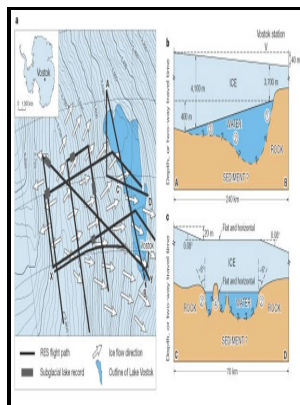


# Physical and biogeochemical processes in Antarctic lakes

**American Geophysical Union - Physical, chemical and biological processes in Lake Vostok and other Antarctic subglacial lakes**



Description: -

-  
Devon (England) -- Bibliography.  
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Biogeochemistry -- Antarctica.  
Limnology -- Antarctica. Physical and biogeochemical processes in Antarctic lakes

v. 59

Antarctic research series ; Physical and biogeochemical processes in Antarctic lakes

Notes: Includes bibliographical references and index.

This edition was published in 1993



Filesize: 67.57 MB

Tags: #Biogeochemical #processes #in #high

## Antarctic lakes

Prior to that she was Executive Dean of Science at Keele University, UK, and Professor of Environmental Biology at Nottingham University. PRINTED FROM OXFORD SCHOLARSHIP ONLINE oxford. She has published two sole authored books, and 128 peer reviewed articles and reviews.

## Antarctic lakes

Antarctic Lakes begins with an introduction to their physical, chemical, and biological characteristics, providing a basis for understanding the subsequent detailed chapters on different lake types, and ends with a chapter considering the application of new technologies to polar limnology as well as identifying future research directions. It emphasises throughout the value of these near-pristine ecosystems as barometers of climate change, showing how responsive and vulnerable they are to the indirect impacts of anthropogenic activity. Cite this chapter as: Wharton R.

## Polar Lakes and Rivers: Limnology of Arctic and Antarctic Aquatic Ecosystems

Professor Jemma L Wadham is a low temperature biogeochemist whose work focuses on biogeochemical processes in glacial ecosystems and their impact on global biogeochemical cycles. Application of a three-dimensional numerical model to Lake Vostok: An Antarctic subglacial lake.

## Antarctic lakes

This accessible text is suitable for both senior undergraduate and graduate students taking courses in Antarctic and polar limnology, and will also be of broad interest to researchers working in the areas of polar science, microbial ecology and extremophiles, climatology, glaciology, and astrobiology. Microbes found in Lake Vostok's accreted ice are relatively modern, but the probability of ancient lake-floor sediments leads to a possibility of a very old biota at the base of subglacial lakes. On 28 December 2018, the Subglacial Antarctic Lakes Scientific Access SALSA team, where she serves on the executive committee.

## **Antarctic Lakes**

Over 70 lakes have now been identified beneath the Antarctic ice sheet. Johanna Laybourn-Parry is vice-provost Research at the University of Tasmania, Australia.

## **Stromatolitic Mats in Antarctic Lakes**

She retired as Pro Vice-Chancellor for Research at the University of Tasmania at the end of 2009 and is now a visiting Professor in the Bristol Glaciology Centre, University of Bristol. If you think you should have access to this title, please contact your librarian. Water exchange between the subglacial Lake Vostok and the overlying ice sheet.

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