

1. Record Nr.	UNINA9910789351503321
Titolo	Sea-level rise for the coasts of California, Oregon, and Washington : past, present, and future // Committee on Sea Level Rise in California, Oregon, and Washington, Board on Earth Sciences and Resources and Ocean Studies Board, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, District of Columbia : , : The National Academies Press, , [2012] ©2012
ISBN	0-309-25597-X 0-309-25595-3
Descrizione fisica	1 online resource (215 p.)
Soggetti	Sea level - California Climatic changes - California Coast changes - California Sea level - Oregon Climatic changes - Oregon Coast changes - Oregon Sea level - Washington Climatic changes - Washington Coast changes - Washington
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.
Nota di contenuto	Front Matter; Preface; Acknowledgments; Contents; Summary; 1 Introduction; 2 Measured Global Sea-Level Rise; 3 Contributions to Global Sea-Level Rise; 4 Sea-Level Variability and Change off the California, Oregon, and Washington Coasts; 5 Projections of Sea-Level Change; 6 Responses of the Natural Shoreline to Sea-Level Rise; References; Appendix A: Vertical Land Motion and Sea-Level Data Along the West Coast of the United States; Appendix B: Sea-Level Rise in the Northeast Pacific Ocean; Appendix C: Analysis of Sea-Level Fingerprint Effects

Appendix D: Long-Term Tide Gage Stability From Leveling Data
Appendix E: Cryosphere Extrapolations; Appendix F: Biographical
Sketches of Committee Members; Appendix G: Acronyms and
Abbreviations

Sommario/riassunto

"Tide gages show that global sea level has risen about 7 inches during the 20th century, and recent satellite data show that the rate of sea-level rise is accelerating. As Earth warms, sea levels are rising mainly because ocean water expands as it warms; and water from melting glaciers and ice sheets is flowing into the ocean. Sea-level rise poses enormous risks to the valuable infrastructure, development, and wetlands that line much of the 1,600 mile shoreline of California, Oregon, and Washington. As those states seek to incorporate projections of sea-level rise into coastal planning, they asked the National Research Council to make independent projections of sea-level rise along their coasts for the years 2030, 2050, and 2100, taking into account regional factors that affect sea level."--Publisher's description.
