

Draft Agenda: Making Science Work for Suisun Marsh

1st Floor Auditorium
Employment Development Department Building
722 Capitol Mall, Sacramento, CA

Day 1: March 1, 2004

Introduction and Context

- 09:00 **John Conomos** (BDSC), Welcome
- 09:10 **Laurie Briden** (DFG), The Suisun Marsh; current conditions, general operations, atlas, and adjacent land use trends.
- 09:40 **Robin Grossinger** (SFEI), What does the history of Suisun Marsh tell us about its future management?
- 10:10 **Pete Chadwick** (DFG, emeritus), Policy history
- 10:30 **BREAK**
- 10:45 **Victor Pacheco** (DWR), Current status
- 11:00 **Zach Hymanson** (CBDA), Conceptual models
- 11:15 **Frank Wernette** (DFG), Facilitated discussion
- 11:45 **LUNCH BREAK (4th Floor Cafeteria)**

Physical Processes

- 12:30 **Frances Malamud-Roam** (UCB), A 2500-year paleosalinity record from Rush Ranch in Suisun marsh in the San Francisco Bay estuary
- 12:50 **Jon Burau** (USGS), Transport in Suisun Marsh - Why do we care and what do we know?
- 13:10 **Chris Enright** (DWR), Long-term trends and variability of Suisun Bay and Marsh salinity
- 13:30 **Dave Schoellhamer** (USGS), Lessons from studies in similar systems
- 13:50 **Steve Culberson** (DWR), Suisun Marsh geomorphologic process, ecosystem function, and contemporary management practices
- 14:10 **BREAK**

Day 1 (Continued)

- 14:30 **Roger Fujii, Brian Bergamaschi, Jacob Fleck, Steve Deverel, and Karen Burow** (USGS), Dissolved organic carbon in the Delta: loads and quality from agricultural operations and wetlands
- 14:50 **Mike Dettinger** (USGS), Climate change and runoff; predictions for the next century
- 15:10 **Chris Enright and Steve Culberson** (DWR), Presentation of conceptual models
- 15:40 **Zach Hymanson** (CBDA), Facilitated discussion
- 17:00 **SOCIAL**

Day 2: March 2, 2004

Aquatic Ecology

- 8:30 **Peter Moyle** (UCD), Introduction
- 8:35 **Anke Mueller-Solger** (DWR), The base of the aquatic food web in Suisun Marsh
- 8:55 **Robert Schroeter** (UCD), Aquatic invertebrates of Suisun Marsh sloughs
- 9:15 **Peter Moyle** (UCD), Fishes of Suisun Marsh
- 9:35 **Natalia (Tasha) Belfiore** (UCB), Otters: the charismatic predator of Suisun Marsh
- 9:45 **BREAK**

Terrestrial Ecology

- 10:00 **Frank Wernette** (DFG), Sub-section introduction
- 10:02 **Todd Keeler-Wolf** (DFG), Vegetative composition of Suisun Marsh and some of its rare plants
- 10:15 **Josh Ackerman** (UCD), Wintering and breeding waterfowl of Suisun Marsh
- 10:30 **Mark Petrie** (DU), Waterfowl food habits and current role of Suisun Marsh in the Pacific Flyway
- 10:45 **Jules Evens** (ARA), Rails and large wading birds of Suisun Marsh
- 11:00 **Nadav Nur** (PRBO), Songbirds and shorebirds of Suisun Marsh
- 11:15 **Diego Sustaita** (CSUN), Suisun Marsh mammals; emphasizing the salt marsh harvest mouse

Day 2 (Continued)

- 11:30 **Group presentation**, Food Webs, limiting factors, and ecosystem structures: conceptual models for Suisun Marsh
- 11:45 **Frank Wernette** (DFG), Facilitated discussion
- 12:30 **LUNCH BREAK**

Applied Resource Management: Managed Wetland and Tidal Marsh Restoration

- 13:15 **Steven Chappell** (SRCDD), Managed wetlands seasonal operation and habitat management goals. Constraints and opportunities in wetland management.
- 13:30 **Victor Pacheco** (DWR), Suisun Marsh water management infrastructure
- 13:45 **Stuart Siegel** (WWR), Conceptual model, goals, and site factors for tidal marsh restoration in Suisun Marsh
- 14:10 **Chris Enright** (DWR), Regional effects of tidal marsh restoration in Suisun Marsh – salinity, tidal prism, and levees.
- 14:30 **John Takekawa** (USGS), Managed ponds vs. tidal marsh: a comparison of waterbirds in S.F. Bay and salt ponds.
- 14:45 **BREAK**
- 15:00 **Mary Selkirk** (CCP), Facilitated discussion
- 16:00 **John Conomos** (BDSC), Resource management needs, interdisciplinary studies, workshop closure
- 16:45 **End**

Acronyms

ARA – Avocet Research Associates
BDSC - Bay-Delta Science Consortium
CBDA – California Bay-Delta Authority
CCP – Center for Collaborative Policy
CSUN – California State University, Northridge
DFG – Department of Fish and Game (California)
DU – Ducks Unlimited
DWR – Department of Water Resources (California)
PRBO – Point Reyes Bird Observatory Conservation Science
UCB – University of California, Berkeley
UCD – University of California, Davis
SFEI – San Francisco Estuary Institute
SRCDD – Suisun Resource Conservation District
USGS – United States Geological Survey
WWR – Wetlands and Water Resources