



## Trash Monitoring Conceptual Model Development Workshop

April 18-19, 2017

Elihu M. Harris State Building, 1515 Clay Street, Oakland, CA 94612

Room 9

---

### Workshop Purpose and Objectives:

- Identify the key and unresolved issues surrounding trash monitoring, and build a shared understanding of these issues with participants and experts.
- Develop a conceptual model for in-water trash monitoring to inform future considerations when selecting monitoring methods for field testing.
- Provide recommendations and input to an upcoming project to field test selected monitoring methods. Recommendations could include methods that are ripe for field testing, methods that need further refinement, or environments that have not been considered for monitoring that should be tested.

### Agenda

#### **Day 1**

*Day 1 of the Conceptual Modeling Workshop sets the context for the workshop, introduces participants to the conceptual model framework, and provides participants with an opportunity to break down each piece of the conceptual model and provide input or suggest revisions. Participants will hear from experts that have recently worked on trash monitoring in California and will use lessons learned from those projects to better inform the conceptual model and the upcoming field testing project. The panel on day 1 focuses on traditional monitoring methods.*

#### **Morning Session (9:00-12:00): Setting the Stage and Developing a Conceptual Modeling Framework**

9:00 Welcome and Introductions

Overall Charge and Goals of the Workshop

- Opening remarks, context, and overall charge of the workshop; Holly Wyer (OPC)

Recap of the Monitoring Considerations for Trash Amendment Compliance Workshop

- Presentation, Sarah Wheeler (OST)

Overview of the Trash Amendments and Upcoming Projects

- Trash Amendments Overview, focusing on management questions and monitoring needs, Greg Gearheart (State Water Board)
- Upcoming Field Testing Project Presentation, Shelly Moore (SCCWRP) and Tony Hale (SFEI)

#### Overview of Conceptual Models and the Conceptual Model Framework

- Overview Presentation of Conceptual Models, Holly Wyer (OPC)
- Presentation of Conceptual Model Framework for Participant Input, Shelly Moore (SCCWRP) and Tony Hale (SFEI)

10:30 Break (15 mins)

#### Revising the Conceptual Modeling Framework: Management Questions, and Monitoring Habitats and Locations

- Brainstorm and prioritization session of the top management questions to drive monitoring and the top habitats and locations where monitoring should occur.

12:00 Lunch (1.25 hrs)

#### **Afternoon Session (1:15-4:15): Trash Monitoring Methodologies, Lessons Learned, and Metrics to Consider**

1:15 Revising the Conceptual Model Framework: Trash Monitoring Methodologies and Details

Panel:Carolynn Box (5 Gyres), Shelly Moore (SCCWRP), Ted Von Bitner (AMEC)

- A panel of experts will present on prior trash monitoring projects that have occurred in the state, followed by participant discussion.

Break

#### Revising the Conceptual Model Framework: Metrics

- Discussion of ongoing issues in the metrics used to measure and monitor trash.

4:30 Conclusion and Adjourn

## **Day 2**

*Day 2 of the Conceptual Modeling Workshop provides participants with additional opportunities to revise the conceptual model. Participants will hear from experts that have worked on innovative techniques to address natural resources management issues, and will have an opportunity to consider which of these innovative approaches may be appropriate for trash monitoring. Participants will be able to make recommendations on innovative monitoring techniques or technologies to explore in the future.*

### **Morning Session (9:00-11:30): Further Refining the Conceptual Model**

9:00 Welcome, Introductions, and Recap of Day 1

Opportunity to Further Refine the Conceptual Model

- Opportunity to review the input captured on Day 1 and further refine the conceptual model and capture recommendations that may have been missed earlier.

11:30 Lunch (1.25 hrs)

### **Afternoon Session (12:45-4:00): Innovative Technologies, Techniques and Methods for Trash Monitoring**

12:45 Innovative Technologies, Techniques, and Remote Sensing Methodologies for Trash Monitoring

Panel: Kate Wing (Kate Wing Consulting), Tony Hale (SFEI)

- A panel of experts will present on innovations in monitoring, followed by participant discussion.

2:45 Break (15 minutes)

Opportunities to Engage in Field Testing

- Discussion on how to incorporate innovative monitoring considerations into the conceptual model and opportunities to participate in field testing.

Next Steps

4:00 Adjourn