

1. Record Nr.	UNINA9910877739803321
Titolo	Antarctic subglacial aquatic environments // Martin J. Siegert, Mahlon C. Kennicutt II, Robert A. Bindschadler, editors
Pubbl/distr/stampa	Washington, D.C., : American Geophysical Union, c2011
ISBN	1-118-67035-3 1-118-67231-3
Descrizione fisica	1 online resource (255 p.)
Collana	Geophysical Monograph Series ; ; 192
Altri autori (Persone)	SiegertMartin J KennicuttMahlon C BindschadlerR. A (Robert A.)
Disciplina	551.48/2
Soggetti	Aquatic ecology - Antarctica Subglacial lakes - Antarctica - History Subglacial lakes - Antarctica - Discovery and exploration Subglacial lakes - Polar regions - History Subglacial lakes - Polar regions - Discovery and exploration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Title Page; Contents; Preface; Section I: History and Background; Subglacial Aquatic Environments: A Focus of 21st Century Antarctic Science; The Identification and Physiographical Setting of Antarctic Subglacial Lakes: An Update Based on Recent Discoveries; Antarctic Subglacial Lake Discharges; Section II: Vostok Subglacial Lake and Recognition of Subglacial Aquatic Environments; Vostok Subglacial Lake: A Review of Geophysical Data Regarding Its Discovery and Topographic Setting; Microbial Communities in Antarctic Subglacial Aquatic Environments Subglacial Lake Sediments and Sedimentary Processes: Potential Archives of Ice Sheet Evolution, Past Environmental Change, and tThe Geomorphic Signature of Massive Subglacial Floods in Victoria Land, Antarctica; Subglacial Environments and the Search for Life Beyond the Earth; Section III: Future Exploration Missions; Environmental Protection and Stewardship of Subglacial Aquatic Environments; Probe Technology

for the Direct Measurement and Sampling of Ellsworth Subglacial Lake;  
Vostok Subglacial Lake: Details of Russian Plans/Activities for Drilling  
and Sampling

Siple Coast Subglacial Aquatic Environments: The Whillans Ice Stream  
Subglacial Access Research Drilling Project Ellsworth Subglacial Lake,  
West Antarctica: A Review of Its History and Recent Field Campaigns;  
AGU Category Index; Index

---

Sommario/riassunto

Published by the American Geophysical Union as part of the  
Geophysical Monograph Series, Volume 192. Antarctic Subglacial  
Aquatic Environments is the first volume on this important and  
fascinating subject. With its underlying theme of bridging existing  
knowledge to future research, it is a benchmark in the history of  
subglacial lake exploration and study, containing up-to-date  
discussions about the history and background of subglacial aquatic  
environments and future exploration. The main topics addressed are  
identification, location, physiography, and hydrology of 387 subglac

---