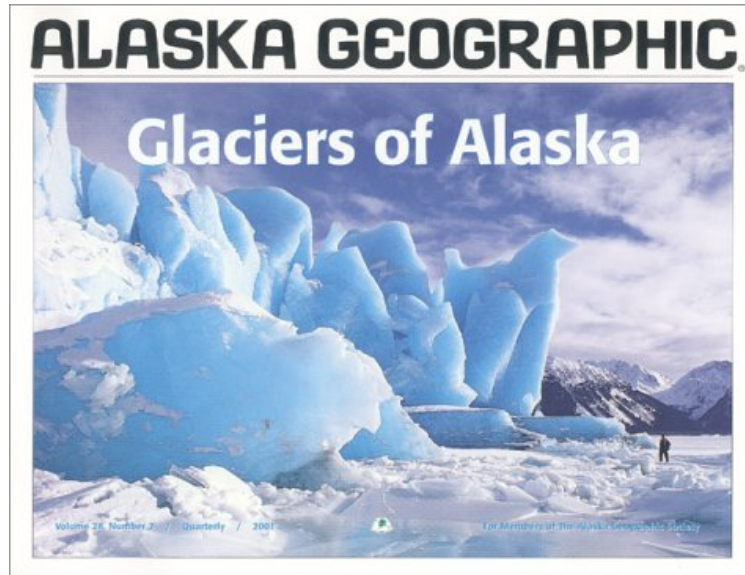


[E-BOOK] Glaciers of Alaska (Alaska Geographic)

Glaciers of Alaska (Alaska Geographic)

Bruce Molina

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Bruce Molina : Glaciers of Alaska (Alaska Geographic) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Glaciers of Alaska (Alaska Geographic):

5 of 5 people found the following review helpful. One stop shop for Glaciation in Alaska. By B. Swanson I recently traveled with Valparaiso University to Alaska to study glaciation and the glaciers of Alaska. This book was required reading prior to arriving in Alaska. Let me tell you, this publication explains everything about glaciers from conception to melting. It also helps to have someone who is truly passionate about glaciers explain them. I would suggest this to anyone traveling to Alaska whether amateur or experienced in glaciers. You will truly view and appreciate each glacier more after you read this publication.

Alaska Geographic is an award-winning series that presents the people, places, and wonders of Alaska to the world. Over the past 30 years, Alaska Geographic has earned its reputation as the publication for those who love Alaska. The series boasts more than 100 books to date, featuring communities from Barrow to Ketchikan, animals from bears to dinosaurs, history from the Russian explorers to today, and natural phenomena from the aurora to glaciers. Written by leading experts in their fields, these books are illustrated throughout with world-class photography and include colorful maps for reference.

From the Publisher From the shattering roar of calving tidewater glaciers to the frigid world of the tiny ice worm, Glaciers of Alaska brings to life the awesome formations that are one of the Earth's most magnificent features. Useful maps, an illustrated glossary, and dozens of spectacular full-color photographs clearly explain the exotic vocabulary of glacier anatomy and the complexity and wonder of these massive rivers of ice. Learn how features such as arêtes, bergschrunds, and fiords are formed and the difference between eskers and moraines. Explore the elaborate geometry of ogives, cirques, and sracs. Discover the curious phenomenon of glacial plucking, the dramatic dynamism of surges

and jokulhlaups, and the physics behind the intense blue beauty of glacier ice. *Glaciers of Alaska* examines the paleoenvironmental information exposed with the melting of 8,000-year-old snow patches and questions what these clues to the past reveal about ancient hunters and their prey. Short essays investigate the economics of harvesting and selling glacier ice, give tips on enjoying safe glacier travel, and list places to see glaciers in Alaska whether traveling by bus, boat, air, or even on foot. *Glaciers of Alaska* introduces the scientific methodologies used to study glaciers, monitor their changes, and image them from afar. Historical studies present a perspective on the evolution of our glacier knowledge through the efforts of inquisitive and courageous European, Russian, and American explorers. An area-by-area survey of the states glaciers from Rhode Island-sized Malaspina to diminutive Brooks Range cirque glaciers provides a record of their size and extent, and also ponders the future health of Alaskas living ice masses as the climate changes. *Glaciers of Alaska* is the most complete, timely, and accurate source available for information about Alaskas glaciers. Author Bruce F. Molnia, Ph.D., has studied Alaskas glaciers for more than 30 years. He has taken thousands of glacier photographs throughout the state and has conducted extensive research on coastal and fiord glaciers. Molnia is the author of several books and more than 200 articles, maps, and other publications about Alaskas glaciers.

From the Inside Flap
Bruce F. Molnia, Ph.D. has studied Alaskas glaciers for more than 30 years. His first exposure was as a student on the Juneau Icefield in 1968. Since then he has taken tens of thousands of photographs of glaciers throughout the state and conducted research on coastal and fiord glaciers from south of Juneau to Cook Inlet. Molnia has authored several books and more than 100 articles, maps, and abstracts about Alaskas rivers of ice. Many scientists and government researchers provided information on various aspects of glaciology. In particular, we thank: Tina Neal and Game McGimsey of Alaska Volcano Observatory/USGS, and Angela Roach, Department of Geological Sciences, Brown University, for help in updating the Aleutian Islands section of the text; Gary Prokosch of Alaska Department of Natural Resources, Ric Davidge of World Water, SA, and Al Schafer of Afognak Logging in Seward for their input on glacier ice harvesting; Dan Shain of Rutgers University for an update on ice worm research; Mike Fleming of USGS and Rachel Garcia of Mapping Sciences at the Bureau of Land Management for helping us understand the complexities of glacier mapping; and Dennis Trabant of USGS for answering a variety of questions.

About the Author
Bruce F. Molnia has studied Alaskas glaciers for more than 30 years. His first exposure was as a student on the Juneau Icefield in 1968. Since then he has taken tens of thousands of photographs of glaciers throughout the State and has conducted extensive research on coastal and fiord glaciers. Molnia has authored several books and more than 200 articles, maps, and abstracts about Alaskas rivers of ice. He has participated in more than 20 research cruises, 14 as chief scientist, investigating glaciers in California, the Gulf of Alaska, the Bering Sea, North and South Atlantic Oceans, the Pacific Ocean, Indian Ocean, Alaskan fiords, and Antarctica and has participated in field studies in seven states as well as Chile, Iceland, Indonesia, and the Marshall Islands. Bruce Molnia holds the positions of chief, International Environmental Studies, and chief, International Polar Programs, with the U.S. Geological Survey. In addition, he is an adjunct professor, Duke University, Nicholas School of the Environment, and a research affiliate with the Prince William Sound Science Center in Cordova, Alaska. Bruce Molnia is Forum editor for *GSA TODAY* and a legislative fellow in the Office of Congressman Curt Weldon, Washington, D.C. Bruce Molnia received his B.A. from Harpur College, State University of New York, his M.A. from Duke University, and earned his Ph.D. from the University of South Carolina.