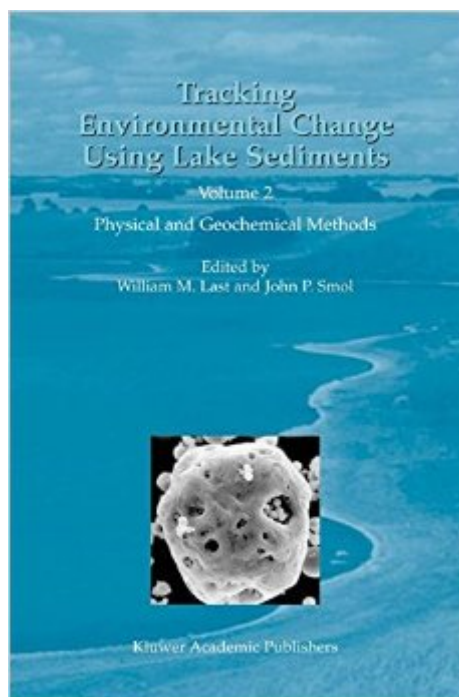


The book was found

# Tracking Environmental Change Using Lake Sediments: Volume 2: Physical And Geochemical Methods (Developments In Paleoenvironmental Research)



## Synopsis

Theory Instrumentation NIR analysis of sediment samples Uses of NIRS in palaeolimnology Future perspectives Summary References Fly-ash particles. Neil Rose 319 12. Introduction A brief history Methods of extraction and enumeration Temporal distribution Spatial distribution Source apportionment The future Summary Acknowledgements References Part III: Stable Isotope Techniques 13. Application of stable isotope techniques to inorganic and biogenic carbonates. Emi Ito 351 Introduction Nomenclature and systematics of lake-water Mg/Ca and Sr/Ca ratios of lake-water of dissolved inorganic carbon (DIC) Carbonates in lake-sediments Mollusks Ostracodes Charaphytes Isotope analysis Preparation of carbonate samples for isotope analysis Conclusions Summary Acknowledgments References 14. Carbon and oxygen isotope analysis of lake sediment cellulose: methods and applications. Brent B. Wolfe, Thomas W. D. Edwards, Richard J. Elgood & Kristina R. M. Beuning 373 xi Introduction Stable isotope tracers in lake Historical development Methods Key criteria for paleohydrologic reconstruction Applications Future research directions Summary Acknowledgements References Nitrogen isotopes in palaeolimnology. Michael R. Talbot 15. 401 Introduction Nitrogen in lakes: forms and distribution Nitrogen isotopes Nitrogen isotope studies in palaeolimnology: sampling and measurement Some examples Closing remarks Summary Acknowledgments References Glossary, acronyms and abbreviations 441 Index 493 xiii PREFACE The explosive growth of paleolimnology over the past two decades has provided impetus for the publication of this series of monographs detailing the numerous advances and new techniques being applied to the interpretation of lake histories. This is the second volume in the series and deals mainly with physical and geochemical analytical techniques.

## Book Information

Series: Developments in Paleoenvironmental Research (Book 2)

Hardcover: 504 pages

Publisher: Springer; 2001 edition (May 1, 2002)

Language: English

ISBN-10: 1402006284

ISBN-13: 978-1402006289

Product Dimensions: 6.1 x 1.2 x 9.2 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,271,081 in Books (See Top 100 in Books) #86 in Books > Science & Math

> Earth Sciences > Geology > Limnology #105 inÂ Books > Science & Math > Earth Sciences > Geology > Sedimentary #289 inÂ Books > Science & Math > Chemistry > Geochemistry

[Download to continue reading...](#)

Tracking Environmental Change Using Lake Sediments: Volume 2: Physical and Geochemical Methods (Developments in Paleoenvironmental Research) New methods and recent developments of the stereochemistry of ephedrine, pyrrolizidine, granatane and tropane alkaloids, (Recent developments in the chemistry of natural carbon compounds) Hydrology and Global Environmental Change (Understanding Global Environmental Change) Counterfactuals and Causal Inference: Methods and Principles for Social Research (Analytical Methods for Social Research) NFCT Map 8: Umbagog Lake to Rangeley Lake Case Study Research: Design and Methods (Applied Social Research Methods) Survey Research Methods (Applied Social Research Methods) Tracking Dog: Theory & Methods Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Global Environment: Water, Air, and Geochemical Cycles The Continental Crust: Its Composition and Evolution: An Examination of the Geochemical Record Preserved in Sedimentary Rocks Encyclopedia of Sediments and Sedimentary Rocks (Encyclopedia of Earth Sciences Series) Missouri Geology: Three Billion Years of Volcanoes, Seas, Sediments, and Erosion Sediments In Archaeological Context Animal-Sediment Relations: The Biogenic Alteration of Sediments (Topics in Geobiology) Microbial Sediments Lakeshore Living: Designing Lake Places and Communities in the Footprints of Environmental Writers Genetics of Subpolar Fish and Invertebrates (Developments in Environmental Biology of Fishes) An Introduction to Scientific Research Methods in Geography and Environmental Studies Change Your Habits Change Your Life: Break Your Bad Habits, Break Your Addictions And Live A Better Life (Change Your Life, Stop Smoking, Stop Drinking, Stop Gambling, Stop Overeating)

[Dmca](#)