

ATTACHMENT B
to
Settlement Agreement and Stipulation
for Entry of Administrative Civil Liability Order

Study Description for
Supplemental Environmental Project for the
Regional Monitoring Program for Water Quality in San Francisco Bay

Basic Information

Study Name: Temporal Variability in Sediment Delivery to a North and Central San Francisco Bay Salt Marsh

Study Budget: \$118,250

SFEI Contacts:

- Technical – Melissa Foley, melissaf@sfei.org, (510) 746-7345
- Financial – Jennifer Hunt, jhunt@sfei.org, (510) 746-7347

Study Description

The study will investigate the influence of tides, waves, and water levels on sediment delivery and deposition on two tidal marshes in North and Central San Francisco Bay. The project will include measurements of suspended sediment concentration (SSC) and suspended sediment flux in the shallows adjacent to the marshes, SSC at long-term tidal creek stations, deposition and accretion on the marshes, and the variation in deposition with elevation and vegetation density and type. Data will be collected in 2023 and analyzed and reported by fall 2024. Study results will inform shoreline and tidal marsh sea level rise resilience and adaptation management strategies.

Compliance with SEP Criteria

This study complies with the following SEP criteria:

- It supports development and implementation of a monitoring program and/or study of surface water quality or quantity and/or the beneficial uses of the water.
- Its nexus to the violations is that it is located within the same Water Board region in which violations occurred.

This study goes above and beyond applicable obligations of dischargers because of the following:

- This project is a study (or studies) and associated product (or projects) above and beyond what is required in permits or orders issued by the Regional Water Board or what can be accomplished with dischargers' required monetary contributions to the Regional Monitoring Program for Water Quality in San

Francisco Bay.

Study Milestones and Performance Measures

Data collection will begin in 2023 at marshes in Central Bay and North Bay. The data will be available within 18 months of the start of work. A final report will be completed, and the data will be publicly available, no later than 24 months after the effective date of the Stipulated Order approving this project as a SEP. The final report will present the relationship between sediment dynamics in the shallows and sediment delivery to the marshes, and its seasonal variation.

Study Budget and Reports

Pursuant to the October 2015 Supplement to the Memorandum of Understanding (MOU) between SFEI and the Regional Water Board, SFEI is responsible for identifying in each annual work plan and annual budget for the RMP those studies or elements, or portions of a study or element, that are to be funded by SEP funds. SFEI will keep a copy of accounting records of SEP fund contributions and expenditures separately from regular RMP funds. In its annual and quarterly financial reports to the Regional Water Board, SFEI will separately itemize SEP fund contributions and expenditures by each SEP funder.

SFEI will provide notice to the Regional Water Board within one month after receiving funds from a discharger for the SEP and the notice will state SFEI's agreement to use the funds received as described herein.

Publicity

Pursuant to the 2015 MOU, SFEI will indicate on its RMP website, and annual and other reports, that funding for the study is the result of settlement of "San Francisco Bay Water Board" enforcement actions.