

1. Record Nr.	UNINA9910792090203321
Titolo	Ecology, conservation, and restoration of tidal marshes [[electronic resource]] : the San Francisco estuary / / edited by Arnas Palaima
Pubbl/distr/stampa	Berkeley, : University of California Press, c2012
ISBN	1-283-59445-5 9786613906908 0-520-95401-7
Descrizione fisica	1 online resource (289 p.)
Collana	A Stephen Bechtel fund book in ecology and the environment
Altri autori (Persone)	PalaimaArnas
Disciplina	333.7309794/6
Soggetti	Wetlands - California - San Francisco Bay Area Estuaries - California - San Francisco Bay Area Ecology - California - San Francisco Bay Area San Francisco Bay Watershed (Calif.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Contributors -- Foreword: Some Thoughts On San Francisco Bay And Its Wetlands -- Preface And Acknowledgments -- 1. Diverse Perspectives On Tidal Marshes: An Introduction -- 2. Historical Formation -- 3. Geomorphology, Hydrology, And Tidal Influences -- 4. Pollution: Persistent Organic Contaminants And Trace Metals -- 5. Pollution: Emerging Contaminants -- 6. Tidal Marshes In The Context Of Climate Change -- 7. Tidal Vegetation: Spatial And Temp Oral Dynamics -- 8. Tidal Wetland Vegetation And Ecotone Profiles: The Rush Ranch Open Space Preserve -- 9. Invertebrates: Past And Current Invasions -- 10. Invertebrates: A Case Study Of China Camp State Park, Marin County -- 11. Fishes -- 12. Bird Comm Unities: Effects Of Fragmentation, Disturbance, And Sea Level Rise On Population Viability -- 13. Small Mammals -- 14. Ecosystem Services -- 15. Policy: Achievements And Challenges -- 16. Research Reserves As A Model For Conservation Science And Management Of Tidal Marshes -- 17. Natural And Restored Tidal Marsh Comm Unities -- 18. Current Issues In Tidal Marsh Restoration -- Index

The San Francisco Bay, the biggest estuary on the west coast of North America, was once surrounded by an almost unbroken chain of tidal wetlands, a fecund sieve of ecosystems connecting the land and the Bay. Today, most of these wetlands have disappeared under the demands of coastal development, and those that remain cling precariously to a drastically altered coastline. This volume is a collaborative effort of nearly 40 scholars in which the wealth of scientific knowledge available on tidal wetlands of the San Francisco Estuary is summarized and integrated. This book addresses issues of taxonomy, geomorphology, toxicology, the impact of climate change, ecosystem services, public policy, and conservation, and it is an essential resource for ecologists, environmental scientists, coastal policymakers, and researchers interested in estuaries and conserving and restoring coastal wetlands around the world.
