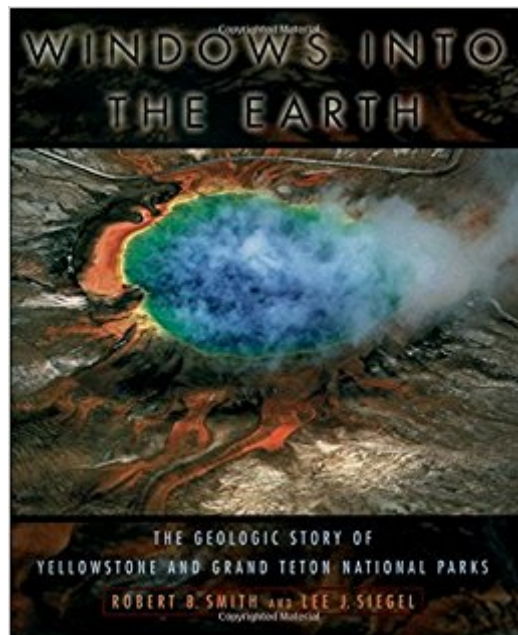




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Windows Into The Earth: The Geologic Story Of Yellowstone And Grand Teton National Parks



Synopsis

Millions of years ago, the North American continent was dragged over the world's largest continental hotspot, a huge column of hot and molten rock rising from the Earth's interior that traced a 50-mile wide, 500-mile-long path northeastward across Idaho. Generating cataclysmic volcanic eruptions and large earthquakes, the hotspot helped lift the Yellowstone Plateau to more than 7,000 feet and pushed the northern Rockies to new heights, forming unusually large glaciers to carve the landscape. It also created the jewel of the U.S. national park system: Yellowstone. Meanwhile, forces stretching apart the western U.S. created the mountainous glory of Grand Teton National Park. These two parks, with their majestic mountains, dazzling geysers, and picturesque hot springs, are windows into the Earth's interior, revealing the violent power of the dynamic processes within. Smith and Siegel offer expert guidance through this awe-inspiring terrain, bringing to life the grandeur of these geologic phenomena as they reveal the forces that have shaped--and continue to shape--the greater Yellowstone-Teton region. Over seventy illustrations--including fifty-two in full color--illuminate the breathtaking beauty of the landscape, while two final chapters provide driving tours of the parks to help visitors enjoy and understand the regions wonders. Fascinating and informative, this book affords us a striking new perspective on Earth's creative forces.

Book Information

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Customer Reviews

"Geologist Smith and science writer Siegel team up to tell the exciting story of how Yellowstone and Grand Teton National Parks came to be."--Bob Decker, former director of the U.S. Geological Surveys Hawaiian Volcano Observatory and Professor Emeritus, Dartmouth College, and Barbara

Decker, science writer

Robert B. Smith is a professor of geology and geophysics at the University of Utah and a fellow of the American Geophysical Union and the Geological Society of America. He has spent his career studying the Yellowstone-Teton region. Lee J. Siegel has written about science since 1976, most recently as science editor of The Salt Lake Tribune. He contributed to the Pulitzer Prize-winning coverage of the 1980 Mount St. Helens eruption by The Daily News of Longview, Washington, and in 1996, he won the Utah Seismic Safety Commissions first annual Outstanding Contribution to Earthquake Safety in Utah Award.

Extremely well written and engaging. This book not only provides really solid information about the geological "whys" around Yellowstone and Grand Teton National Parks, but also an inviting narrative that captures the imagination and a list of sites for visitors to the park to consider. I have spent many hours in these parks over my lifetime, but having access to this information made my last trip there (July of 2017) truly memorable! I cannot thank the author enough for "Heart of the Caldera" recommendation - a great stop that I have always driven right past!

Excellent explanation of geological forces past and present in the Grand Teton & Yellowstone area. After visiting area decided to do some reading on geological activity past and present. Met my expectation and recommend for anyone interested in volcanoes, glaciation and earthquakes

Yellowstone is such an amazing place; there are few places on earth where you can see the earth breathing, but this is definitely one. The multiple geothermal sites in Yellowstone are amazing to look at. But to get an in depth understanding of why there are geysers, or colorful pools, this book can answer those questions in depth. If you want to be a better informed tourist when going to Yellowstone this book will provide in depth geological information you may be looking for. Tours of Yellowstone & Grand Tetons are at the back of the book which describes, site by site, geological phenomena.

Having grown up in this area it was fun to look back through geologic time and understand more of the forces that shaped the intermountain west. Very interesting read and very well put together. Great graphs and pictures to accompany the texts. Can't wait to try out the driving tours!

I love geology and earth science plus history. This is all of this plus part tour guide to the area.

I am not new to this title as I use it for some my classes at The University of Montana where I am a Geography professor - Bob Smith is a Greater Yellowstone icon and anything he does or is involved with is worth seeing or reading - this region of the Northern Rockies is dynamic in many aspects and Bob does an excellent job of writing about its underpinnings

Super book! After we had toured the Yellowstone area it was fantastic to read the book and see the pictures and further my understanding of such an interesting and colorful place. I recommend it to all who can't go to Yellowstone to see the wonders in person

This text was required for my son's camping trip to Yellowstone. It is very informative and he finds the reading enjoyable.

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