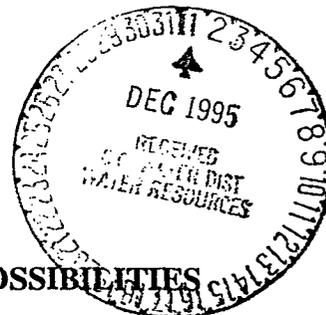




BAY-DELTA
Modeling Forum

BAY-DELTA MODELING FORUM

c/o San Francisco Estuary Institute
180 Richmond Field Station
1325 South 46th Street
Richmond, CA 94804



BIOLOGICAL MODELS: CURRENT STATUS AND POSSIBILITIES

December 12, 1995
9:00am - 5:00pm

Contra Costa Water District
1331 Concord Avenue, Concord

OBJECTIVES

- To describe the current status of modeling of biological issues
- To clarify the capabilities and limitations of biological models, particularly in contrast to models of estuarine physics
- To determine where efforts might be most fruitful in the near future

TENTATIVE AGENDA

9:00	Wim Kimmerer (SFSU)	Introduction: goals for the day, and what do we mean by modeling?
9:30	Randy Brown (DWR)	Why do managers want models?
10:00	Sam Williamson (NBS)	Modeling salmon smolt production on the Trinity River
10:30	Loo Botsford (UCD)	Population modeling of threatened species in the Central Valley and Columbia watersheds
11:00	Jim Cowan (Alabama)	Striped bass model of the Sacramento-San Joaquin Estuary
11:30	Jim Quinn (UCD)	Tracking striped bass distributions through the delta using a model
12:00	Tom Powell (UCB)	Future directions for ecological modeling in the (coastal) ocean: programs where both "the physics" and "the biology" matter.
12:30	Lunch	

- 1:30 Lisa Lucas (Stanford) Numerical modeling of coupling between hydrodynamics and phytoplankton in south San Francisco Bay
- 2:00 Wim Kimmerer The other end of the spectrum: empirical modeling of the "fish-X2" relationships
- 2:30 Discussion: What are the limitations on further development of models of biological systems? This will be a panel discussion with all speakers as panelists.
- 3:00 Breakout session: What modeling efforts might prove fruitful over the next 5-10 years in the following areas (or others):
 Mechanistic modeling of fish or other populations
 Survival modeling of threatened species
 Ecosystem modeling
 Energy flow or material cycling
- 4:00 Reconvene for reports of breakout groups and discussion
- 5:00 Adjourn

COST FOR WORKSHOP: \$Free for BDMF Members
 \$30 for Non-Members (Please plan to pay by check)

For more information contact:

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