

1. Record Nr.	UNINA9910830026603321
Titolo	Seamounts [[electronic resource]] : ecology, fisheries & conservation / / edited by Tony J. Pitcher ... [et al.]
Pubbl/distr/stampa	Oxford ; ; Ames, Iowa, : Blackwell Pub., 2007
ISBN	1-281-31895-7 9786611318956 0-470-69195-6 0-470-69126-3
Descrizione fisica	1 online resource (553 p.)
Collana	Fish and aquatic resources series ; ; 12
Altri autori (Persone)	PitcherT. J
Disciplina	577.7
Soggetti	Seamounts
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 indexes.
Nota di contenuto	Seamounts: Ecology, Fisheries & Conservation; Contents; List of Contributors; Series Editors Foreword; Preface; Publisher's Acknowledgement; Acknowledgements; Part I Introduction and Characterization of Seamounts; 1 Seamount characteristics; 2 How many seamounts are there and where are they located?; 3 A history of seamount research; Part II Biophysical coupling on seamounts; 4 Physical processes and seamount productivity; 5 Seamount plankton dynamics; 6 Midwater fish assemblages and seamounts; Part III Biology and ecology of seamount organisms; 7 Seamount benthos; 8 Corals on seamounts 9 Seamount fishes: ecology and life histories10 Fish visitors to seamounts; Section A: Tunas and billfish at seamounts; Section B: Aggregations of large pelagic sharks above seamounts; 11 Seamounts and cephalopods; 12 Air-breathing visitors to seamounts; Section A: Marine mammals; Section B: Sea turtles; Section C: Importance of seamounts to seabirds; Part IV Synoptic views of seamounts; 13 Biogeography and biodiversity of seamounts; 14 Raiding the larder: a quantitative evaluation framework and trophic signature for seamount food webs; 15 Modelling seamount ecosystems and their fisheries Part V Exploitation, management and conservation16 Small-scale fishing on seamounts; 17 Large-scale distant-water trawl fisheries on

seamounts; 18 Catches from world seamount fisheries; 19 Impacts of fisheries on seamounts; 20 Management and conservation of seamounts; 21 The depths of ignorance: an ecosystem evaluation framework for seamount ecology, fisheries and conservation; Glossary; Subject Index; Author index; Species index

Sommario/riassunto

Seamounts are ubiquitous undersea mountains rising from the ocean seafloor that do not reach the surface. There are likely many hundreds of thousands of seamounts, they are usually formed from volcanoes in the deep sea and are defined by oceanographers as independent features that rise to at least 0.5 km above the seafloor, although smaller features may have the same origin. This book follows a logical progression from geological and physical processes, ecology, biology and biogeography, to exploitation, management and conservation concerns. In 21 Chapters written by 57 of the world's
