

1. Record Nr.	UNINA9910453311303321
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Titolo	Beyond the moon [[electronic resource]] : a conversational common sense guide to understanding the tides / / James Greig McCully
Pubbl/distr/stampa	New Jersey, : World Scientific, c2006
ISBN	1-281-91939-X 9786611919399 981-277-433-5
Descrizione fisica	1 online resource (304 p.)
Disciplina	551.46/4
Soggetti	Tides Electronic books. Moon Popular works
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 (p. 271-279) and index.
Nota di contenuto	Preface; Acknowledgments; Contents; Chapter One The Tides in History. The Challenge of Understanding the Tides on Earth; Chapter Two One Moon - Two Tides; Chapter Three The Lunar Orbit; Chapter Four The Solar Influences and Solar-Lunar Interaction; Chapter Five Celestial Harmonics; Chapter Six The Coriolis Force and Oceanic Amphidromes. Coastal Kelvin Waves. Tidal Currents. Sea Level; Chapter Seven The Seiche Effect and Basins of Oscillation. Tidal Intermixing; Chapter Eight Coastal Geography and Near Shore Topography, Resonant Co-Oscillation, Sustained Forcing Chapter Nine Shallow Estuaries and Tidal BoresChapter Ten Computation of the Tide-Tables and Chaos Theory; Chapter Eleven The Weather and the Tides. Atmospheric Tides; Chapter Twelve The Tides and Saltwater Fishing; Chapter Thirteen The Constituents of the Tides on Earth. Synopsis of Tidal Influences; Chapter Fourteen Epilogue; Practical Definitions; Bibliography; Index
Sommario/riassunto	Finally, someone has written a comprehensive, easily readable explanation of the tides on earth that is both simple enough for students and solid enough for their professors. Step by step, by analogy and illustration, Beyond the Moon describes how the cyclical

motion of the near solar system is impressed upon the earth's oceans, and how the hydraulics over the continental shelf and the geography of the coastline orchestrate this rhythm into the bewildering variety of tide patterns seen around the globe. This volume demystifies the complexity of the tides by systematically examining its many co
