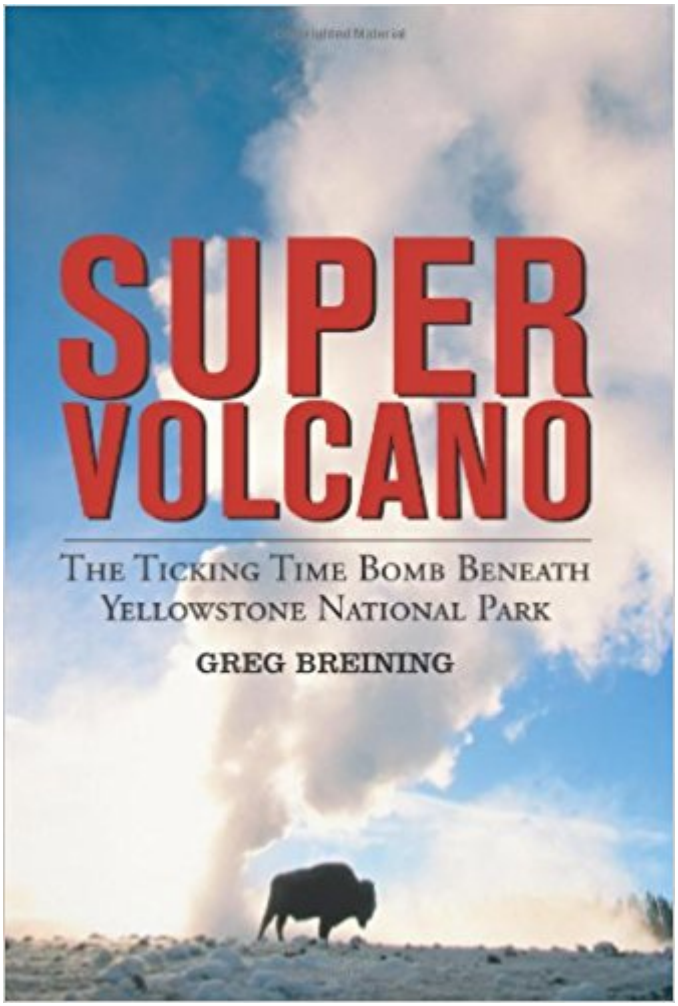
Super Volcano: The Ticking Time Bomb Beneath Yellowstone National Park



Synopsis

Despite growing evidence of geothermic activity under America’s first and foremost national park, it took geologists a long time to realize that there was actually a volcano beneath Yellowstone. And then, why couldn’t they find the caldera or crater? Because, as an aerial photograph finally revealed, the caldera is 45 miles wide, encompassing all of Yellowstone. What will happen, in human terms, when it erupts?Greg Breining explores the shocking answer to this question and others in a scientific yet accessible look at the enormous natural disaster brewing beneath the surface of the United States. Yellowstone is one of the world’s five "super volcanoes." When it erupts, much of the nation will be hit hard.Though historically Yellowstone has erupted about every 600,000 years, it has not done so for 630,000, meaning it is 30,000 years overdue. Starting with a scenario of what will happen when Yellowstone blows, this fascinating study describes how volcanoes function and includes a timeline of famous volcanic eruptions throughout history.

Book Information

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Customer Reviews

Science writer and author Breining (Return of the Eagle) gives readers a solid introduction to modern volcanology in this look at "super volcanoes" in general (those that "have expelled at least 1,000 cubic kilometers of magma... all at once") and the Yellowstone caldera-"potentially the most explosive, most violent, most deadly active volcano on the planet"-in particular. Most readers will be astonished to learn that 2.1 million years ago, the area that is now Yellowstone National Park burst "with the force of hundreds of thousands" of Hiroshima-sized explosions; more surprising is that the site is past due for another, possibly larger eruption. Breining has done a public service by bringing

these hazards to light with straight-forward writing and a well-organized text, clearly explaining complicated, violent geological processes without ignoring the awe-inspiring beauty of volcanic landscapes. He also includes the history of geological studies in Yellowstone, the critically important field of plate tectonics and what kind of fossils are generated by sudden, magma-induced death. Reviewing the largest known eruptions, Breining enumerates still-active threats to populations in Indonesia, Japan, New Zealand, Naples, Italy and, of course, the U.S. Bolstered by clearly laid-out maps, Breining's talent for elucidating complex phenomena makes this one of the best books on volcanoes a general reader can hope for. --This text refers to an out of print or unavailable edition of this title.

BOOK NEWS" Inc, "December 2007 "Using field research and interviews with geologists and a paleontologist, Breining, an environmental and travel writer, reveals the truth about the Yellowstone super volcano."Bookwormsez "syndicated column, "December 2007 "This book is fascinating and scary all at once and your recipients will gush over it." Review in "Choice," March 1, 2008 (Circ.: 3,050 - Written for librarians. Contains critical, concise reviews of books suitable for college and university library collections) Fascination with Yellowstone grows and grows as we learn more about the history, the present situation, and the inevitable developments in near and distant future time. "Super Volcano "captures the essence, the excitement, and the deep and far-reaching influence of the world's greatest heat anomaly. Sections of this concise and easily readable book include 1) descriptions of volcanic activity, thermal springs, strange ecosystems, and earthquakes; 2) geological uniqueness and comparisons with other volcanic areas; 3) little-known and far-distant effects of Yellowstone eruptions of great relevance to humanity; 4) other super volcanoes in recent geologic time (Yellowstone is the fourth-largest known); and 5) prospects and circumstances of the next big blast from Yellowstone. Breining writes for the layperson with enthusiasm and informality, bringing the subjects to life with copious quotes from naturalists, field leaders, and volcanologists. Yellowstone and other super volcanoes are considered in terms of plate tectonics, evolution of scientific insights into the natural world, and--extremely important and underappreciated--impacts on the history and survival capabilities of humanity. A rare read! Summing Up: Highly recommended. All levels. -- "T. L.T. Grose, Colorado School of Mines"PW Web Excusive Online reviews "Science writer and author Breining ("Return of the Eagle") gives readers a solid introduction to modern volcanology in this look at 'super volcanoes' in general ... and the Yellowstone caldera ... Breining has done a public service by bringing these hazards to light with straight-forward writing and a

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I like geology, especially volcanoes and reading and watching videos about them; I do not really want to go to one anymore than I'd like to get up close to a tyrannosaurus rex. I love them but I wouldn't want them in my backyard. I learned a lot from this book and have read it several times. The information is given in an easily understandable manner. My only complaint, and it isn't really with the book itself, is that it is too difficult to use maps and diagrams with a kindle. The print is too small and features cannot be distinguished well. I recommend getting the actual book for texts that contain maps, diagrams and pictures.

great story. Should be read by everyone and especially for those living in the West.Yelowstone N.P. is a national treasure that no one should miss seeing.

This is a very interesting book on the geologic history and future of the volcano beneath Yellowstone National Park. I found it fascinating but others who have not had any background or courses in earth science or geology might find some of the terms a little hard to understand--but still an interesting read.

So much has changed since I was a kid in Oregon and we were told that most of the volcanoes in the Cascades were dormant. Now we have more information about Yellowstone and a potential future eruption! Life is unpredictable, so go enjoy Yellowstone while you can!

Wow!

Bought it while in Yellowstone to understand better what I was seeing, smelling and feeling. Read it along with other books to get all around idea of the area and what was and will be happening when she blows again.

I have read and re-read this book a number of times. If you're interested in Yellowstone, volcanoes and geology, this is a well-written book filled with interesting information.

A good read and clearly written to give a layman a clear view of what volcanism is about, volcanoes and their effects and how they can affect humankind not just in the past but in the future.

Super Volcano: The Ticking Time Bomb Beneath Yellowstone National Park Yellowstone Lake: Yellowstone National Park SE (National Geographic Trails Illustrated Map) Yellowstone: The Ultimate Guide to Yellowstone - From Hidden Secrets to Massive Fun on a Budget (Yellowstone, National Parks, Yosemite, Travel) Yellowstone Runners: Chasing a dream fish in Yellowstone National Park during the Madison River's Famous Fall Run Walks in Wild Yellowstone: A Summer of Solo Backpacking in Yellowstone National Park National Geographic Yellowstone and Grand Teton National Parks Road Guide: The Essential Guide for Motorists (National Park Road Guide) Into the Volcano: A Volcano Researcher at Work Super Power Breathing: For Super Energy, High Health & Longevity (Bragg Super Power Breathing for Super Energy) Super humans, and Super Heroes edition 3: How too Cause Super humans and Super Heroes with Quantum Physics Super Mario Run:Diary of Super Mario: Super Run for coins! (Unofficial Super Mario Run Book) Lowell: The Story of an Industrial City : a Guide to Lowell National Historical Park and Lowell Heritage State Park, Lowell, Massachusetts (National Park Service Handbook) A Volcano Beneath the Snow: John Brown's War Against Slavery The Discovery of Yellowstone Park: Journal of the Washburn Expedition to the Yellowstone and Firehole Rivers in the Year 1870 Exploring the Alaska-Yukon Bordercountry/Wrangell-St, Elias National Park/Kluane National Park Reserve/Tetlin National Wildlife Refuge Yellowstone National Park (National Geographic Trails Illustrated Map) Tower, Canyon: Yellowstone National Park NE (National Geographic Trails Illustrated Map) Old Faithful: Yellowstone National Park SW (National Geographic Trails Illustrated Map) Yellowstone National Park [Map Pack Bundle] (National Geographic Trails Illustrated Map) Old Faithful Day Hikes: Yellowstone National Park (National Geographic Trails Illustrated Map) Nature Guide to Yellowstone National Park (Nature Guides to National Parks Series)

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