



Delta RMP Steering Committee Teleconference

Wed Dec 19, 2018

1:30 pm – 3:30 pm

Join the meeting: <https://join.me/sfei-conf-cw2>

To dial in by phone: +1.415.594.5500

Conference ID: 238-626-034 #

Agenda

1	<p>Introductions and Review Agenda</p> <p>Introduce SC members, establish quorum, and explain goals of the meeting</p>		1:30
2	<p>Planning the Pulse of the Delta</p> <p>In FY17/18, the SC budgeted to begin production of <i>The Pulse of the Delta</i>. The Pulse is intended to focus on water quality of the Delta, highlight the Delta RMP's accomplishments, and outline where we are going in the future. Last fall, the SC decided to delay production of the Pulse pending the completion of several reports. We will discuss key messages of the <i>Pulse</i> and consider the format, i.e. print publication vs. web.</p> <p>Desired outcome:</p> <ul style="list-style-type: none"> • SC direction on the desired format and key messages for the <i>Pulse</i>. 	<p>Presentation: <i>Planning the Pulse of the Delta</i></p>	1:40
3	<p>Wrap Up</p> <ul style="list-style-type: none"> • Review decisions and action items • Suggest items for discussion or decision at upcoming meetings. 		3:15
	Adjourn		3:30

Recent Publications

funded wholly or in part by the Delta RMP

Nutrients reports by USGS

1. An introduction to high-frequency nutrient and biogeochemical monitoring for the Sacramento–San Joaquin Delta, northern California. 2017. <http://pubs.er.usgs.gov/publication/sir20175071>
2. Synthesis of data from high-frequency nutrient and associated biogeochemical monitoring for the Sacramento–San Joaquin Delta, northern California. 2017. <http://pubs.er.usgs.gov/publication/sir20175066>
3. Designing a high-frequency nutrient and biogeochemical monitoring network for the Sacramento–San Joaquin Delta, northern California. 2017. <http://pubs.er.usgs.gov/publication/sir20175058>

Nutrients reports by ASC

1. Characterizing and quantifying nutrient sources, sinks and transformations in the Delta: synthesis, modeling, and recommendations for monitoring. 2015. <http://sfbaynutrients.sfei.org/books/dwr-contract-deliverable>
2. Nutrient Monitoring Planning Workshop - Summary of Existing Nutrient Monitoring Programs, Data Gaps, and Potential Delta RMP “No Regrets” Monitoring Activities. 2016. http://www.waterboards.ca.gov/rwqcb5/water_issues/delta_water_quality/delta_regional_monitoring/studies_reports/drmp_workshop_rpt_20161017.pdf
3. Assessment of Nutrient Status and Trends in the Delta in 2001–2016: Effects of drought on ambient concentrations and trends. 2018. <https://www.sfei.org/documents/delta-nutrient-status-2018>
4. Delta RMP Nutrients Synthesis: Modeling to Assist Identification of Temporal and Spatial Data Gaps for Nutrient Monitoring. 2018. <https://www.sfei.org/documents/delta-nutrients-modeling>
5. Beck, M. W., T. W. Jabusch, P. R. Trowbridge, and D. B. Senn. “Four Decades of Water Quality Change in the Upper San Francisco Estuary.” *Estuarine, Coastal and Shelf Science* 212 (November 2018): 11–22. <https://doi.org/10.1016/j.ecss.2018.06.021>.

Pathogens

1. Pathogen Study Final Report, by Larry Walker Associates. 2018. https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/delta_regional_monitoring/reports/pathogens/drmp_path_study_1517.pdf

Pesticides

1. Delta Regional Monitoring Program Annual Monitoring Report for Fiscal Year 2015–16: Pesticides and Toxicity. <http://www.sfei.org/documents/delta-pesticides-2016>
2. De Parsia, M., J.L. Orlando, M.M. McWayne, and M.L. Hladik. “Pesticide Inputs to the Sacramento-San Joaquin Delta, 2015-2016: Results from the Delta Regional Monitoring Program.” Sacramento, California: U. S. Geological Survey, California Water Science Center, 2018. <https://pubs.er.usgs.gov/publication/ds1089>.

Mercury

1. Mercury and Methylmercury in Fish and Water from the Sacramento-San Joaquin Delta: August 2016 – April 2017. <https://www.sfei.org/documents/delta-mercury-2016>

Forthcoming Publications

- Jan 2019: Year 2 Pesticides Data Report, Matt DeParsia and Jim Orlando, USGS
- Spring 2019: Cross-Delta monitoring using high-frequency monitoring tools, USGS Biogeochemical Research Group.
- Spring 2019: Year 2 Mercury Monitoring Report, Jay Davis, ASC, and Wes Heim, Moss Landing Marine Laboratory
- June 2019: Pesticides and Toxicity Interpretive Report, Erwin Roex, Deltares
- June 2019: Chlorophyll sensor intercalibration study report
- Fall 2019: Pulse of the Delta, Vol. 3

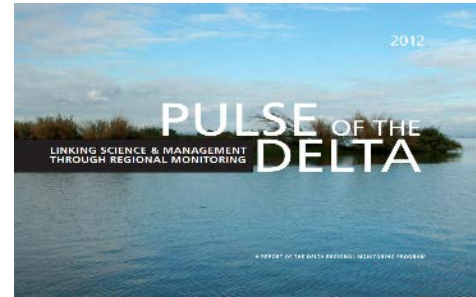
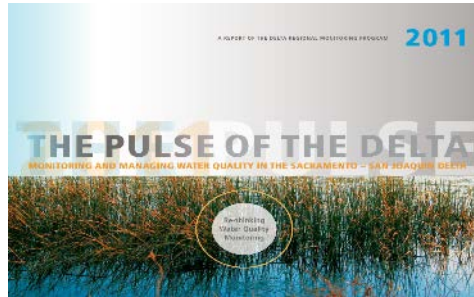


Planning *The Pulse of the Delta*
(and other external communication products)

Delta RMP Annual Joint Meeting
October 29, 2018

Background

Two *Pulses* have been published to date, but both preceded the creation of the Delta RMP.



“The vision for the Pulse of the Delta is to make the wealth of available information on water quality in the Delta accessible to water quality managers, decision-makers, scientists, and the public.” (Pulse of the Delta 2011)

Planning for the next Pulse of the Delta

FY17-18 Workplan:

“A Pulse document typically requires having 3-4 technical reports completed and approved by the Steering Committee a 9-12 months in advance, after which the Steering Committee works on high level messaging.”

Delta RMP Communications Plan:

“The Steering Committee will plan the scope, allocate funding, and decide when to publish a Pulse of the Delta and its theme.”

In 2017, we opted to delay the report

- **Decision:** Wait until we have more substantive content, publish in Fall 2019
- Allows more time for review, building consensus around key messages
- Major synthesis reports of nutrients completed in 2018
- Pesticides Interpretive Report expected April 2019
- In time for the *State of the Estuary* Conference

Audiences

Primary

- RMP participants
- And your boards and colleagues

Secondary

- Other Delta water managers
- Policy makers
- Local scientists
- Scientists in general
- Media and outreach specialists
- The public
- Funders

Options for Scope and Themes

Option A

Scope:

Delta RMP focused data and accomplishments

Possible Themes:

Delta RMP data fill critical management needs

Option B

Scope:

Delta RMP and Key Partners data and accomplishments

Possible Themes:

Delta RMP data complement other programs to fill critical data gaps

Option C

Scope:

Water Quality in the Delta

Possible Themes:

Status and trends of water quality in the Delta

Delta RMP Milestones

Milestone	2017				2018				2019				2020			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Mercury																
Data Report on Year 1				■												
Data Report on Year 2								■								
Interpretive Report on Years 1-3													■			
Pathogens																
Year 2 data published					■											
Summary report								■								
Pesticides																
Year 1 Data Report published			■													
Pesticides "Dataviz" published								■								
Interpretive Report									■							
Nutrients																
Status and Trends report				■												
Modeling report				■												
High-frequency monitoring report									■							
Chlorophyll Sensor Intercalibration										■						
Meetings																
Bay-Delta Science Conference				■				■								
State of the Estuary Conference												■				■

Example Outline

1. **Overview** - Introduction to this year's theme
2. **Management Update**
 - a. How the RMP is informing management decisions
 - b. Highlights of recent accomplishments
 - c. Future direction
3. **Feature Articles**
 - a. Mercury
 - b. Nutrients
 - c. Pesticides
 - d. Pathogens

4. **Key Status and Trends Infographics**
 - a. (if not covered in Section 3)
5. **Acknowledgments**
 - a. Program Participants
 - b. Contractors
 - c. Key Partners
6. **References**

Updated Scope of Work & Budget

Scope of Work and Schedule

No.	Task	Schedule
1	Develop a detailed outline and scope with RMP committees Prepare a comprehensive budget and schedule	December 31, 2018
2	Manage subcontractors	June 30, 2019
3	Develop draft content	June 30, 2019
4	Manage comments/review by RMP committees	June 30, 2019

Unfunded tasks include:

- Graphic design
- Printing
- Outreach/Communications

Budget remaining:

\$38,800

(out of \$40,000 budget)

External Contributions

If we want to include data from key partners, who would that be?

- Environmental Monitoring Program (EMP)
- Municipal monitoring
- ILRP monitoring
- USGS

Mercury

We have 2 year of data collected and 1 published report to date. Schedule:

Deliverable	Due Date
<i>Final Data Report on Year 1</i>	<i>Published 2018</i>
Draft Data Report on Year 2	December 2018
Final Data Report on Year 2	March 2019
Draft Interpretive Report on Years 1-3	December 2019
Final Interpretive Report on Years 1-3	March 2020

Pathogens

Years 1&2 data published and Year 2 data forthcoming.

Data reports summarizing 2 years of *Cryptosporidium* and *Giardia* sampling in the Delta, by Larry Walker and Associates.

But... reporting to fulfill regulatory requirement,

Current Use Pesticides

1. *Annual Monitoring Report FY 2015–16: Pesticides*. (Year 1 data report).
2. Note: Year 2 data report cancelled at direction of the SC.
3. Pesticides Interpretive Report – scheduled for April 2019.

Nutrients

USGS Reports:

- **2017** - An introduction to high-frequency nutrient and biogeochemical monitoring for the Sacramento–San Joaquin Delta, northern California
- **2017** - Synthesis of data from high-frequency nutrient and associated biogeochemical monitoring for the Sacramento–San Joaquin Delta, northern California
- **2017** - Designing a high-frequency nutrient and biogeochemical monitoring network for the Sacramento–San Joaquin Delta, northern California
- **Forthcoming in 2019**: Cross-Delta monitoring using high-frequency monitoring tools

ASC Reports:

- **2015** - Characterizing and quantifying nutrient sources, sinks and transformations in the Delta: synthesis, modeling, and recommendations for monitoring
- **2016** - Nutrient Monitoring Planning Workshop - Summary of Existing Nutrient Monitoring Programs, Data Gaps, and Potential Delta RMP “No Regrets” Monitoring Activities
- **2018** - Assessment of Nutrient Status and Trends in the Delta in 2001–2016: Effects of drought on ambient concentrations and trends.
- **2018** - Delta RMP Nutrients Synthesis: Modeling to Assist Identification of Temporal and Spatial Data Gaps for Nutrient Monitoring.