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Nota di contenuto	Frontmatter -- Contents -- Preface -- Acknowledgments -- Part One. Introduction to Humans and Coasts -- 1. Human Settlement of the Coastal Zone -- Part Two. Natural Processes and Hazards Affecting Coastal Regions -- 2. Coastal Tectonics and Hazards -- 3. Tropical Cyclones, Hurricanes, and Typhoons -- 4. Storms, Waves, Coastal Erosion, and Shoreline Retreat -- 5. Climate Change and Sea-Level Rise -- Part Three. Impacts of Human Activities on Coasts -- 6. Marine Pollution -- 7. Plastic and Marine Debris -- 8. Petroleum and the Coastal Zone -- 9. Coastal Power Plants -- 10. Renewable Energy from the Coastal Zone -- 11. Groundwater and Petroleum Withdrawal: Subsidence and Seawater Intrusion -- 12. Desalination: Fresh Water from the Ocean -- 13. Carbon Dioxide, Climate Change, and Ocean Acidification -- 14. Coral Reefs and Threats to Their Health and Survival -- 15. Fishing, Overfishing, and Aquaculture -- 16. Aquatic Invasive Species -- 17. Sand, Dams, and Beaches -- Index
Sommario/riassunto	Coastal regions around the world have become increasingly crowded, intensively developed, and severely exploited. Hundreds of millions of people living in these low-lying areas are subject to short-term coastal

hazards such as cyclones, hurricanes, and destruction due to El Niño, and are also exposed to the long-term threat of global sea-level rise. These massive concentrations of people expose often-fragile coastal environments to the runoff and pollution from municipal, industrial, and agricultural sources as well as the impacts of resource exploitation and a wide range of other human impacts. Can environmental impacts be reduced or mitigated and can coastal regions adapt to natural hazards? *Coasts in Crisis* is a comprehensive assessment of the impacts that the human population is having on the coastal zone globally and the diverse ways in which coastal hazards impact human settlement and development. Gary Griggs provides a concise overview of the individual hazards, risks, and issues threatening the coastal zone.

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