

1. MULTI-YEAR PLAN

Year	2009	2010	2011			
Theme	Sediment					
Management Articles	<ul style="list-style-type: none"> ▪ Sediment Quality Objectives ▪ Sediment Use in Habitat Restoration ▪ 	<ul style="list-style-type: none"> ▪ xx ▪ Xx ▪ 	<ul style="list-style-type: none"> ▪ Xx ▪ Xx ▪ Xx ▪ 	▪	▪	▪
Feature Articles	<ul style="list-style-type: none"> ▪ Decreasing Suspended Sediment ▪ Erosion and Deposition ▪ Sediment Core Study 	<ul style="list-style-type: none"> ▪ Xx ▪ Xx ▪ Xx ▪ 	<ul style="list-style-type: none"> ▪ Xx ▪ Xx ▪ Xx ▪ 	▪	▪	▪
Sidebar s	<ul style="list-style-type: none"> ▪ Mothball Fleet 	▪	▪	▪	▪	▪
Backup Ideas for Articles	<ul style="list-style-type: none"> ▪ Sediment Fate and Transport ▪ Contamination on the Bay Margin ▪ Sediment Budget 	▪	▪	▪	▪	▪

POTENTIAL THEMES OR ARTICLES FOR FUTURE PULSES**Themes (and Potential Articles)**

	VOTES RECEIVED AT 2008 ANNUAL MEETING
1) Emerging Contaminants and Green Chemistry: Green Chemistry Initiative; fluorinated stain repellents (PFOS); flame retardants (PBDEs and replacements); pyrethroids; endocrine disruptors; personal choices and water quality; nanoparticles	67
2) Wetland Restoration: summary of activities and benefits; marsh mercury studies (Petaluma, South Bay Salt Pond Monitoring)	32
3) Bay Water Quality and Human Health: Beneficial uses (contact recreation, fishing, shellfish harvesting); sport fish monitoring (RMP, SWAMP)	42
4) Pollutant Pathways to the Bay: dredging and dredged material disposal; urban runoff; industrial effluents; POTWs; atmospheric deposition	73
5) Urban Runoff: MRP, Lester's Prop 13 Project, Zone 4, Guadalupe model, pollution prevention and source control	
6) POTW Issues: Aging infrastructure, nutrients, phytoplankton, pathogens, emerging contaminants, pollution prevention and source control, watershed permit, WERF mercury study	
7) Dredging/port issues: PAH effects on fish, creosote study, dioxin, sediment supply trends	
8) Industrial Discharge Issues: selenium, dioxin, PAHs	
9) Ecological Health of the Bay ("write-in candidate from the Annual Meeting)	19
10) Coordinating with the Delta RMP and Other Programs ("write-in candidate from the Annual Meeting)	26
11)	

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)
- **Dioxin**
- **Cyanide**

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

Article Ideas

Schoellhamer’s Reduced suspended sediment in the Bay	Nanoparticles
Cloern’s latest: phytoplankton trends linked to ocean processes, nutrients	RMP Planning Developments (e.g., Master Plan)
WERF Mercury Study	
Personal Choices and Water Quality	
Mothball Fleet Study	
Endocrine disruption	

ANTICIPATED MAJOR PRODUCTS

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

PULSES PAST

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