4 near-field and 4 Bay stations, focusing on PFAS, the TOP assay for PFAS, bisphenols, OPEs, and stormwater CECs. The bird eggs and sport fish projects involved drafting contracts by the end of 2023, with sample collection by USGS-WERC staff and analysis by SGS-AXYS. Samples for both projects will be analyzed for PFAS, PCBs, PBDEs and legacy pesticides.

For Marine Mammals, 2024 marked the second year of a two-year special study aiming for 10 harbor seals and 10 harbor porpoises. PFAS analysis, non-target analysis, and sample collection were delegated to SGS AXYS, the Crimmins lab, and Marine Mammal Center, respectively. Amy noted the RMP was beginning the final stages of the North Bay Selenium Data Report 2019-2020 and ongoing discussions with USGS regarding lab analysis. In 2023, liver and blubber samples were collected from 3 harbor seals and serum samples from 6 harbor seals. There were no harbor porpoises collected.

Amy provided an update on the RMP's selenium efforts, noting that the North Bay Selenium Data Report for 2019-2020 is currently in the final internal review stages. The

draft of the 2021-2022 data report is estimated to be available by March 2024. Additionally, ongoing discussions with the USGS regarding lab analysis were highlighted, and the next steps in this collaboration were under consideration.

Action Item:

- Invite Committee members to CW team meetings with guest speakers. (Jay Davis, 12/31/2023)

8. Information: Event-based Monitoring (02:12:40)

Jay led a discussion on event-based monitoring, initially proposed last year in response to the significant events of 2022. The group decided not to address it in 2023 due to ongoing strategy development work but has now decided to prioritize it, given greater bandwidth this year. The Steering Committee discussion included technical input from individuals like Tom Mumley, Eric Dunlavy, and Richard Looker. The focus is on preparing for various events, such as spills or fires, and developing plans and matrices for monitoring responses, considering factors like urgency and impact time. The matrix will summarize event types and monitoring responses. A key step involves collaborating with Dave Senn. There was a suggestion to potentially involve others from Richard's group, considering their expertise and potential availability. The group planned to move forward, acknowledging the need for a rapid response plan for certain events and aiming to involve various stakeholders in the process. The next steps include scheduling a meeting with a small group, including Dave, Richard, Amy, and Jay, to start developing plans and matrices for event-based monitoring.

Action Item:

- Schedule meeting w/ Richard, Dave, Amy & Jay (Jay Davis, 12/31/23)

9. Information: Data Services and Informatics Update (02:24:00)

Adam Wong, SFEI's Data Services Manager, provided an update on the data management in the RMP. Adam began by discussing the datasets finalized in 2023, including North Bay Selenium in water and clam samples, archived sport fish PFAS, stormwater CECs, ethoxylated surfactants, and various matrices in North Bay margins.

Adam noted that some finalized data are not yet public due to ongoing work on manuscripts and reports. He acknowledged challenges with the 2023 timeline, noting that despite completing the Quality Assurance (QA) review process, most data are not yet available on CD3.

Adam discussed budget allocations for database maintenance and process improvements. Adam mentioned changes in flagging processes compared to the past and ongoing efforts to script queries. The team is reserving funds for implementing CEDEN 2, anticipating it in 2024.

CEDEN, which is experiencing leadership changes, poses uncertainties. Adam addressed staff availability issues and discussed the workload associated with multi-year projects, including PCBs in stormwater, involving three separate years.

The presentation featured graphs on data progress, indicating projects completed and ongoing work across various projects. Adam touched on lab timeliness, noting challenges and discussions within SWAMP regarding similar issues.

Chris Sommers raised concerns about the timeliness of POC stormwater data for PCBs, emphasizing its role in guiding inspections and sampling. Adam explained the issues related to splitting contracts with the lab, resulting in delays. Chris stressed the importance of prioritizing the analysis and QA of these data for effective decision-making.

Miguel Mendez's role in QA/QC procedures was highlighted as a positive development, aiming to expedite data processing. Adam shared improvements in communication and collaboration within SFEI to address data processing bottlenecks.

Chris discussed the decision to move away from AXYS due to time considerations, acknowledging that other labs may also pose challenges. The broader industry trend of consolidation was mentioned as a factor affecting service quality. Paul Salop, shared his experiences with AXYS, noting recent improvements in responsiveness. Paul highlighted positive changes in communication and quicker responses to inquiries, which have positively impacted turnaround times for deliverables.

The item concluded with discussions on industry-wide challenges, including turnover and delays with other labs such as Brooks. The TRC expressed hope for continued improvements in lab responsiveness and data delivery timelines.

10. Discussion: Communications Update (02:44:00)

In the communications agenda item, Jay thanked all for their contributions to the 2023 RMP Update and asked TRC members to make requests for the numbers of hard copies of the RMP Update they would like to receive. Jay followed by giving a summary of attendee feedback from the Annual Meeting. 110 people attended in person and 168

attended virtually. A post meeting survey was conducted, with responses mainly from regulators and wastewater/stormwater professionals. Overall, the feedback was positive, with a high level of satisfaction and positive comments about the speakers, topics, and organization. There was feedback on some of the audio and participation issues for online participants and the RMP will be using “Zoom meeting” instead of “Zoom webinar” in the future to try and address these issues. Jay also previewed the 2024 RMP Pulse with the recommendation to have CECs as the theme.

The discussion then shifted to planning for the Pulse, with a focus on CECs. The goal was to create a guide for CECs in the Bay similar to the 2013 Pulse. There was a proposal to expand the CEC profile section, given its enduring value, and the need to represent both the Water Board and DTSC (Department of Toxic Substances Control).

The group discussed updating the management section, hoping for input from Kelly, who was not part of the 2013 team. The risk tier based framework was highlighted, and the group suggested that the updated version should be a centerpiece of the Pulse. The group acknowledged the need for early collaboration and feedback.

The group revisited the structure of the 2013 Pulse, and emphasized a need to update and expand sections, especially in light of increased information on CECs, was recognized. The possibility of EPA input on PFAS was raised, and it was suggested to include a placeholder for EPA information. The challenges of analytical methods, particularly with CECs, were also acknowledged, with a proposal for a one-page section or sidebar on the topic.

Attendees were encouraged to provide additional feedback, and the item concluded with a general consensus that the planning was on track.

11. Information: Status of Deliverables and Action Items (02:57:30)

In her update on the status of deliverables and action items, Amy reported on various completed, overdue, delayed, and upcoming tasks. Among the completed projects are the Sediment Monitoring and Modeling Workplan (SFEI Contribution No. 1100), the WY24 S&T Wet Season Water SAP (SFEI Contribution No. 1154), and a productive RMP Update/Meeting with WSPA (Western States Petroleum). Additionally, the 2024 Annual Workplan and Budget, along with the Draft 2024 MYP Update, have been completed.

Turning to overdue tasks, the MTC Bay Area Land Use Update (SEP) has faced delays due to a lack of updated data, prompting Tony to consult with Caitlyn Sweeney and involve Tom Mumley. Despite Eileen White's outreach to Therese of MTC, the project has been deprioritized due to a shortage of staff capability and funding. Luisa suggested the potential use of EPA funding.

Regarding STLS Regional Model Development, Tan's departure has caused delays in deliverables, and a revised timeline is still in development. The Stormwater Monitoring Strategy for CECs is a work in progress.

In the delayed category, various projects include the analysis of selenium in sturgeon muscle tissue, bird eggs analysis, and the updated model for RWSM. The timeline for the latter is expected in May or June 2024, contingent on Pedro's availability. Nutrients light attenuation and moored sensors work is underway but delayed due to prioritizing permit-related tasks. Approval from WQIF, expected on Friday or Monday, will influence the new estimated timeline for the deliverable, set for 6/2024. The Ethoxylated Surfactants Final Report is experiencing delays in analysis, with remaining sediment and wastewater samples anticipated in spring 2024 and the final report expected by 12/31/24. Data releases for Sediment Delivery to Marshes, initially scheduled for the end of the year, have been postponed until April 2024. The 2023 Interlab comparison study results presentation is still pending, with Eurofins delivering, Enthalpy working on completing their CEDEN EDD, AXYS estimating mid to late January for results, and CCSF's results trickling in. Don is expected to present the results at the next meeting.

Tasks due before the next TRC meeting include the North Bay Selenium Clam and Water Report, the 2023 QAPP Update, the 2021 QA Summary, the Microplastics Strategy Update, the NTA Sediment Data Manuscript and Fact Sheet, the PFAS in Archived Sport Fish Manuscript, and the CECs in Urban Stormwater.

Action Item:

- Share revised draft of margins report after reanalysis (Don Yee, December 12, 2023)

12. Discussion: Plan Agenda Items for Future Meetings (03:09:40)

The group will reconfirm the TRC in March and the group will continue to ensure coordination of special studies, and provide planning guidance for groups. The lab

comparison results report will be shared. The TRC requested updates on the new watershed modeler and decisions about the possibility of a PFAS workgroup.

The discussion then shifted to decision-making on the thawed samples. The loss of samples and its significance were debated, with a potential 20% loss mentioned. The need for documentation of the decision and its justification was emphasized. The importance of clarity and transparency in handling missing data points, especially given the rarity of such occurrences, was underscored.

13. Discussion: Plus/Delta

Overall, the group commended Jay and Amy on the efficient meeting. The TRC particularly appreciated the RMP's sustained efforts on S&T monitoring. In-person attendees noted the eggnog was particularly delicious this year and that the TRC could make an interesting podcast.

Bay RMP Steering Committee Meeting

January 22, 2024

San Francisco Estuary Institute

Meeting Summary

Attendees

SC Member	Affiliation	Representing	Present
Eric Dunlavey	City of San Jose	POTW-Large	Y
Amanda Roa	Delta Diablo	POTW-Small	Y
Karin North**	City of Palo Alto	POTW-Medium	Y
Adam Olivieri	BAMSC / EOA, Inc.	Stormwater	Y
John Coleman	Bay Planning Coalition	Dredgers	N
Tessa Beach	US Army Corps of Engineers	USACE	N
Tom Mumley*	SF Bay Regional WQCB	Water Board	Y
Maureen Dunn	Chevron	Refineries	Y

* Chair, ** Vice Chair, alternates in gray and italicized

Staff and Others:

- Jay Davis, SFEI
- Amy Kleckner, SFEI
- Martin Trinh, SFEI
- Beth Birmingham, SFEI
- Rebecca Sutton, SFEI
- Diana Lin, SFEI
- Kelly Moran, SFEI
- Luisa Valiela, EPA
- Alicia Chakrabarti, EBMUD
- Xavier Fernandez, SF Bay Regional WQCB

1. Introductions and Review Goals for the Meeting (00:00:00)

Following introductions from Steering Committee (SC) members, Tom Mumley briefly reviewed the meeting agenda. Key agenda items include financial updates, project status updates, workgroup strategy updates, an update on the EPA Program Office, and approval of the 2024 Multi-Year Plan and 2024 budget. Tom noted the importance of attendance from John Coleman and the USACE at the upcoming meetings.

2. Decision: Approve Meeting Summaries from MYP Workshop and SC Meeting on November 1, 2023; Confirm Dates for Future Meetings (00:04:39)

Tom Mumley asked the group for any final comments on the previous meeting's summary. Amanda Roa noticed there was a typo on page 2 of the Steering Committee summary. Receiving no other comments, he continued to confirm the dates for upcoming meetings. The SC meeting was confirmed for April 15, 2024, and the proposed dates of August 12, 2024 and November 4, 2024 were tentatively approved. The Technical Review Committee (TRC) will meet on March 26, 2024 and June 13, 2024. The RMP Annual Meeting has been confirmed for October 16, 2024.

Action Items:

- Send out calendar invitations for the August 12, 2024 SC meeting (Martin Trinh, February 1, 2024)
- Follow up with John Coleman (BPC) and Tessa Beach (USACE) re: attendance at the next SC meeting (Amy Kleckner, April 15, 2024)

Decision:

- Amanda Roa motioned to approve the meeting summary. Eric Dunlavey seconded the motion. The motion was carried by all present members.

3. Information: TRC Meeting Summary (00:11:30)

The December 7th TRC meeting started off with the usual agenda items. Luisa presented an update on the EPA Program Office, which will also be covered later today in agenda item #10. The discussion mainly focused on the categories or buckets in the draft priority list and how to incorporate climate resiliency and equity into the existing priorities. Luisa shared that these new funds would mostly not be competitive grants and that the funds could be available later in 2024 so readiness is key. The conversation concluded with a discussion about the potential establishment of a PFAS workgroup, which Jay will speak to later.

Amy noted that at the TRC meeting, Chris Sommers raised concern about the increased workload this would bring to the RMP and cautioned the RMP to consider its ability to expand staff capacity to meet this demand. Becky Sutton's initial reaction to the formation of a dedicated PFAS workgroup was hesitant as PFAS is already so integrated into the Emerging Contaminants workgroup. There is already a big PFAS project being funded by the EPA. The group decided that there was no need for a dedicated PFAS workgroup now, but this could be reconsidered in the future if EPA continues to keep a big funding bucket just for PFAS work. Jay noted that preparing for future EPA funds will continue to be a priority topic for the SC today. Tom shared that he had previously had reservations about forming the Microplastic Workgroup but was eventually convinced by burgeoning statewide legislation and funding.

The next agenda item was to review the 2024 workplan with the TRC, and then Jay provided an update on the RMP's watershed modeling. At the time, SFEI was nearing the conclusion of the hiring of a new watershed modeler. That has now happened and Matt Heberger will be starting next month. He will be introduced formally at the next TRC and SC meetings. Additionally, exploring external consultant assistance in alleviating the backlog in projects that have been delayed was also discussed.

Next, Amy provided an update on S&T monitoring activities, starting with an update on the 2023 efforts. Results from the labs are continuing to trickle in. SFEI had a freezer failure over the Thanksgiving holiday weekend that resulted in the 2023 S&T sturgeon tissue samples for Se analysis being compromised. After some discussion, the TRC decided SFEI should no longer analyze those samples. SFEI still has them. Amy had a conversation with Robin Stewart last week and she concurred that the samples more than likely volatilized Se when they thawed out. Tom questioned if the RMP had insurance on these samples and its other samples. Amy shared plans to purchase new freezers and ensure freezer integrity by having temperature alerts and door latches. Jay reiterated how seriously SFEI is taking this with \$10K-100K of samples of samples in house.

As for 2024 S&T efforts, the RMP is hoping to collect our second and final set of water samples this week for the wet season near-field effort. The sport fish and bird egg monitoring efforts are actively in the planning and contracting stages. The marine mammal pilot is continuing as planned.

Jay led a discussion on event-based monitoring. A meeting will be scheduled with a small group including Dave, Richard, Amy, and Jay to start developing plans and matrices for event based monitoring.

Adam Wong, SFEI's Data Services manager, provided an informatics update, starting with datasets that were finalized in 2023. Those included Se in North Bay water and clams, PFAS in archived sport fish, stormwater CECs, ethoxylated surfactants, and North Bay margins samples. Adam noted that some finalized data are not yet public due to ongoing work on manuscripts and reports. He addressed challenges in completing the QA review process especially for multi-year datasets but highlighted Miguel Mendez being brought in to assist with some of the QA/QC as a positive development and his hopes that this will help expedite some QA of the more routine data sets. He also touched on lab timeliness resulting in slower reporting. Adam discussed budget allocations for data management and noted that the team is reserving some funds from 2023 for implementing CEDEN 2.0 which has been delayed but expected to happen in 2024. The Steering Committee weighed in, with Karin North requesting an organization chart to familiarize the SC with the Data Management team. The SC thought this would be a good addition to the website. Tom requested an informatics update from the Data Management team at the next SC meeting as he would like to better understand the challenges they were facing. Amy clarified that some of the delays in releasing data to the public were due to ongoing manuscript preparations.

In the communications update, Jay thanked all for their contributions to the 2023 RMP Update, and we now have hard copies to distribute. Jay also shared a summary of attendee feedback from the Annual meeting, most of which was very positive. The discussion then shifted to planning for the 2024 Pulse with a focus on CECs. The group discussed updating the management section from 2013 and that the updated tiered riskbased framework should be a centerpiece of the 2024 Pulse. Attendees were encouraged to provide additional feedback and the item concluded with a general consensus that the planning was on track.

Amy presented the update on the status of Deliverables and Action Items. Future agenda items requested were updates on the new watershed modeler, interlab comparison results from 2023, and decisions about the possibility of a PFAS workgroup.

Action Item:

- Prepare an org chart of SFEI employees that are key players in the RMP for the MYP meeting (Amy Kleckner, August 1, 2024)

4. Information: RMP Financial Update for 2023 Quarter 4 (00:43:00)

Beth Ebner provided the financial update for Q4 of 2023. For 2023, 59% of funds have been expended on the year with 92% of invoiced RMP fees collected. SFEI will do another round of follow up for RMP invoice fees. There is a surplus of \$98k due to \$118,250 in SEP funds supporting part of task 45 Sediment Delivery to Marshes in C&N Bays. For 2022, 82% of funds have been expended on the year with 100% of invoiced RMP fees collected. There is a surplus of \$18k that has been reduced from \$138k in the previous quarter after funding for various projects was approved by the SC. For 2021, 80% of funds have been expended with 99% of invoiced fees collected. The final \$5,504 San Francisco Marina invoice to be paid in Jan 2024. For 2020, 94% of the budget has been expended and 100% of fees have been collected. For 2019, 95% of fees have been expended and all fees collected. For 2018, there is an outstanding Duke invoice outstanding, and the RMP in the process of a QC check to confirm that all associated deliverables have been received. We anticipate being able to unencumber the year next quarter. There are no requests for unencumberances this quarter. The undesignated funds balance has been increasing over the last few quarters and has not changed since the last meeting. The 2023 Q3 total interest at 3.59% was \$55,146. SFEI has not received the interest total for Q4 yet, but the rate has been reported at 4%. The S&T Set Aside fund has not changed since last quarter but will be updated for the next SC meeting. Beth introduced a funding request to complete the Integrated Watershed Modeling and Monitoring Strategy Special Study. The team requires \$10,800 to complete the project. Jay will discuss the request in further detail during agenda item 6.

Action Item:

- Include/highlight any unallocated MMP funds for the April meeting (Beth Birmingham, April 15, 2024)

5. Information: Review the Status of Incomplete Projects from 2023 and Prior Years (00:53:00)

Amy Kleckner of SFEI provided a review of the status of incomplete projects from 2019 to 2023. Amy noted that incomplete projects also included those that were delayed or overdue. At the December TRC meeting, the TRC decided to forgo the analysis of the sturgeon muscle plug samples collected in 2023 for the 2019 Selenium in sturgeon muscle plug project. The freezer failure in Nov 2023 compromised the samples. The last effort was conducted in 2017. The follow-up had been delayed due to

COVID and complications with CDFW. SFEI has results from 2015, 2016, and 2017. Amy clarified that North Bay Se sampling is on hold this year. Costs to collect sturgeon samples will be higher than when the RMP piggybacked on CDFW and the RMP will take the year to review the data from previous years and reevaluate how best to continue this effort going forward. Future Se tissue analysis will be conducted by USGS. Amy noted the RMP could run the 2023 thawed/compromised samples later if desired - they were not disposed of.

Incomplete projects from 2020 include a report on the North Bay margins sediment sampling. The draft report resulted in a request for re-analyses on some ancillary vs. target analytes. Data Services has been asked to prioritize this timeline. 98% of the budget has been used and it is expected to conclude in March 2024. The Selenium in North Bay clams and water 2019-2020 report draft is currently in review with an expected completion date of March 2024 and has used 100% of its budget.

Incomplete projects from 2021 include the S&T program review report that will be completed in 2024. The draft is currently under review, waiting on comments from Tom Grieb. 63% of the budget has been used. The QA Summary for 2021 S&T Activities report is waiting on ancillary data to be QA'd by Data Services. Miguel Mendez of SFEI has been recruited to help with this effort and it is expected to be completed by March 2024. The draft report on the Impact of Remediation Actions on San Leandro Bay Recovery from PCB Contamination has completed internal review with Stanford leading revisions and is expected after PCBWG review in February, with a final report in April. The Integrated Watershed Modeling and Monitoring Implementation Strategy report is in progress and expected to be completed in April 2024. The CECs in Urban Stormwater manuscript and management summary is waiting on revisions from one partner and will be distributed for external review by the end of January. The management summary will be delivered after manuscript submission. The Nutrients Light Attenuation and moored sensors technical memo is expected to be completed in summer 2024. Enhancements to the DMMO database are being made, with templates being expected by the end of January. One of the Data Services team will be out on leave for 1.5 months so completion is expected at the end of the summer.

For 2022, the QA Summary for 2022 S&T Activities is awaiting the analysis of bird egg samples and is expected to be completed by Summer 2024. The Stormwater Monitoring Strategy for CECs has been delayed as it requires insights from ongoing modeling and data science special studies that have been delayed due to Tan's departure. The timeline for the Ethoxylated Surfactants in Ambient Water, Margin Sediment, and Wastewater report has been revised due to delays from the analytical laboratory to analyze remaining sediment and wastewater samples with final laboratory

results expected by the end of spring 2024. The May 2024 completion date for the PCB In-Bay Contaminant Modeling (SLB) was approved by the PCBWG in June 2023. The DMMO Database enhancements have been delayed to December 2024 as it waits on the 2021 enhancements. Lester is working on the Advanced Data Analysis update for the STLS WY21 POC Recon Monitoring. The WB and BAMSC are interested in providing input but time is needed to coordinate that effort which should wrap up by March 2024. A draft has been sent out for external review of the CEC Modeling Exploration Report, comments are requested by January 31, 2024. Finally, for 2022, Jessie Lacey and Karen Thorne at USGS are working on the report on Sediment Delivery to Marshes in Central and North Bay and are expected to complete the report in September 2024.

For 2023, the spreadsheet of results for the Nontargeted Data Mining project is in process and we anticipate including a summary of core findings in the CECs strategy document. It should conclude in the summer of 2024. The PFAS in Archived Sport Fish Draft manuscript is being finalized for submission in March 2024. Samples are still being collected for the STLS WY21 POC Recon Monitoring project. The timeline for the STLS Regional Model Development report is currently under revision. Reports on Suspended Sediment in Lower South Bay and Sediment Delivery to Marshes in Central and North Bays are in progress and expected to conclude in Spring and Fall of 2024 respectively. The Sediment Flux to Richmond Bridge data release has been delayed to WY2025 as part of a larger project with the possibility of increased funding from other groups per David Hart of USGS. The PCBs in Sediment and Fish SS/RC report is in progress and expected to conclude in Fall 2024 with fish data coming in slowly from AXYS.

For incomplete SEP projects, the North Bay Selenium Clam and Water draft report is in review and the data release is complete. Additional funding from NSF increased the scope of the QACs in Bay Area Wastewater report. The ECWG agreed to the suggested revised due dates of August 2024 for the deliverables so that the additional data can be included. The MTC Bay Area Land Use Update is still waiting for MTC to release data. Lester McKee has replaced Tan Zi as the lead author for the Integrated Watershed-Bay Modeling Strategy but the draft report is in progress and is expected to be completed in Summer 2024. The Regional Watershed Spreadsheet Model update is waiting on the land use update (Winter 2023). Jessie Lacey and Karen Thorne have presented the Sediment Deposition on South Bay Marsh (Whales Tail) draft report to the USGS to review which should be completed in January. Reports on PFAS and Chlorinated Paraffins in Bay Sediment and High Speed Mapping of Water Quality Parameters on the Eastern Shoal of SSFB are ongoing and expected to be completed in Spring and Summer of 2025 respectively. The technical report for the San Francisco Bay Sediment Transport and Fate Modeling is ongoing and is expected to complete in Fall 2025.

Revisions are being made to the PFAS in Archived Sport Fish manuscript and is expected to be completed in April 2024. The Analysis and Reporting of NTA Sediment Data Manuscript & Fact Sheet is also in preparation for April 2024. The Data Release and Technical Report for Investigating HABs in San Francisco Bay is ongoing and expected to be completed in Summer 2026. Finally, the Temporal Variability in Sediment Delivery to a North and Central San Francisco Bay Salt Marsh data release and final report are ongoing and expected to be completed by Spring 2025.

The Committee expressed approval of the timelines presented. Tom expressed doubt that the DMMO database will be updated. He questioned the value of these updates to the RMP and inquired as to why the RMP was funding this. In the future, the Committee advised Amy to not include projects that are not completed but on target to finish on schedule. The total budget (and changes) can be included, along with if there are any funding sources feeding into the project other than the RMP funds. Ongoing projects can be in an abbreviated list at the end.

Action Items:

- Develop a timeline/plan for 2025 Se to present to the TRC and SC (Amy Kleckner, March 15, 2024)
- Offline conversation to include Tom, Tony, Luisa and Caitlyn S., re: next steps in moving along MTC land use data layer update. (Amy Kleckner, March 15, 2024)
- Talk to Cristina Grosso re: DMMO database enhancements (Amy Kleckner, April 1, 2024)

6. Decision: Funding Request to Complete Integrated Watershed Modeling and Monitoring Strategy Special Study (02:01:40)

Jay Davis introduced the Integrated Watershed Modeling and Monitoring Strategy special study. This project was originally funded in 2021 at \$50K and led by Lester McKee. The RMP is making a request of \$10.8K in additional funds to get this report out for review and finalized. This work is feeding into the Stormwater CECs monitoring approach, developing a modeling plan along the way.

Jay showed the proposed timeline and budget from 2021, following with the revised timeline and budget, with a draft strategy internal review in February 2024, with a workgroup review later. A final strategy will be published in April 2024, followed by stakeholder outreach and presentations. The additional funds required for this total \$10,800.

This is not technically a request for funding because the funding request had already been approved. Amy realized that she had included the \$180k from the undesignated reserve for the remote sampler as revenue in the 2024 budget but forgot to include it as an expense. When the 2024 budget was drafted there was a large surplus. Amy then corrected for the assumed surplus by reducing the S&T reserve fund withdrawal from the forecasted \$650k to \$500k and added the model maintenance project to S&T. This caused the \$180k for the remote samplers to be inadvertently budgeted to S&T. Amy suggested that the most straightforward way to correct this error would be to increase the S&T reserve withdrawal for 2024. Instead of \$500k as it is showing now, the S&T set aside fund withdrawal would be increased to \$680k for 2024.

Decision:

- Eric Dunlavey motioned to approve the request for extra funds for the Integrated Watershed Modeling and Monitoring Strategy special study. Amanda Roa seconded the motion. The motion was carried by all present members.

Action Items:

- Alert Beth to increase the funding for this project using unallocated reserve funds or surplus from that year (Amy Kleckner, February 22, 2024)
- Update MYP and AWP to include the increased withdrawal from the S&T Set Aside. (Amy Kleckner, February 15, 2024)

7. Decision: Approve Final Multi Year Plan and Annual Workplan and Budget for 2024 (02:17:05)

Amy requested approval of the 2024 Multi-Year Plan. A draft had been shared last November and feedback from the SC and TRC has been received and incorporated. Latest revisions to the MYP include David Senn's edits to the Nutrient text page and incorporating comments received via email. Proposed revisions and edits for the MYP include updates to the S&T tables and figures to more accurately reflect the set aside funds used in 2024. Proposed revisions and edits for the Annual Workplan include updated revenues to more accurately reflect the set aside funds used in the 2024 workplan and updated expenses to include the remote sampler.

Decision:

- Karin North motioned to approve the final Multi-Year Plan and Annual Workplan and Budget for 2024 with the suggested revisions. Eric Dunlavey seconded the motion. The motion was carried by all present members.

8. Information/Decision: Review Current SEP Proposals List (02:19:15)

Jay began this item by asking the Committee to reaffirm the current SEP list, explaining to the Committee that it is useful for Tom to ensure the list is current and updated. The list is current as it stands.

Decision:

- Karin North motioned to approve the current SEP Proposal List. Adam Olivieri seconded the motion. The motion was carried by all present members.

9. Break

10. Discussion: EPA Program Office Update (02:24:30) (03:32:45)

Luisa Valiela presented the annual program priority list for the expanded San Francisco Bay Program, included as part of the National Defense Authorization Act. The Act served as a funding mechanism, leading to the establishment of an authorized program called the San Francisco Bay Program. This moves the program from a strictly competitive grant program to a funding office like the ones established in the Great Lakes and Chesapeake Bay. Language in the legislation included direction to EPA to create an Annual Priority list which identifies needed projects and studies. In creating the list, EPA should consider recommendations from the SFEP, SF Water Board, SFBRA, and other stakeholders. Luisa outlined the difference between appropriation and authorization of the program bill. Luisa highlighted the significant increase in funding, from approximately \$5 million per year to the new authorized level of \$54 million. Luisa presented the draft priority list, emphasizing that these were not ranked priorities but rather program areas intended to reflect collaborative efforts for Estuary restoration. Feedback was sought on the proposed priorities, with adjustments already made based on previous input, such as specifying "habitat, eelgrass, and oyster reef restoration" under the "Subtitle A" category. Luisa welcomed ongoing feedback and suggestions for additional venues or stakeholders to engage with, recognizing the importance of refining the list collaboratively. Luisa concluded with an overview of the timeline for finalizing the list, targeting the end of winter or early spring, and highlighted the need for quick action to allocate funds incrementally under continuing resolutions. This will allow grants to be committed to recipients addressing these priorities in Summer 2024. The challenges of moving away from a competitive grant program and

developing new funding mechanisms were acknowledged, with a focus on figuring out the logistics with the help of the department, headquarters, and legal experts.

However, uncertainties regarding the final federal budget and temporary funding agreements pose challenges, including needing an exception to avoid another competition. Luisa noted the only way to avoid running a competition is to request an exception or exemption. Discussion also delved into the match requirement (75% EPA 25% Organization, which is a reduction in the match expectation) and the implications of multi-year funding for various projects, raising questions about readiness to handle potential funding influxes. Luisa clarified that funds need to be spent by Q2 of the next fiscal year.

The discussion resumed later with a focus on preparing for potential funding increases and ensuring effective allocation of resources. Jay emphasized the need for strategic planning and institutional readiness to manage increased funding effectively, with suggestions for further discussion and planning at upcoming workgroup meetings. Karin and Jay deliberated on the feasibility of scaling up quickly in response to potential increases in funding, highlighting the need for careful planning and coordination. Workgroups will be tasked with thinking how to make the best use of this potential influx of funds. Overall, the discussion underscored the complexities of managing funding changes and the importance of proactive planning and collaboration to maximize the impact of available resources.

11. Information: Science Update - In-Bay Modeling of Sediment and Contaminants (02:44:45)

The Science Update on In-Bay Modeling of Sediment and Contaminants, led by Craig Jones and Sam McWilliams, provided key insights into the progress and objectives of the project. The PCB Workgroup's multi-year workplan, with a significant funding boost from the EPA and a SEP, focuses on informing the PCB TMDL process. The modeling team, comprising Integral Consulting and SFEI, discussed their aim to develop a whole-Bay model for PCBs, sediment, and CECs. A draft report on in-Bay modeling is now under review. Sam McWilliams from Integral provided a progress overview, detailing refinements made to the watershed dynamic model to evaluate sediment loads into nine distinct subregions of the San Leandro Bay watershed. He highlighted the refinement of the model to a three-meter resolution for San Leandro Bay, focusing on sediment parameters and model evaluation.

Sam provided an overview of sediment transport modeling, which was the central focus of the work. Craig Jones emphasized the significance of using modeling as a tool

to address management questions, particularly concerning the recovery rate of segments and contaminated sites within the Bay. He underscored the importance of accurate boundary conditions and ongoing collaborative efforts to determine the most suitable methods for defining them. The team aims to use the modeling as a sandbox to explore management decisions, focusing on long-term sediment bed concentrations and the potential impact of management actions on PCB accumulation in the food chain.

Craig also highlighted ongoing work with the Sediment Workgroup to analyze sediment sources and loadings into the Bay, acknowledging the input from experts like Earl Hayter (science advisor for the PCBWG). The presentation moved on to modeling objectives, stressing the importance of developing models aligned with management goals and avoiding unnecessary complexity. The strategic approach aims to inform future monitoring strategies and integrate modeling as one tool among others to address management questions effectively.

Sam then delved into the progress overview, detailing refinements made to the watershed dynamic model to evaluate sediment loads into nine distinct subregions of the San Leandro Bay watershed. These refinements included improvements in grid resolution to capture intertidal regions and marshes more accurately. The model incorporates data on sediment loads from various input points, focusing on silt fractions associated with PCBs due to their dominance in PCB transport.

Sam focused on the northern and northeastern sections of San Leandro Bay, highlighting the distribution of sediment and its correlation with factors like PCB concentration and sediment input from different sources. Sam acknowledged the need for further quantitative analysis but emphasized the ongoing efforts to understand sediment deposition patterns. The presentation illustrated how sediment from different sources, such as San Leandro Creek and Peralta Creek, is distributed throughout San Leandro Bay, impacting areas like Arrowhead Marsh and the airport channel. Craig stated that the model did not account for background sediment at the moment, but will be included later. Jay noted the area by the airport was thought to be an isolated backwater, but may not be the reference area it was originally assumed to be.

Sam discussed using sediment data to estimate PCB transport, suggesting a method to weight tributary inputs based on PCB concentration. He also highlighted temporal trends in sediment deposition, showing how deposition patterns evolve over time and with different input events. Furthermore, the findings have implications for management decisions, including understanding recovery rates after removing sediment sources and sensitivity testing on sediment parameters. Sam addressed questions regarding the

model's ability to handle sediment layers and differentiation between sediment types, indicating ongoing efforts to incorporate such complexities into the model.

Discussion points included sediment deposition patterns, distribution comparisons, and next steps. Xavier asked how this would affect dredgers and sampling requirements for dredging, while Tom raised concerns about funding and project feasibility.

12. Break

13. Discussion: Communications (04:04:45)

Jay announced that there are copies of the RMP Update available. The discussion then shifted to the 2024 Pulse, where CECs (Contaminants of Emerging Concern) will be highlighted, similar to the 2013 edition. Work will begin on an updated guide to CECs in the Bay in early 2024, with additional text added to address Jay's suggestions for improvements. The TRC suggested the inclusion of a sidebar on challenges, followed by risk profiles. Tom volunteered someone at the Water Board to provide some input on the draft. Moreover, there is consideration for dedicating more than one session of the Annual Meeting to CECs, potentially tying it in with Pulse discussions.

14. Discussion: Status of RMP Deliverables and Action Items (04:16:30)

Amy briefly reviewed the status of RMP deliverables and action items, which can be found in further detail in Agenda Item 5.

15. Discussion: Plan Agenda Items for Future Meetings (04:22:00)

Jay and Amy will work with Tom and Karin to plan agenda items for the upcoming SC meeting on April 15, 2024. Items on the Data Services Report, Watershed Modeler update, new Selenium plan, updated S&T plan, and potential EPA funding will be on the docket. Amy noted the April meeting could be shorter if possible, as the Emerging Contaminant Workgroup Meetings will be held on April 16 & 17.

16. Discussion: Plus/Delta (04:24:00)

The group commended the science work being done as well as Amy's work updating the MYP and Annual Workplan. The SC is looking forward to the workgroup season.

ADJOURN



RMP

REGIONAL MONITORING
PROGRAM FOR WATER QUALITY
IN SAN FRANCISCO BAY

sfei.org/rmp

S&T Monitoring Update (20 minutes)

Status & Trends 2024

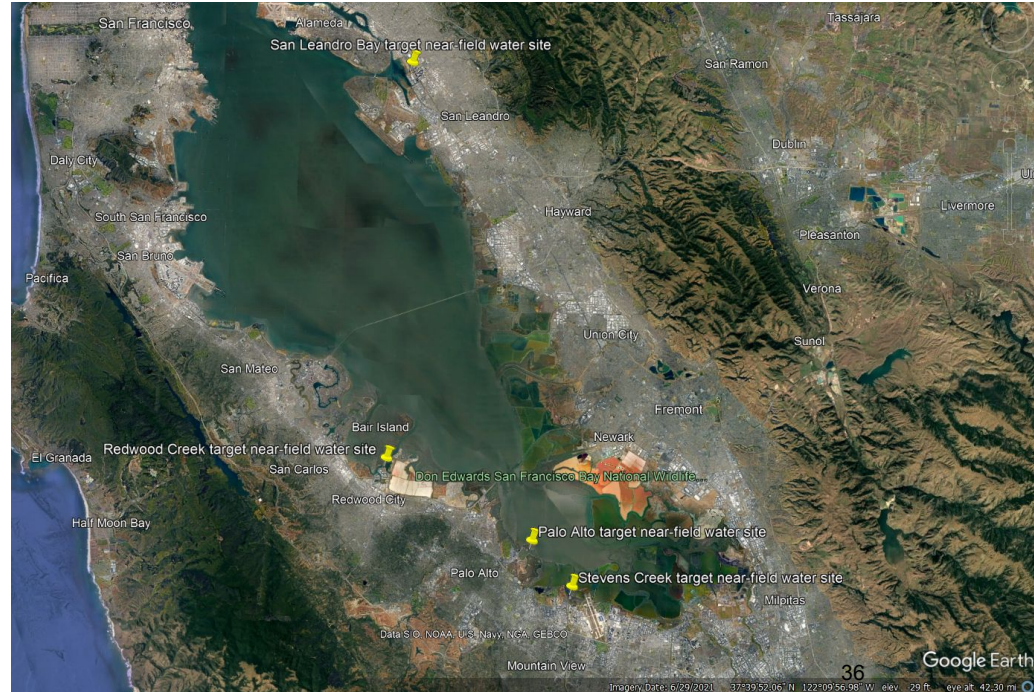
- Toxic Contaminants in Water – Wet Season
- Toxic Contaminants in Cormorant Egg Tissue
- Toxic Contaminants in Sport Fish
- Toxic Contaminants in Harbor Seals

Timing of Activities

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet season water (SFEI)											dry season comp.	
Bird Eggs (USGS)												
Sport Fish (ICF)												
Marine Mammals (MMC)												

Wet Weather Sampling - Near-field and Bay water

- ★ WY2024 S&T Near-Field Water Sampling and Analysis Plan - SFEI Contribution No. 1154
- ★ Sample following 2 storm events during the wet season and once in the dry season.
- ★ 4 nearfield stations and 4 Bay stations
- ★ PFAS, TOP, bisphenols, OPEs, stormwater CECs
- ★ Storm 1 sampled nearfield 12/21/23 and in Bay 1/11/24
- ★ Storm 2 sampled nearfield 1/23/24 and in Bay 2/1/24
- ★ All samples have been shipped to the labs for analysis.
- ★ Dry season samples will be collected this summer.



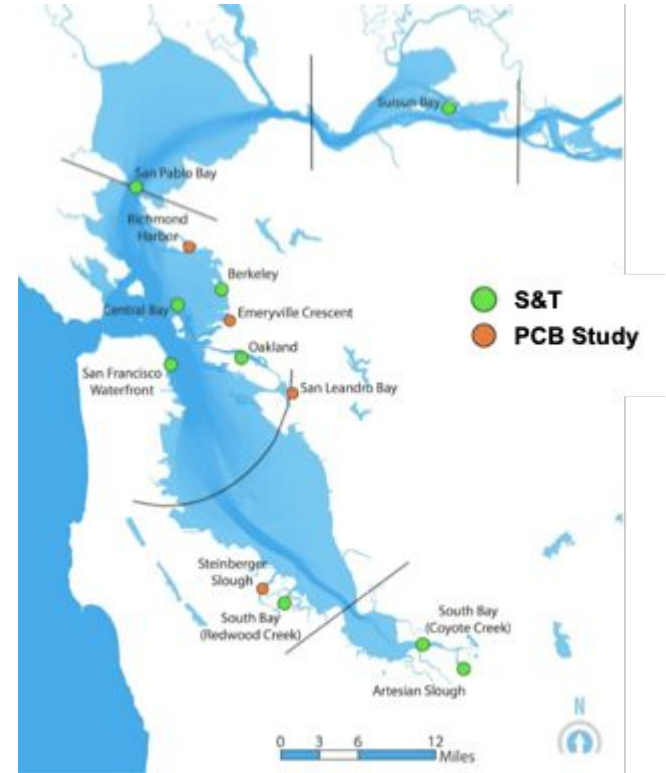
Toxic Contaminants in Bird Eggs

- ★ Double-crested Cormorants only
- ★ Samples will be collected by staff at the USGS-WERC - contract nearing finalization.
- ★ Hg and Se (MLML)
- ★ PFAS, PCBs, PBDEs and legacy pesticides (SGS-AXYS)
- ★ Change from 2022: MLML will homogenize, sub-sample, composite and distribute samples in April 2025.
- ★ Anticipate results of analyses to be reported to SFEI Summer 2025.



Sport Fish

- ★ Sport Fish Strategy Team met on Dec 18
- ★ Key species: striped bass, shiner surfperch, white croaker, halibut
- ★ No white sturgeon this year
- ★ Fish will be collected by ICF
- ★ Hg and Se (MLML)
- ★ PFAS, PCBs, PBDEs and legacy pesticides (SGS-AXYS)
- ★ Expanded PFAS monitoring this round
- ★ Include PCB PMU sampling
- ★ Non-target analysis
- ★ Expanded archiving for CECs and microplastics
- ★ Coordinating with SWAMP Realignment



Toxic Contaminants in Marine Mammals



The Marine
Mammal Center®

- ★ 2024 is year two of a two year special study
- ★ Goal: 10 harbor seals and 10 harbor porpoises
- ★ Animals recovered within the Bay are priority
- ★ PFAS analysis of liver and serum - SGS AXYS
- ★ Non target analysis (NTA) of liver and blubber - Crimmins lab (AEACS, Clarkson Univ.)
- ★ NTA of blubber - Hoh lab (SDSU)
- ★ Marine Mammal Center is collecting the samples
- ★ Deliverable: S&T study design recommendation
 - June 2025.



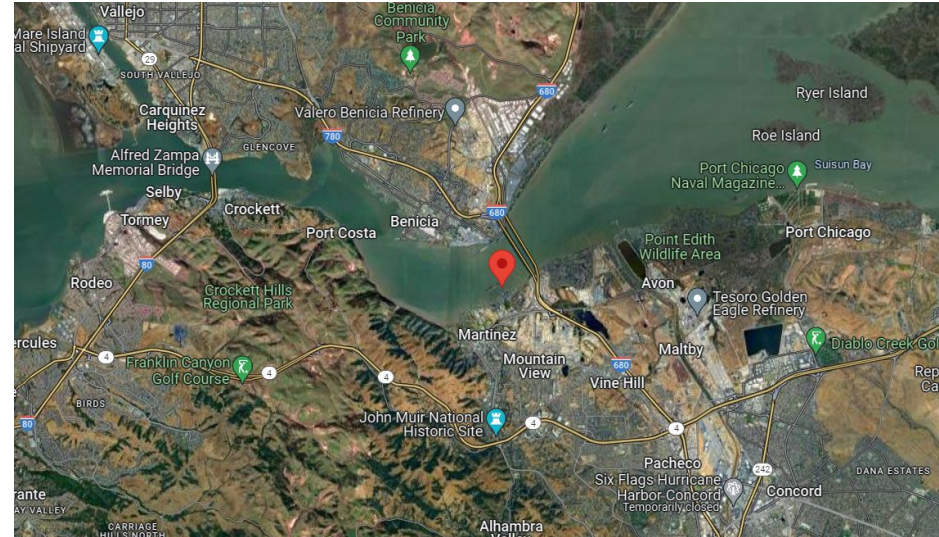
In 2023:

- ❖ Liver and Blubber samples from 3 harbor seals
- ❖ Serum samples from 6 harbor seals
- ❖ Zero harbor porpoises.



Selenium Impacts on Aquatic Life

- ★ Collect sturgeon muscle tissue samples from a minimum of 8 adults using non lethal sampling techniques
 - Mar/Apr 2024
- ★ Collect splittail filet from a minimum of 12 adults and egg-ovary tissue samples from a minimum of 6 fish
 - Nov/Dec 2024
- ★ Collect monthly water samples within 500 feet of Discharge Point 001
 - Starting March 27, 2024



Selenium Impacts on Aquatic Life

- ★ USGS to analyze fish tissue samples for total selenium in Summer 2024
- ★ Brooks Analytical Labs will analyze the water samples for selenite (Se(IV)), selenate (Se (VI)), and total selenium after every 6 sampling events
- ★ Compare collected data to the muscle tissue and water column TMDL targets in Basin Plan Table 7.2.4-1
- ★ Evaluate splittail egg-ovary data with literature values.



RMP

REGIONAL MONITORING
PROGRAM FOR WATER QUALITY
IN SAN FRANCISCO BAY

sfei.org/rmp

Status of RMP Deliverables and Action Items (10 minutes)

Deliverables - completed!

- 😊 2021 Cu & CN rolling averages
- 😊 RMP Participation Letters/Reports to BACWA and WSPA
- 😊 2023 Honoraria payments and gifts to science advisors
- 😊 S&T WY24 wet season water sampling
- 😊 Updates to the sample archive database
- 😊 Technical Memo: Development of Semi-Empirical Light Extinction Estimates for Biogeochemical Modeling Applications in SFB. SFEI Cont. #1177
- 😊 2024 RMP QAPP Update SFEI Cont. #1169
- 😊 CEC Modeling Exploration Report SFEI Cont. #XXXX
- 😊 Stormwater CECs manuscript submitted!

Deliverables – Overdue...

- MTC Bay area land use update (SEP)
- STLS regional model development
- Stormwater monitoring strategy for CEC's
- 2020 S&T design report
- RWSM update and technical report

Deliverables – delayed

- STLS WY21 POC Recon. Monit. - Update data for the Advanced Data Analysis (ADA)
- NB Se in clams and water report
- NTA Sediment Data Manuscript and Fact Sheet
- PFAS in Archived Sport Fish Manuscript

Deliverables – due before next TRC meeting (6/13)

- Impact of Remediation Actions on San Leandro Bay Recovery from PCB Contamination technical report
- QACs in Bay area wastewater
- Final Margins Report
- 2021 QA Summary Report for S&T Activities
- NB Se clam and water data report (2019-2020)
- 2020 S&T Design Report
- Sediment Deposition on SB Marsh (Whales Tail) report

Bay RMP Deliverables Stoplight Report_new

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
1	142758 RMP SEP	20. MTC Bay Area Land Use Update	Collect and transform data relevant to RMP Stakeholders	Tony Hale	04/30/23	03/31/21	1083	🚩	🚩	3	🔴	3/18/24 - Tony has asked Melissa and Pete to develop a cost estimate for SFEI to update and maintain the data layer on a 2 year interval. 10/13/23 - SFEI met with MTC. MTC will be releasing the dataset with our (SFEI) enhancements/fixes per Kearey dataset would be published to data.ca.gov soon "a few weeks" 9/29/23 - Tony has added Tom M. and Amy K. to email communications with MTC. Still no specific release date.
2	Bay RMP (2023)	Special Study: STLS Regional Model Development	Model data collation and preparation	Jay Davis	08/30/23			🚩	🚩		🔴	3/18/24 - Matt H. is being onboarded to assume this work. 10/25/23 - Tan's departure delayed deliverables associated with this project. Revised timeline in development.
3	Bay RMP (2022)	Special Study: Stormwater monitoring strategy for CEC's	Final strategy document	Kelly Moran	09/01/23			🚩	🚩		🔴	9/6/23 - Tan's departure delayed deliverables that went into the development of this strategy document. Requires insights from ongoing modeling and data science special studies. Pending additional remote sampler design to improve functionality for other CECs. Remote sampler had some technical challenges and we are looking to our advisors for consultation on priorities and next steps. Revised timeline depends on hiring process.
4	Bay RMP (2023)	Special Study: STLS Regional Model Development	Control measures impact estimation	Jay Davis	10/30/23			🚩	🚩		🔴	3/18/24 - Matt H. is being onboarded to assume this work. 10/25/23 - Tan's departure delayed deliverables associated with this project. Revised timeline in development.
5	Bay RMP	2020 S&T Design Report	Final Report	Melissa Foley	11/01/23	06/20/23	272	🚩	🚩	?	🔴	3/18/24 - Waiting on Jays final review before finalization. 10/11/23 - Internal SFEI review comments due by 10/18. 7/18/23 - Waiting on comments from Tom Grieb. Moving forward incorporating comments from others. Revised timeline to completion is 9/30/23.
6	Bay RMP (2023)	Special Study: STLS Regional Model Development	Final modeling report and data sharing portal	Jay Davis	12/30/23			🚩	🚩		🔴	3/18/24 - Matt H. is being onboarded to assume this work. 10/25/23 - Tan's departure delayed deliverables associated with this project. Revised timeline in development.
7	RMP SEP	24. Regional Watershed Spreadsheet Model	Updated model and Final Technical Report	Alicia Gilbreath	12/31/23			🚩	🚩		🔴	3/18/24 - Still waiting on land use update. Jan. 2023 - Waiting for land use update SEP issue date 6/5/2021.
8	Bay RMP (2023)	Special Study: Ground work CEC Stormwater/ Stormwater monitoring for CECs strategy	Final Brief Report as a presentation to SST and an appendix to Stormwater CEC approach	Kelly Moran	12/31/23			🚩	🚩		🔴	1/9/24 -Delayed until completion of the Stormwater CECs approach final strategy document (SS 2022).
9	Bay RMP (2023)	Special Study: Suspended Sediment in LSB-Year 2	Publicly available 15-minute SSC time series from eight stations in South Bay and Lower South Bay	Melissa Foley	03/30/24			🚩	🚩		🟡	3/18/24 - Lilia is the lead on this.
10	RMP SEP	30. Analysis and Reporting of NTA Sediment Data	Manuscript	Ezra Miller	03/31/24	12/31/23		🚩	🚩	1	🟡	3/18/24 - Work on this has slowed, prioritized behind CEC strategy revisions. 1/8/24 - In prep and distributing to analytical partners for review. Continuation of 3018-036.
11	RMP SEP	30. Analysis and Reporting of NTA Sediment Data	Fact Sheet	Ezra Miller	03/31/24	12/31/23		🚩	🚩	1	🟡	3/18/24 - Work on this has slowed, prioritized behind CEC strategy revisions. 1/8/24 - In prep and distributing to analytical partners for review.
12	Bay RMP (2021)	21. Impact of Remediation Actions on San Leandro Bay Recovery from PCB Contamination	Task 5: Final technical report	Diana Lin	03/31/24	12/31/22	443	🚩	🚩	3	🟡	3/18/24 - Currently under review with PCBWG, comments requested by 3/23, aiming for finalization by 4/15. 1/11/24 - Internal review is complete, Stanford is leading the revisions. PCBWG to review in Feb and aiming for final report in Mar. 2024. 10/24/23 - Undergoing internal review, next to be reviewed the PCBWG. 8/16/23 - Partners at Stanford still working on the draft. Estimate completion by end of 2023.
13	Bay RMP (2022)	Special Study: CEC in Urban Stormwater Year 4	Management summary	Rebecca Sutton	03/31/24	09/30/23	170	🚩	🚩	1	🟡	3/18/24 - Manuscript submitted on 3/5. 1/9/24 - Expect after manuscript is submitted, manuscript draft expected to be distributed for external review by end of Jan. 9/6/23 - Draft manuscript is expected in October. Final manuscript expected to be submitted for publication by the end of the year.
14	Bay RMP (2024)	5. Communications	Q1 RMP eUpdate	Amy Kleckner	03/31/24			🚩	🚩		🟡	
15	Bay RMP (2024)	5. Communications	Updates to RMP and NMS websites - Q1	Martin Trinh	03/31/24			🚩	🚩		🟡	
16	RMP SEP	15. North Bay Selenium Clam and Water Data Management and Reporting	Report	Jay Davis	04/01/24	12/01/21	838	🚩	🚩	7	🟡	3/18/24 - Draft has been sent to SeWG for review, comments due 3/22. 1/8/2024 - Draft under review 10/24/23 - Internal SFEI review underway. Estimate completion by end of year. 8/16/23 - Jay is reviewing draft report from Melissa. Estimated completion by end of September.
17	RMP SEP	25. Sediment Deposition on South Bay Marsh (Whales Tail)	Final Report	Melissa Foley	04/01/24			🚩	🚩		🟡	3/18/24 - Submission is planned for this month. 10/23/23 - Work is being done by Lacy and Thorne (USGS) Draft report estimated to be completed by Feb 2024.
18	Bay RMP (2020)	41. Selenium in North Bay clams and water	Technical Report	Melissa Foley	04/01/24	06/30/21	992	🚩	🚩	9	🟡	3/18/24 - Draft under review by SeWG, comments due 3/22. 1/8/24 - Draft under review 10/11/23 - Internal SFEI review comments due 10/18. 9/6/23 - Draft still in review 7/18/23 - Jay has a draft. A 2019-2022 report will need additional funding (2024?) to complete. Want to include USGS data but still waiting on USGS to post the data, w/ no timeline for that.
19	Bay RMP (2024)	G. 2024 Bird Egg Sampling	Complete contracts	Amy Kleckner	04/01/24	01/31/24	47	🚩	🚩	1	🟡	3/18/24 - Nearly complete, delayed as we work out details to improve past issues with processing and shipping.
20	Bay RMP (2023)	Special Study: Sediment Delivery to Marshes in C&N Bays: project expansion	Data release: Bay shallows and marsh-top SSC data (PCMSC)	Melissa Foley	04/15/24			🚩	🚩	1	🟡	Jessie Lacy and Karen Thorne (USGS) conducting this work
21	Bay RMP (2023)	Special Study: Sediment Delivery to Marshes in C&N Bays: project expansion	Data release: deposition, accretion, and vegetation characteristics (WEREC)	Melissa Foley	04/15/24			🚩	🚩	1	🟡	Jessie Lacy and Karen Thorne (USGS) conducting this work
22	Bay RMP (2024)	1. Program Management	2024 Q1 RMP Financial Report	Beth Ebner	04/15/24			🚩	🚩		🟡	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
23	Bay RMP (2024)	1. Program Management	Update Deltex Program Plans for Open RMP Years	Beth Ebner	04/25/24			☐	☐		●	
24	Bay RMP (2024)	1. Program Management	SC Meeting Stoplight Report	Amy Kleckner	04/25/24			☐	☐		●	
25	Bay RMP (2024)	2. Governance	April SC Meeting	Amy Kleckner	04/28/24			☐	☐		●	
26	Bay RMP (2022)	Special Study: STLS WY21 POC Recon Monitoring	Update data for the Advanced Data Analysis (ADA)	Alicia Gilbreath	04/30/24	06/30/23	262	■	■	3	●	3/18/24 - Waiting on response/ input from BAMSC. 1/9/24 - Lester to follow up with Lisa Sabin to discuss next steps. 12/5/23 - WB and BAMSC are interested in providing input but need more time to coordinate. 7/18/23 - In Dec 2021 it was decided to forgo the report and instead update data for the ADA.
27	Bay RMP (2023)	Ethoxylated surfactants in ambient water, margin sediment, wastewater, Part 2 (year 2of 2)	Task 3. Complete laboratory analysis of samples	Diana Lin	04/30/24	01/30/24	48	■	☐		●	1/11/24 - Per 2023 discussions with Lee F. (Duke) the new deadline for lab analysis has been defined as April 2024. 5/29/23 - Duke University will be conducting analysis.
28	Bay RMP (2023)	Ethoxylated surfactants in ambient water, margin sediment, wastewater, Part 2 (year 2of 2)	Task 4. QA/QC and data management	Diana Lin	04/30/24			☐	☐		●	
29	Bay RMP (2023)	Nontargeted Data Mining	Task 3. Presentation to ECWG on additional targets	Rebecca Sutton	04/30/24			☐	☐		●	
30	Bay RMP (2023)	Special Study: Suspended Sediment in LSB-Year 2	Report detailing data collection, turbidity-to-SSC calibrations, and limited, descriptive interpretation	Melissa Foley	04/30/24			☐	☐		●	
31	Bay RMP (2024)	3. QA and Data Services	2024 QAPP Update	Don Yee	04/30/24			☐	☐		●	
32	Bay RMP (2024)	R. WDM Model Maintenance	Proposed maintenance tasks list and budget sent to COW and SC for approval	Pedro Avellaneda	04/30/24			☐	☐		●	Include Lester for these deliverables. Products are minimal 1-2 pages.
33	Bay RMP (2024)	51. PFAS in Bay Water using the TOP Assay	Presentation of preliminary findings at ECWG	Rebecca Sutton	04/30/24			☐	☐		●	
34	Bay RMP (2024)	30. Integrated Monitoring & Modeling for PCBs and Hg Phase 1	WY2024 samples collected	Alicia Gilbreath	04/30/24			☐	☐		●	
35	Bay RMP (2022)	Special Study: PCB In-Bay contaminant modeling (SLB)	Draft Report	Jay Davis	05/01/24	05/01/22	687	☐	■		●	8/16/23 - Draft report to be completed by May 2024. Revised timeline approved by the PCBWG in June 2023. 5/29/23 - A revised deliverable timeline will be developed under the guidance of the PCBWG at the spring meeting on 6/6/23. Work in 2022 focused on developing a proposal and workplan for in-Bay modeling as part of the WQIF project. Actual modeling work has begun in Q1 of 2023.
36	Bay RMP (2022)	Special Study: PCB In-Bay contaminant modeling (SLB)	Final report	Jay Davis	05/01/24			☐	☐		●	8/16/23 - Draft report to be completed by May 2024. Revised timeline approved by the PCBWG in June 2023.
37	Bay RMP (2024)	G. 2024 Bird Egg Sampling	Sampling and Analysis Plan	Amy Kleckner	05/01/24	02/28/24	19	■	■	1	●	3/18/24 - Waiting on finalization of shipping and processing plans.
38	Bay RMP (2024)	L. 2024 Sport Fish Monitoring	Complete Sampling and Analysis Plan	Jay Davis	05/01/24			☐	☐		●	
39	Bay RMP (2023)	Special Study: Sediment Delivery to Marshes in C&N Bays: project expansion	Final Presentation to RMP Sediment Workgroup	Melissa Foley	05/30/24			■	☐	1	●	Jessie Lacy and Karen Thorne (USGS) conducting this work
40	Bay RMP (2024)	30. Integrated Monitoring & Modeling for PCBs and Hg Phase 1	Presentation to SPLWG	Alicia Gilbreath	05/30/24			☐	☐		●	
41	Bay RMP (2024)	31. Tidal Area Remote Sampler Pilot - Yr 2	Update presentation at SPLWG on the results to date	Don Yee	05/30/24			☐	☐		●	
42	Emerging Contaminants	RMP SEP	19. Quaternary Ammonium Compounds (QACs) in Bay Area Wastewater	Diana Lin	05/31/24	05/31/22		☐	☐	1	●	Additional funding from NSF increased the scope of the project. The ECWG agreed to the suggested revised due dates for the deliverables so they can include the additional data.
43	Bay RMP (2021)	F. 2021 Bird Egg Data Mgmt	Processing and upload bird egg data	Adam Wong	05/31/24	10/31/22	504	■	☐	3	●	3/18/24 - In DS queue for formatting and QA review. 1/9/24 - All samples have been delivered to the labs. AXYS: PFAS data has been reported. PCBs and PBDEs expected end of Jan., pesticides? Hg and Se results from MLML are with SFEI DS. 11/30/23 - Samples shipped to USGS. FedEx delays caused samples to arrive at USGS completely thawed. USGS will ship to the analytical partners in Dec. Dry ice shortage causing delay. 10/23/23 - USGS received draft permit from APHIS. Checking in with AXYS to make sure it has everything needed to get samples shipped back to USGS. Subsamples will then be shipped to other labs.
44	Bay RMP (2024)	2. Governance	ECWG Meeting	Rebecca Sutton	05/31/24			☐	☐		●	
45	Bay RMP (2024)	2. Governance	Microplastics WG Meeting	Diana Lin	05/31/24			☐	☐		●	
46	Bay RMP (2024)	2. Governance	SPLWG Meeting	Alicia Gilbreath	05/31/24			☐	☐		●	
47	Bay RMP (2024)	2. Governance	Sediment WG Meeting	Scott Dusterhoff	05/31/24			☐	☐		●	
48	Bay RMP (2024)	R. WDM Model Maintenance	Present proposed update to the SPLWG	Pedro Avellaneda	05/31/24			☐	☐		●	
49	Bay RMP (2024)	50. Stormwater CECS Monitoring & Modeling 2024	Presentation to ECWG/SPLWG	Rebecca Sutton	05/31/24			☐	☐		●	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
50	RMP SEP	23. Integrated Watershed Bay Modeling Strategy and Pilot Implementation	Report	Lester McKee	06/01/24	12/31/23	78	☐	☐	0	●	8/16/23 - Draft report to be completed by June 2024. Lester McKee will replace Tan Zi as lead author. Revised timeline discussed with Tom Mumley.
51	RMP SEP	29. PFAS in Archived Sport Fish Communications Supplement	Manuscript	Miguel Mendez	06/01/24	12/31/23		☐	■	2	●	3/18/24 - Prioritized behind work on ECWG strategy and proposals and QACs report. Submission delayed until summer 2024. 1/8/24 - Draft under review 10/24/23 - Draft manuscript expected by early Nov. Submission for publication by the end of the year. 9/7/23 - Draft manuscript estimated to be out for review in mid October. Poster presentation at SETAC 4/30-5/4
52	Bay RMP (2020)	6. Status and Trends Monitoring	Final Margins report	Don Yee	06/01/24	12/31/21	808	☐	■	7	●	3/18/24 - DS continuing work on reanalysis. Due date delayed. 1/11/24 - Data services will prioritize the reanalysis. 9/6/23 - Re-analyses on some ancillary vs target analytes to be done. Limited staff capacity to do the statistical reanalysis requested. 8/16/23 - Sent to Richard L. and Luisa V. for feedback.
53	Bay RMP (2021)	3. QA and Data Services	QA Summary Report for 2021 S&T Activities	Don Yee	06/01/24	09/30/22	535	■	■	8	●	3/18/24 - Miguel is working thru ancillary data QA 1/9/24 - Waiting on ancillary data to be QA'd by DS. 10/24/23 - Many 2021 datasets are still pending various steps in the QA process. AXYS Bps & OPEs just added to review list, chl-a CN still in completeness check. POC in formatting. 9/6/23 - Data has been delivered from AXYS, waiting on DS to confirm which data sets have been received.
54	Bay RMP (2021)	Microplastic Sediment Cores	Manuscript	Diana Lin	06/01/24			☐	☐	0	●	
55	Bay RMP (2022)	3. QA and Data Services	QA Summary Report for 2022 S&T Activities	Don Yee	06/01/24	09/30/23	170	■	☐	2	●	3/18/24 - Bird egg data from AXYS still coming in. 10/24/23 - Waiting on bird egg data and PFAS archive data.
56	Bay RMP (2023)	D. 2023 Dry season Bay Water Cruise Data Mgmt	Process and upload dry season Bay water cruise data	Adam Wong	06/01/24	01/31/24	47	☐	■	1	●	3/18/24 - In DS queue for formatting and QA review.
57	Bay RMP (2023)	H. Nearfield and margins sediment & prey fish data mgmt.	Process and upload sampling data	Adam Wong	06/01/24	02/28/24	19	☐	■	1	●	3/18/24 - In DS queue for formatting and QA review.
58	Bay RMP (2023)	M. Ambient Bay sediment data mgmt.	Process and upload sampling data	Adam Wong	06/01/24	02/28/24	19	☐	■	1	●	3/18/24 - In DS queue for formatting and QA review.
59	Bay RMP (2023)	PFAS in Archived Sport Fish	Task 6. Final report	Miguel Mendez	06/01/24	12/30/23	79	☐	■	2	●	3/18/24 - Prioritized behind work on ECWG strategy and proposals and QACs report. Submission delayed until summer 2024. 1/8/24 - Draft under review 10/24/23 - Draft manuscript expected by early Nov. Submission for publication by the end of the year. Deliverable will be satisfied thru manuscript for SEP 29.
60	Bay RMP (2024)	J. 2024 Sample Archive	Short-term RMP sample archive purging	Martin Trinh	06/01/24			☐	■	1	●	
61	Bay RMP (2024)	L. 2024 Sport Fish Monitoring	Complete contracts	Beth Ebner	06/01/24			☐	☐	0	●	
62	Bay RMP (2024)	38. NTA of SF Bay Fish, Yr 1	Complete Sampling and Analysis Plan	Rebecca Sutton	06/01/24	01/31/24	47	☐	■	1	●	3/18/24 - Waiting on Sport Fish SAP.
63	Bay RMP (2024)	2. Governance	PCB WG Meeting	Jay Davis	06/03/24			☐	☐	0	●	
64	Bay RMP (2024)	2. Governance	June TRC Meeting	Amy Kleckner	06/23/24			☐	☐	0	●	
65	Bay RMP (2021)	Selenium in Clams	Task 4. Draft Report	Amy Kleckner	06/30/24	12/31/22	443	■	■	2	●	3/18/24 - Estimated completion in summer 2024, USGS data release coming soon. 10/24/23 - Waiting for DS to complete QA. delayed to allow for 2022 collections before working on the report
66	Bay RMP (2021)	26. Integrated watershed modeling and monitoring implementation strategy	Complete integrated watershed modeling and monitoring implementation strategy - Final report	Lester McKee	06/30/24	09/01/21	929	☐	■	5	●	8/16/23 - Draft report to be completed by June 2024. Lester McKee will replace Tan Zi as lead author. Revised timeline discussed with Tom Mumley.
67	Bay RMP (2024)	5. Communications	Q2 RMP eUpdate	Amy Kleckner	06/30/24			☐	☐	0	●	
68	Bay RMP (2024)	5. Communications	Updates to RMP website - Q2	Martin Trinh	06/30/24			☐	☐	0	●	
69	Bay RMP (2024)	G. 2024 Bird Egg Sampling	Successful collection of samples.	Amy Kleckner	06/30/24			☐	☐	0	●	Josh Ackerman USGS PI
70	Bay RMP (2024)	I. 2024 S&T Lab Intercomp Studies	Complete Study Design	Don Yee	06/30/24			☐	☐	0	●	
71	Bay RMP (2024)	K. 2024 S&T Field Sampling Report & Support	Post wet field season garage clean up	Martin Trinh	06/30/24			☐	☐	0	●	
72	Bay RMP (2024)	K. 2024 S&T Field Sampling Report & Support	Annual Lab Clean Up	Martin Trinh	06/30/24			☐	☐	0	●	
73	Bay RMP (2024)	40. OPEs, BP, and Other Plastic Additives in Wastewater	Complete Sampling and Analysis Plan	Rebecca Sutton	06/30/24			☐	☐	0	●	
74	Bay RMP (2024)	1. Program Management	2024 Q2 RMP Financial Report	Beth Ebner	07/24/24			☐	☐	0	●	
75	Bay RMP (2024)	1. Program Management	Update Deltek Program Plans for Open RMP Years	Beth Ebner	07/25/24			☐	☐	0	●	
76	Bay RMP (2024)	1. Program Management	SC Meeting Stoplight Report	Amy Kleckner	07/25/24			☐	☐	0	●	
77	Bay RMP (2024)	2. Governance	July SC Meeting	Amy Kleckner	07/25/24			☐	☐	0	●	
78	Bay RMP (2023)	Nontargeted Data Mining	Task 4. Spreadsheet of compiled data mining results	Rebecca Sutton	07/30/24			☐	☐	0	●	
79	Bay RMP (2024)	A. USGS Sacramento Support	Contract - Continuous suspended sediment monitoring at 5 stations	Amy Kleckner	07/31/24			☐	☐	0	●	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
80	Bay RMP (2024)	B. USGS Menlo Park Support	Contract - Monthly measurements of basic water quality at 38 stations	Amy Kleckner	07/31/24			☐	☐		●	
81	Bay RMP (2022)	Special Study: PCBs in sediment and fish SS/RC	Technical Report	Jay Davis	08/01/24			☐	☐		●	10/31/23 - We have received the sediment data from AXYS, but per Adam "there's programming work goin on to resubmit the fish data."
82	Bay RMP (2024)	C. 2024 Dry season water sampling	Complete contracts	Jennifer Dougherty	08/01/24			☐	☐		●	
83	Bay RMP (2024)	C. 2024 Dry season water sampling	Complete Sampling and Analysis Plan	Jennifer Dougherty	08/28/24			☐	☐		●	
84	Bay RMP (2021)	Selenium in Clams	Task 5. Final Report	Amy Kleckner	08/30/24	02/28/23	384	☐	☐	2	●	3/18/24 - Estimated completion in summer 2024. USGS data release coming soon. delayed to allow for 2022 collections before working on the report
85	Bay RMP (2023)	Special Study: PCBs in sediment and fish SS/RC (Year 2)	Final Technical Report	Jay Davis	08/30/24			☐	☐		●	10/31/23 - We have received the sediment data from AXYS, but per Adam "there's programming work goin on to resubmit the fish data."
86	Emerging Contaminants	RMP SEP	19. Quaternary Ammonium Compounds (QACs) in Bay Area Wastewater	Diana Lin	08/31/24	08/31/22		☐	☐	2	●	1/8/24 - Draft report received from Anna (UMN?), coordinating data delivery with DS. Additional funding from NSF increased the scope of the project. The ECOWG agreed to the suggested revised due dates for the deliverables so they can include the additional data.
87	Bay RMP (2021)	DMMO Database	DMMO Database Enhancements	Cristina Grosso	08/31/24	12/31/21	808	☐	☐	4	●	1/11/24 - Still waiting on final templates from Exa, expect to get them by end of Jan. Given Michael will be on leave for 1.5 months completion now expected end of summer 2024 12/5/23 - Exa templates are in final review stages.
88	Bay RMP (2024)	4. Annual Reporting	RMP Pulse Draft	Jay Davis	08/31/24			☐	☐		●	
89	Bay RMP (2024)	5. Communications	RMP Update to BACWA	Amy Kleckner	08/31/24			☐	☐		●	
90	Bay RMP (2024)	5. Communications	RMP Update to BPC	Amy Kleckner	08/31/24			☐	☐		●	
91	Bay RMP (2024)	I. 2024 S&T Lab Intercomp Studies	Complete contracts	Beth Ebner	08/31/24			☐	☐		●	
92	Bay RMP (2024)	50. Stormwater CECs Monitoring & Modeling 2024	Presentation to SC/TRC	Rebecca Sutton	08/31/24			☐	☐		●	
93	Bay RMP (2024)	24. Microplastics Stormwater Monitoring Pilot	Complete Sampling and Analysis Plan	Diana Lin	08/31/24			☐	☐		●	
94	Bay RMP (2022)	Special Study: Sediment delivery to marshes in C&N Bay	Report	Melissa Foley	09/01/24	12/01/23	108	☐	☐		●	Jessie Lacy and Karen Thorne (USGS) doing the work
95	Bay RMP (2024)	4. Annual Reporting	2024 Annual Meeting Agenda	Jay Davis	09/01/24			☐	☐		●	
96	Bay RMP (2024)	L. 2024 Sport Fish Monitoring	Successful collection of samples	Jay Davis	09/01/24			☐	☐		●	
97	Bay RMP (2024)	38. NTA of SF Bay Fish, Yr 1	Collect Samples	Rebecca Sutton	09/01/24			☐	☐		●	
98	Bay RMP (2023)	Special Study: Sediment Delivery to Marshes in C&N Bays; project expansion	Report (draft paper) investigating the relationships between SSC in the shallows, SSC at long-term channel stations, and sediment accretion on marshes	Melissa Foley	09/15/24			☐	☐	1	●	Jessie Lacy and Karen Thorne (USGS) conducting this work
99	Bay RMP (2024)	4. Annual Reporting	RMP Pulse Final and send to printer	Jay Davis	09/20/24			☐	☐		●	
100	Bay RMP (2024)	2. Governance	September TRC Meeting	Amy Kleckner	09/22/24			☐	☐		●	
101	Bay RMP (2023)	3. QA and Data Services	QA Summary Report for 2023 S&T Activities	Don Yee	09/30/24			☐	☐		●	
102	Bay RMP (2023)	Special Study: STLS WY21 POC Recon Monitoring	Laboratory analysis, QA, & Data Management	Alicia Gilbreath	09/30/24			☐	☐		●	
103	Bay RMP (2024)	5. Communications	Q3 RMP eUpdate	Amy Kleckner	09/30/24			☐	☐		●	
104	Bay RMP (2024)	5. Communications	RMP Update to BAMSC	Amy Kleckner	09/30/24			☐	☐		●	
105	Bay RMP (2024)	5. Communications	RMP Update to LTMS	Amy Kleckner	09/30/24			☐	☐		●	
106	Bay RMP (2024)	5. Communications	RMP Update to WSPA	Amy Kleckner	09/30/24			☐	☐		●	
107	Bay RMP (2024)	5. Communications	RMP Update at RB2 Meeting	Amy Kleckner	09/30/24			☐	☐		●	
108	Bay RMP (2024)	5. Communications	Updates to RMP website - Q3	Martin Trinh	09/30/24			☐	☐		●	
109	Bay RMP (2024)	C. 2024 Dry season water sampling	Collect samples	Jennifer Dougherty	09/30/24			☐	☐		●	
110	Bay RMP (2024)	N. NB Se Monitoring	Sampling and analysis proposal for 2025 S&T Monitoring presented to TRC	Amy Kleckner	09/30/24			☐	☐		●	
111	Bay RMP (2024)	40. OPEs, BP, and Other Plastic Additives in Wastewater	Collect Samples	Rebecca Sutton	09/30/24			☐	☐		●	
112	Bay RMP (2024)	30. Integrated Monitoring & Modeling for PCBs and Hg Phase 1	Lab analysis, QA, & data mgmt.	Alicia Gilbreath	09/30/24			☐	☐		●	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
113	RMP SEP	32. Temporal variability in sediment delivery to a North and Central SF Bay Salt Marsh	Data made publicly available	Melissa Foley	10/01/24			☐	☐		●	
114	Bay RMP (2024)	4. Annual Reporting	Annual Meeting	Amy Kleckner	10/16/24			☐	☐		●	
115	Bay RMP (2024)	2. Governance	October SC Meeting	Amy Kleckner	10/20/24			☐	☐		●	
116	Bay RMP (2024)	1. Program Management	Update Deltek Program Plans for Open RMP Years	Beth Ebner	10/24/24			☐	☐		●	
117	Bay RMP (2023)	37. Tire and roadway contaminants in wet season Bay water (year 2 of 2)	Task 4. QA/QC, data management, and data upload	Rebecca Sutton	10/30/24			☐	☐		●	
118	Bay RMP (2023)	F. 2023 Wet season water data mgmt.	Process and upload wet season water sampling data	Adam Wong	10/31/24			☐	☐		●	
119	Bay RMP (2024)	F. WY24 Wet season water data mgmt.	Process and upload wet season water sampling data	Adam Wong	10/31/24			☐	☐		●	
120	Bay RMP (2024)	K. 2024 S&T Field Sampling Report & Support	Post dry field season garage clean up	Martin Trinh	10/31/24			☐	☐		●	
121	Bay RMP (2024)	1. Program Management	2025 Multi-Year Plan	Amy Kleckner	11/01/24			☐	☐		●	
122	Bay RMP (2024)	1. Program Management	2025 Detailed Workplan and Budget	Amy Kleckner	11/01/24			☐	☐		●	
123	Bay RMP (2024)	1. Program Management	2024 Q3 RMP Financial Report	Beth Ebner	11/01/24			☐	☐		●	
124	Bay RMP (2024)	1. Program Management	SC Meeting Stoplight Report	Amy Kleckner	11/01/24			☐	☐		●	
125	Bay RMP (2024)	M. 2024 Sport Fish data mgmt.	Process and upload sampling data	Adam Wong	11/01/24			☐	☐		●	
126	Bay RMP (2024)	42. Continuous SSC and Wave Monitoring in SB and LSB, Yr. 3	Report	Scott Dusterhoff	11/01/24			☐	☐		●	
127	Bay RMP (2023)	Ethoxylated surfactants in ambient water, margin sediment, wastewater, Part 2 (year 2of 2)	Task 6. Final report	Diana Lin	11/30/24			☐	☐		●	
128	Bay RMP (2024)	2. Governance	December TRC Meeting	Amy Kleckner	12/09/24			☐	☐		●	
129	Bay RMP (2023)	Special Study: STLS WY21 POC Recon Monitoring	Wet season water samples collected and sent to the labs for analysis	Alicia Gilbreath	12/30/24			☐	☐		●	
130	Bay RMP (2023)	Special Study: Sediment Delivery to Marshes in C&N Bays: project expansion	Presentation to Bay Delta Science or State of the Estuary Conference	Melissa Foley	12/30/24			☐	☐		●	Jessie Lacy and Karen Thorne (USGS) conducting this work
131	Bay RMP (2024)	P. PFAS and NTA in Marine Mammals (Yr 2)	Sample collection	Rebecca Sutton	12/30/24			☐	☐		●	
132	Bay RMP (2022)	Special Study: Ethoxylated surfactants in ambient water, margin sediment, wastewater. Part 2	Final Report	Diana Lin	12/31/24	08/31/23	200	■	■	2	●	10/24/23 - Revised timeline. Draft report in development. Delay from analytical laboratory to analyze remaining sediment and wastewater samples, expected final laboratory results by end of spring 2024. Final report expected 12/31/24. 7/18/23 - Jennifer D. collecting samples this week. Waiting for updated dataset from DS to begin report. Plan is to start drafting report as soon as data is received from DS but Duke U. has still not analyzed sediment and second round of wastewater. A draft may be completed by end of the year, but final report not expected until later.
133	Bay RMP (2022)	Special Study: DMMO Database Enhancements	Make testing results accessible on the DMMO website	Cristina Grosso	12/31/24	12/31/22	443	■	■	3	●	1/11/24 - Need to complete task 3021-046 first, timeline updated. 9/11/23 - Don't foresee any issues with completing these tasks on budget and schedule. However, the DMMO Project Team has asked us to prioritize the data template testing and database enhancement work first.
134	Bay RMP (2023)	Special Study: Sediment Flux Richmond Bridge	Data release	Scott Dusterhoff	12/31/24	05/11/23	312	■	☐	1	●	9/15/23 - Per David Hart at USGS: work will not move forward in WY24, but do expect it to happen in WY25 as part of a larger project with the possibility of increased funding from other groups.
135	Bay RMP (2024)	1. Program Management	RMP Participation Letters for BACWA and WSPA Agencies	Amy Kleckner	12/31/24			☐	☐		●	
136	Bay RMP (2024)	1. Program Management	Honoraria Payments to Science Advisors	Amy Kleckner	12/31/24			☐	☐		●	
137	Bay RMP (2024)	3. QA and Data Services	Online Data Access CD3	Cristina Grosso	12/31/24			☐	☐		●	
138	Bay RMP (2024)	3. QA and Data Services	Database Maintenance	Adam Wong	12/31/24			☐	☐		●	
139	Bay RMP (2024)	3. QA and Data Services	Updates to SOPs and Templates	Adam Wong	12/31/24			☐	☐		●	
140	Bay RMP (2024)	3. QA and Data Services	DMMO Database Support	Cristina Grosso	12/31/24			☐	☐		●	
141	Bay RMP (2024)	5. Communications	Q4 RMP eUpdate	Amy Kleckner	12/31/24			☐	☐		●	
142	Bay RMP (2024)	5. Communications	Updates to RMP website - Q4	Martin Trinh	12/31/24			☐	☐		●	
143	Bay RMP (2024)	H. 2024 Bird Egg Data Mgmt	Processing and upload bird egg data	Adam Wong	12/31/24			☐	☐		●	
144	Bay RMP (2024)	J. 2024 Sample Archive	Update RMP Archives database	michaelw@sfei.org	12/31/24			☐	☐		●	
145	Bay RMP (2024)	K. 2024 S&T Field Sampling Report & Support	Field Reports Reviewed and posted to website	Amy Kleckner	12/31/24			☐	☐		●	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
146	Bay RMP (2024)	L. 2024 Sport Fish Monitoring	Sport Fish Report	Jay Davis	12/31/24			🚩	🚩		●	
147	Bay RMP (2024)	R. WDM Model Maintenance	Update model development log	Pedro Avellaneda	12/31/24			🚩	🚩		●	
148	Bay RMP (2024)	31. Tidal Area Remote Sampler Pilot - Yr 2	Data upload to CEDEN	Don Yee	12/31/24			🚩	🚩		●	
149	Bay RMP (2024)	1. Program Management	2024 Q4 RMP Financial Report	Beth Ebner	01/31/25			🚩	🚩		●	
150	Bay RMP (2024)	D. 2024 Dry season water Data Mgmt	Process and upload dry season water sample data	Adam Wong	01/31/25			🚩	🚩		●	
151	Bay RMP (2024)	40. OPEs, BP, and Other Plastic Additives in Wastewater	Final Report	Rebecca Sutton	01/31/25			🚩	🚩		●	
152	Bay RMP (2024)	31. Tidal Area Remote Sampler Pilot - Yr 2	Draft Report	Don Yee	01/31/25			🚩	🚩		●	
153	Bay RMP (2023)	Special Study: STLS WY21 POC Recon Monitoring	Interpretation & reporting for BAMSC	Alicia Gilbreath	02/28/25			🚩	🚩		●	
154	Bay RMP (2024)	Q. Marine Mammals data mgmt.	Process and upload sampling data	Adam Wong	02/28/25			🚩	🚩		●	
155	Bay RMP (2024)	51. PFAS in Bay Water using the TOP Assay	Final Report	Rebecca Sutton	02/28/25			🚩	🚩		●	
156	Bay RMP (2024)	21. Monitoring of Sediment Deposition in SLB Intertidal Areas	Draft Report	Don Yee	02/28/25			🚩	🚩		●	
157	Bay RMP (2024)	I. 2024 S&T Lab Intercomp Studies	Presentation to the TRC on findings from IC studies.	Don Yee	03/01/25			🚩	🚩		●	
158	Bay RMP (2024)	3. QA and Data Services	QA Summary Report for 2024 S&T Activities	Don Yee	03/31/25			🚩	🚩		●	
159	Bay RMP (2024)	31. Tidal Area Remote Sampler Pilot - Yr 2	Final Report	Don Yee	03/31/25			🚩	🚩		●	
160	RMP SEP	32. Temporal variability in sediment delivery to a North and Central SF Bay Salt Marsh	Final Report	Melissa Foley	04/01/25			🚩	🚩		●	
161	RMP SEP	26. PFAS & Chlorinated Paraffins in Bay Sediment	Report	Rebecca Sutton	04/04/25			🚩	🚩		●	
162	Bay RMP (2024)	37. Tire and Roadway Contaminants in Wet Season Bay Water, Yr 3	Presentation at ECWG	Rebecca Sutton	04/30/25			🚩	🚩		●	
163	Bay RMP (2024)	39. PFAS Synthesis & Strategy	Final Report	Rebecca Sutton	04/30/25			🚩	🚩		●	
164	Bay RMP (2024)	21. Monitoring of Sediment Deposition in SLB Intertidal Areas	Final Report and data upload	Don Yee	04/30/25			🚩	🚩		●	
165	RMP SEP	27. High speed mapping of water quality parameters on the eastern shoal of South San Francisco Bay	Data release	Ariella Chelsky	06/30/25			🚩	🚩		●	
166	RMP SEP	27. High speed mapping of water quality parameters on the eastern shoal of South San Francisco Bay	Technical Report	Ariella Chelsky	06/30/25			🚩	🚩		●	
167	Bay RMP (2023)	PFAS and NTA in Marine Mammals (year 1 of 2)	Task 5. Draft manuscript(s)	Rebecca Sutton	06/30/25			🚩	🚩		●	
168	Bay RMP (2023)	Special Study: STLS WY21 POC Recon Monitoring	Final report	Alicia Gilbreath	06/30/25			🚩	🚩		●	
169	Bay RMP (2024)	P. PFAS and NTA in Marine Mammals (Yr 2)	S&T study design recommendations (technical memo), presentation to TRC.	Rebecca Sutton	06/30/25			🚩	🚩		●	
170	Bay RMP (2024)	40. OPEs, BP, and Other Plastic Additives in Wastewater	QA/QC and Data Management	Rebecca Sutton	06/30/25			🚩	🚩		●	
171	RMP SEP	28. SF Bay Sediment Transport and Fate Modeling	Technical Report	Dave Senn	09/05/25			🚩	🚩		●	
172	Bay RMP (2023)	37. Tire and roadway contaminants in wet season Bay water (year 2 of 2)	Task 7. Final short report	Rebecca Sutton	09/30/25			🚩	🚩		●	
173	Bay RMP (2023)	PFAS and NTA in Marine Mammals (year 1 of 2)	Task 6. Final manuscript(s)	Rebecca Sutton	09/30/25			🚩	🚩		●	
174	Bay RMP (2024)	44. Spatial variability of sediment accretion in SFB restorations	Data release: soil properties, digital elevation models, and RTK GPS data	Scott Dusterhoff	09/30/25			🚩	🚩		●	
175	Bay RMP (2024)	44. Spatial variability of sediment accretion in SFB restorations	Report	Scott Dusterhoff	03/31/26			🚩	🚩		●	

Focus Area	Project	Task	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	Due Date Extended (external delay)	Due Date Extended (internal delay)	# of extensions	Status	Comments
176	Bay RMP (2024)	40. OPEs, BP, and Other Plastic Additives in Wastewater	Presentation at ECWG	Rebecca Sutton	04/30/26							
177	Bay RMP (2024)	38. NTA of SF Bay Fish, Yr 1	Presentation to ECWG and TRC	Rebecca Sutton	04/30/26							
178	RMP SEP	31. Investigating HABs in SF Bay	Data made publicly available	Dave Senn	06/30/26							
179	RMP SEP	31. Investigating HABs in SF Bay	Technical Report	Dave Senn	06/30/26							
180	Bay RMP (2024)	38. NTA of SF Bay Fish, Yr 1	Final Manuscript	Rebecca Sutton	09/30/26							
181	Bay RMP (2024)	44. Spatial variability of sediment accretion in SFB restorations	Presentation to RMP	Scott Dusterhoff	09/30/26							

Bay RMP Action Items Stoplight Report_New

Primary	Deliverable	Assigned To	Due Date	Old Due Date	Days overdue	# of extensions	Due Date Extended (external delay)	Due Date Extended (internal delay)	Status	Comments	Meeting Date
1	SC Action Items 11/1/23	Schedule a first COW meeting (to include Richard L. and Dave S.) to brainstorm types of events, level of effort, and ways to pull in other groups.	Jay Davis	12/31/23					🚩		11/01/23
2	Action Items 12/7/23	Schedule Council of Wisdom meeting with Richard, Dave, Amy & Jay to discuss Event Based monitoring plans	Jay Davis	01/31/24	12/31/23	78	1		🚩		12/07/23
3	SC Action Items from 01/22/24	Follow up with John Coleman (BPC) and Tessa Beach (USACE) re: future meeting attendance	Amy Kleckner	04/15/24					🚩		01/22/24
4	SC Action Items from 01/22/24	Include/highlight any unallocated MMP funds for the April meeting	Beth Birmingham	04/15/24					🚩		01/22/24
5	SC Action Items from 01/22/24	Develop a timeline/plan for 2025 Se sampling to present to the TRC and SC	Amy Kleckner	06/01/24					🚩		01/22/24
6	Action Items 9/19/23	Share revised draft of margins report after reanalysis	Don Yee	06/01/24	12/31/23	78	1		🚩	3/18/24 - DS continuing work on reanalyses. Due date extended.	09/19/23
7	MYP Action Items 11/1/23	Revisit and discuss NTA and Passive Samplers for S&T 2025/2026	Jay Davis	08/31/24					🚩		11/01/23
8	MYP Action Items 11/1/23	Revisit/discuss future model maintenance, equipment maintenance, continuation of S&T pilot studies, and selenium funding before 2025 MYP update	Amy Kleckner	08/31/24					🚩		11/01/23
9	SC Action Items from 01/22/24	Prepare an org chart of SFEI employees that are key players in the RMP for the MYP meeting	Amy Kleckner	08/01/24					🚩		01/22/24
10	Action Items from 06/20/23	Post updated SEP list to RMP website	Martin Trinh	06/30/24	09/04/23				🚩	1/11/24 - Will be added after a key resources and documents tab is added to special studies page in the new design. 10/25/23 - Prioritized behind new SFEI website template updates. 9/6/23 - will include in Q3 website updates. Extend due date until 9/30.	06/20/23
11	November MYP/SC								🚩		11/01/23
12	January SC Mtg								🚩		01/22/24
13	June 2023 TRC								🚩		06/20/23
14	September 2023 TRC								🚩		09/19/23
15	December 2023 TRC								🚩		12/07/23