



For ordering information [CLICK HERE](#)  
or call the Pacific Division office, 541-552-6869.  
To download a PDF copy of this publication, [CLICK HERE](#).

Table of Contents

***SAN FRANCISCO BAY: USE and PROTECTION***

Edited by

William J. Kockelman, T. John Conomos,  
and Alan E. Leviton

FOREWORD, *Alan E. Leviton* .....5

INTRODUCTION, *William J. Kockelman* .....7

KEYNOTE, Man’s Effects on Estuarine Shorelines—New York Harbor, A  
Case Study, *M. Grant Gross* .....9

IN RETROSPECT, The San Francisco Bay Ecosystem: A Retrospective Overview,  
*Curtiss O. Davis* .....17

SESSION I: THE SHORE ZONE

Problems of Permit Processing in the San Francisco Bay Area,  
*Michael H. Cheney* .....39

Improved Coordination for Planning and Granting Permits in Coastal Areas,  
*H. Grant Dehart and Michael Glazer* .....43

Physical and Biological Constraints on Man’s Use of the Shore Zone of the  
San Francisco Bay Estuary, *Michael N. Josselyn and Brian F. Atwater* .....57

Regional Planning for San Francisco Bay—An Experiment in Coastal Zone  
Management, *Jack Knecht and Stanley R. Euston* .....85

Bay Conservation and Development Commission’s Experience in  
Shoreline Management: Problems and Opportunities, *Michael B. Wilmar* .....99

Protecting Suisun Marsh—85,000 Acres of Aquatic and Wildlife Habitat,  
*William J. Kockelman and Jeffrey S. Blanchfield* .....109

Shoreline Management: Use of a Different Criterion, *Joseph E. Tieger* .....117

Discussion for Session I, <i>William J. Kockelman, Chair</i> .....	121
 SESSION II: WASTE DISPOSAL	
Water and Waste Inputs to San Francisco Estuary—An Historical Perspective, <i>Peter P. Russell, Taras A. Bursztynsky, Lorene A. Jackson, and Eugene Y. Leong</i> .....	127
The Impact of Waste-Water Discharge on Biological Communities in San Francisco Bay, <i>S.N. Luoma and J.E. Cloern</i> .....	137
The Impact of Waste-Water Disposal in the San Francisco Bay Area, <i>Philip G. Hal</i> ...	161
Discussion for Session II, <i>Jean Auer, Chair</i> .....	163
 SESSION III: DIVERSIONS AND DRAINS	
A History of Diversions, <i>Gerald H. Meral</i> .....	165
The Expanding California Water System, <i>Richard Walker and Michael Storper</i> .....	171
The Fable of the Old Man and the Water King, <i>William J. Miller</i> .....	191
Increased Diversions from the Sacramento-San Joaquin Delta/San Francisco Bay System: A Prescription for Environmental Disaster, <i>Thomas J. Graff</i> .....	197
Factors Related to the Number of Striped Bass in the Sacramento-San Joaquin Estuary, <i>Thomas C. Cannon</i> .....	201
Biological Effects of Water Projects on the Sacramento-San Joaquin Estuary, <i>H.K. Chadwick</i> .....	215

Solving the Delta Problem, <i>Don W. Kelley</i> .....	221
Discussion for Session III, <i>Erwin Siebel, Chair</i> .....	227
 SESSION IV: SHIP CHANNELS	
Overview of the Port of Oakland's Development as a Container Terminal: 1965 to 1980, <i>Charles R. Roberts</i> .....	231
Analysis of Petroleum Terminals in the San Francisco Bay Region, <i>San Francisco Bay Conservation and Development Commission</i> .....	235
Dredging, <i>Michael J. Giari</i> .....	243
A Method for Assessing the Potential Impacts of Discharges of Dredged Material into San Francisco Bay, <i>Calvin C. Fong, Karen L. Daniels, and Wendy W. N. Lee</i> .....	259
Sediment Circulation in San Francisco Bay, <i>John f. Sustar</i> .....	271
Discussion for Session IV, <i>John F. Sustar, Chair</i> .....	281
 SUMMARY, <i>T. John Conomos</i> .....	285
APPENDIX, Excerpts from the San Francisco Bay Conservation and Development Commission "Bay Plan" .....	287

ISBN 0-934394-04-0;1982, paper, 310pp. \$17.95