

1. Record Nr.	UNISA996213202403316
Titolo	Lake restoration and rehabilitation [[electronic resource] /] / edited by P.E. O'Sullivan and C.S. Reynolds
Pubbl/distr/stampa	Oxford, : Blackwell Science, c2004
ISBN	1-280-74775-7 9786610747757 0-470-75050-2 1-4051-4110-7
Descrizione fisica	1 online resource (570 p.)
Collana	Lakes handbook ; ; v.1
Altri autori (Persone)	O'SullivanP. E (Patrick E.) ReynoldsColin S
Disciplina	551.482
Soggetti	Limnology Lake ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published: 2003.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Lakes Handbook; Contents; List of Contributors; Part I General Issues; 1 On the Value of Lakes; 2 The Assault on the Quality and Value of Lakes; Part II Regional Studies; 3 The North American Great Lakes: a Laurentian Great Lakes Focus; 4 Lake Washington; 5 Lakes of Northern Europe; 6 European Alpine Lakes; 7 Lake Baikal and other Great Lakes of Asia; 8 Lakes in Arid Environments; 9 Floodplain Lakes and Reservoirs in Tropical and Subtropical South America:Limnology and Human Impacts; Part III Human Impact on Specific Lake Types; 10 Eutrophication of Shallow Temperate Lakes 11 Eutrophication of Shallow Tropical Lakes12 Reservoirs and other Artificial Water Bodies; Part IV Lake and Catchment Models; 13 The Export Coefficient Approach to Prediction of Nutrient Loadings: Errors and Uncertainties in the British Experience; 14 The Phosphorus Loading Concept and the OECD Eutrophication Programme: Origin, Application and Capabilities; 15 Models of Lakes and Reservoirs; 16 The Assessment, Management and Reversal of Eutrophication; 17 Biomanipulation in Shallow Lakes: Concepts,Case Studies and Perspectives; 18 Restoring Acidified Lakes:an Overview

Part V Legal Frameworks 19 The Framework for Managing Lakes in the USA; 20 Nordic Lakes & Water Legislation with Respect to Lakes in Finland and Sweden; 21 The Problem of Rehabilitating Lakes and Wetlands in Developing Countries: the Case Example of East Africa; 22 South Africa & Towards Protecting our Lakes; Index

Sommario/riassunto

Continuing concern about water supply and quality, ecosystem sustainability and restoration demands that the modern approach to the management of lakes and reservoirs should be based on a sound understanding of the application of the scientific and ecological principles that underlie freshwater processes. The Lakes Handbook provides an up-to-date overview of the application of ecologically sound approaches, methods and tools using experience gained around the world for an understanding of lakes and their management. Volume one of the Handbook addresses the physical and biological aspect
