

**POTENTIAL THEMES OR ARTICLES**

**Themes (and Potential Articles)**

	VOTES RECEIVED AT ANNUAL MEETING
1) <b>Sediment:</b> sediment quality objectives; coring study; decreasing suspended sediment; bathymetry (erosion and deposition); sediment fate and transport; mothball fleet; contamination on the Bay margin	49
2) <b>Emerging Contaminants and Green Chemistry:</b> Green Chemistry Initiative; fluorinated stain repellents (PFOS); flame retardants (PBDEs and replacements); pyrethroids; endocrine disruptors; personal choices and water quality; nanoparticles	67
3) <b>Wetland Restoration:</b> summary of activities and benefits; marsh mercury studies (Petaluma, South Bay Salt Pond Monitoring)	32
4) <b>Bay Water Quality and Human Health:</b> Beneficial uses (contact recreation, fishing, shellfish harvesting); sport fish monitoring (RMP, SWAMP)	42
5) <b>Pollutant Pathways to the Bay:</b> dredging and dredged material disposal; urban runoff; industrial effluents; POTWs; atmospheric deposition	73
6) <b>Urban Runoff:</b> MRP, Lester’s Prop 13 Project, Zone 4, Guadalupe model, pollution prevention and source control	
7) <b>POTW Issues:</b> Aging infrastructure, nutrients, phytoplankton, pathogens, emerging contaminants, pollution prevention and source control, watershed permit, WERF mercury study	
8) <b>Dredging/port issues:</b> PAH effects on fish, creosote study, dioxin, sediment supply trends	
9) <b>Industrial Discharge Issues:</b> selenium, dioxin, PAHs	
10) <b>Ecological Health of the Bay</b> (“write-in candidate from the Annual Meeting)	19
11) <b>Coordinating with the Delta RMP and Other Programs</b> (“write-in candidate from the Annual Meeting)	26
12)	

TMDL/Pollutant of the Year

- **Selenium** in 2011?
- **PAHs, oil**
- **PBDEs**
- **Pathogens:**
- **Nutrients:** Cloern’s work
- **Exotic species:** creosote; phytoplankton, Crassostrea gigas
- **PCBs** (2006)
- **Mercury** (2008)

Beneficial Uses

- **Contact recreation**
- **Fishing**
- **Shellfish harvesting**

Management Initiatives

- **Clean Water Act (2007)**

**Costs and benefits of the RMP**

**Climate Change**

**Pollution Prevention and Source Control**

**Desalination/Reclamation**

**Military Legacy: Mothball fleet**

**Articles**

Schoellhamer's Reduced suspended sediment in the Bay

Cloern's latest: phytoplankton trends linked to ocean processes, nutrients

WERF Mercury Study

Personal Choices and Water Quality

Mothball Fleet Study

Endocrine disruption

Nanoparticles

RMP Planning Developments (e.g., Master Plan)

**ANTICIPATED MAJOR PRODUCTS**

	2009	2010	2011	2012
RMP	<ul style="list-style-type: none"> <li>▪ Multibox PCB Model</li> <li>▪ PFCs</li> <li>▪ Alternative Flame Retardants</li> <li>▪ Methylmercury mass budget</li> <li>▪ Endocrine Disruption in Fish (3 Year Summary)</li> <li>▪</li> </ul>	<ul style="list-style-type: none"> <li>▪ Sediment Core Report</li> <li>▪ High Leverage Mercury Pathways (2 Year Summary)</li> <li>▪ PAH Effects on Fish (2 Year Summary)</li> <li>▪ Mercury and Selenium in Terns</li> <li>▪ Guadalupe Model</li> <li>▪ Zone 4 Loading (2 Year Summary)</li> <li>▪ Wastewater Pollutants of Concern</li> </ul>	<ul style="list-style-type: none"> <li>▪ Big Report on Small Fish (3 Year Summary)</li> <li>▪ Selenium TMDL?</li> </ul>	<ul style="list-style-type: none"> <li>▪</li> </ul>
OTHE R	<ul style="list-style-type: none"> <li>▪ Petaluma Report</li> <li>▪ South Baylands Mercury Work</li> </ul>	<ul style="list-style-type: none"> <li>▪ WERF</li> <li>▪ Prop 13 Lebednik</li> <li>▪ Prop 40/50 Siegel</li> </ul>	<ul style="list-style-type: none"> <li>▪ XX</li> </ul>	<ul style="list-style-type: none"> <li>▪ XX</li> </ul>

### 1. MULTI-YEAR PLAN

Year	2009	2010	2011			
Theme						
Management Articles	<ul style="list-style-type: none"> <li>▪ xx</li> </ul>	<ul style="list-style-type: none"> <li>▪ xx</li> <li>▪ Xx</li> <li>▪</li> </ul>	<ul style="list-style-type: none"> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪</li> </ul>	▪	▪	▪
Feature Articles	<ul style="list-style-type: none"> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪</li> </ul>	<ul style="list-style-type: none"> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪</li> </ul>	<ul style="list-style-type: none"> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪ Xx</li> <li>▪</li> </ul>	▪	▪	▪

**PULSES PAST**

Year	2003	2004	2005	2006	2007	2008
Theme				(PCBs)	35 <sup>th</sup> Anniversary of the Clean Water Act	Mercury
Management Articles	<ul style="list-style-type: none"> <li>The Current Status of Bay TMDLs – Whyte</li> </ul>	<ul style="list-style-type: none"> <li>Adaptive Implementation of the TMDL – the Mercury Example - Mumley</li> <li>Using Conceptual Models to Address High Priority Pollutants – Connor</li> <li>A Regional Board Perspective on the RMP: Ten Years of Benefits and Challenges for the Future – Taberski</li> </ul>	<ul style="list-style-type: none"> <li>Adapting the Regional Monitoring Program to Answer the Important Questions - Hoenicke</li> <li>Update on TMDLs from the Water Board - Whyte</li> </ul>	<ul style="list-style-type: none"> <li>Water Board Update on TMDLs and Water Quality Objectives</li> </ul>	<ul style="list-style-type: none"> <li>A Perspective on the 35<sup>th</sup> Anniversary of the Clean Water Act - Strauss</li> <li>The History of Municipal Wastewater Treatment: 35 Years of POTWs Protecting the Bay - Krieger</li> <li>Refinery Environmental Performance Over the Past 20 Years - DeShields</li> <li>The Regulatory State of the Bay: A Status and Trends Review – Mumley</li> </ul>	<ul style="list-style-type: none"> <li>Dredging and Sediment Management in San Francisco Bay - Delaney</li> <li>RMP Planning: The RMP Mercury Strategy – Davis</li> </ul>
Feature Articles	<ul style="list-style-type: none"> <li>Lessons from Monitoring Water Quality in San Francisco Bay – Cloern</li> <li>Sediment Dynamics Drive Contaminant Dynamics - Schoellhamer</li> <li>Ten Years of Testing for the Effects of Estuary Contamination – Anderson</li> <li>Ten Years of Pilot and Special Studies: Keys to the Success of the RMP - Davis</li> </ul>	<ul style="list-style-type: none"> <li>Long-term Trends in Metal Contamination in San Francisco Bay Water and Sediment - Flegal</li> <li>Lessons Learned About Metals in the Estuary: The Importance of Long-term Clam Accumulation Data - Brown</li> <li>In Pursuit of Urban Runoff in the Urbanized Estuary - Davis</li> <li>The San Francisco Bay Water Quality Index: A Tool to Communicate Progress Toward Reaching Environmental Standards - Pawley</li> </ul>	<ul style="list-style-type: none"> <li>Polybrominated Diphenyl Ether (PBDE) Flame Retardants in San Francisco Bay - Oros</li> <li>The Legacy of Organochlorine Pesticides in San Francisco Bay - Werme</li> <li>The Surface Water Ambient Monitoring Program (SWAMP) in the San Francisco Bay Area - Taberski</li> <li>Bay Sediment Budgets: Sediment Accounting 101 - Schoellhamer</li> <li>The CALFED Bay-Delta Program: A Major Investment in Improving Water Quality in the Estuary - Podger</li> <li>Water Quality Concerns Related To The South Bay Salt Pond Restoration Project - Davis</li> </ul>	<ul style="list-style-type: none"> <li>PCBs in San Francisco Bay</li> <li>PCBs in Urban Watersheds—A Challenge for TMDL Implementation</li> <li>What is Causing the Phytoplankton Increase in San Francisco Bay?</li> <li>Pyrethroid Insecticides in the Estuary—Solution or New Threat?</li> </ul>	<ul style="list-style-type: none"> <li>The State of the Bay: Water Quality - Davis</li> <li>Trash in San Francisco Bay Area Urban Creeks – Sources, Pathways, Assessments, and Control Measures - Sommers</li> <li>Copper in the Bay: Better Management Through Improved Scientific Understanding - Yee</li> </ul>	<ul style="list-style-type: none"> <li>Effects of Mercury on Bay Birds – Eagles-Smith</li> <li>Mercury in Biosentinel Fish in the Northern Estuary - Slotton</li> <li>Advances in Understanding of Pollutant Loads to the Bay - McKee</li> </ul>