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Nota di contenuto	pt. I. Limnology and ecology of inland waters -- Overview of Inland Aquatic Ecosystems and Their General Characteristics. -- Lakes and Reservoirs as Ecosystems. -- Physical Processes and Circulation in Lakes and Reservoirs. -- Rivers as Ecosystems. Estuaries and Coastal Lagoons as Ecosystems. -- Wetlands. Tropical Freshwater Ecosystems. -- Freshwater Temperate Lakes and Reservoirs. -- Application of the Conservation Principles. -- Application of Aquatic Chemistry in Environmental Management I: Calculations of Equilibria. -- Application of Aquatic Chemistry in Environmental Management II: Equilibrium Calculations of the Four Types of Reactions. -- Future of Limnology and Aquatic Ecology as a Tool for Management of Inland Waters. -- pt. II. Holistic, environmental and ecological management -- Impacts on Watersheds and Inland Aquatic Ecosystems. -- Integrated Ecological and Environmental Management. -- Application of Environmental Technology in the Environmental and Ecological Management. -- Application of Cleaner Technology in Environmental and Ecological Management. -- Application of Ecotechnology in Ecosystem Management of Inland Waters. -- Application of Ecological Indicators in

Environmental Management of Freshwater Ecosystems. -- Application of Ecological Models in Management of Aquatic Inland Ecosystems.

Sommario/riassunto

Combining background knowledge and practical tools, Handbook of Inland Aquatic Ecosystem Management gives you an overview of how to manage inland waters in a holistic manner. It examines the problems that threaten aquatic inland water ecosystems and presents a set of toolboxes for solving them. The book focuses on lakes, reservoirs, ponds, rivers, wetlands, lagoons, and estuaries, including the predominant freshwater ecosystems as well as saline and brackish ecosystems.