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Nota di contenuto	Preface -- Physical and chemical characterization of inland waters -- Biodiversity in inland waters -- Physico-chemical characterization of Mexican coastal lagoons, current status and future environmental scenarios -- Microbiota in brackish ecosystems, from water quality to ecological processes -- Biodiversity associated with southern Mexican Pacific coral systems -- Fry fish stockings in aquatic epicontinental systems; the production policy -- Tuna fisheries and global warming in Mexico -- Fishery resource management challenges facing climate

change -- Emerging aquatic alien species and challenges for Mexican fisheries in the extended Gulf of Mexico Basin -- HAB'S (Harmful Algal Blooms) analysis, their cost and ecological consequences -- Aquatic protected areas their ecological and social problems and the importance in fisheries yield -- Index.

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Sommario/riassunto

Pursuing a multidisciplinary approach, this book highlights current challenges in, and potential solutions to, environmental water management in Mexico. It includes an essential review of current literature and state of the art research, providing a one-stop resource for researchers, graduate students and environmental water managers alike. The result of a cooperation between 35 researchers from seven Mexican academic institutions, two Federal Commissions and one international organization, the book links science to practice for living organisms and their environment, while also addressing anthropogenic effects on our water ecosystems. Particularly the book addresses the following subjects: Biodiversity in inland waters, physical and chemical characterization of inland waters, physico-chemical characterization of Mexican coastal lagoons, microbiota in brackish ecosystems, diversity associated with southern Mexico's pacific coral reefs, fry fish stockings in aquatic epicontinental systems, a review of tuna fisheries in Mexico, fishery resource management challenges stemming from climate change, aquatic invasive alien species, harmful algal blooms, and aquatic protected areas, related ecological and social problems and the importance for fisheries' yield. .

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