Windows into the Earth: The Geologic Story of Yellowstone and Grand Teton National Parks

Robert B. Smith, Lee J. Siegel
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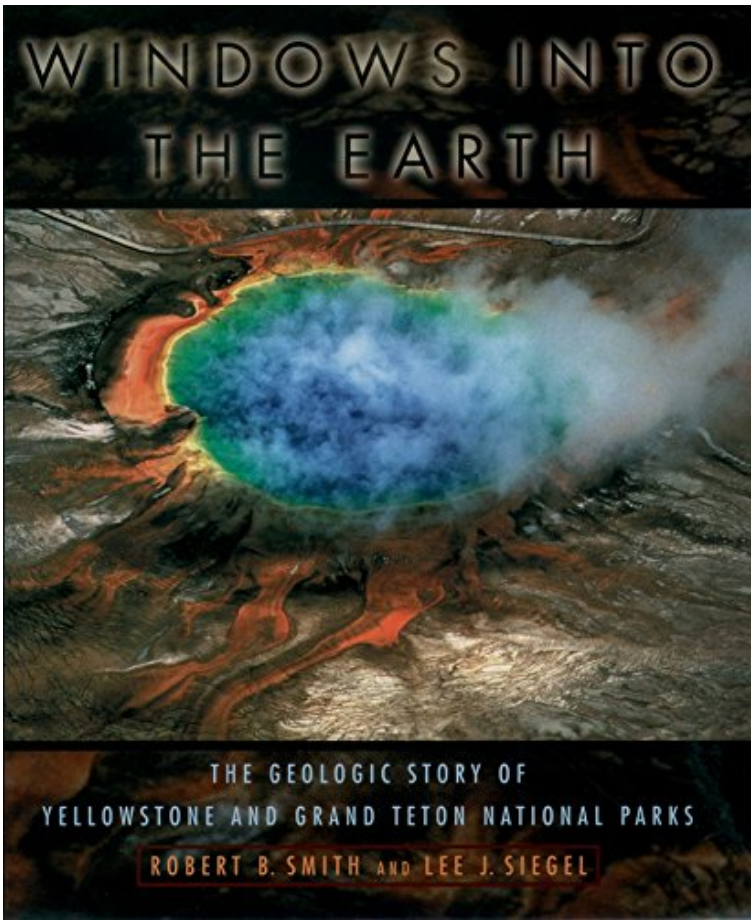

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Robert B. Smith, Lee J. Siegel : Windows into the Earth: The Geologic Story of Yellowstone and Grand Teton National Parks before purchasing it in order to gage whether or not it would be worth my time, and all praised Windows into the Earth: The Geologic Story of Yellowstone and Grand Teton National Parks:

0 of 0 people found the following review helpful. I cannot thank the author enough for "Heart of the Caldera" recommendation - a great stop that I have always driven right pastBy DeborahExtremely 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!2 of 2 people found the following review helpful. Excellent explanation of geological forces in Grand Teton/Yellowstone areaBy Mary J.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 earthquakes0 of 0 people found the following review helpful. If you're going to Yellowstone/Grand Tetons, this book provides an inside view of the geological wondersBy laura millerYellowstone 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.

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.

"I love this book not only for its ground-breaking science, but for its insight and empathy into these beloved wildlands that offer so many of us sanctuary."--Terry Tempest Williams"The terrifying birth of these glorious places of mountain vistas, geysers and hot springs is brought to life by geophysicist Smith and science writer Siegel in this magnificently illustrated book."--Denver Rocky Mountain News"The spectacular geysers and hot springs of Yellowstone are the world's best. They are in part the remains of a gigantic volcanic explosion 630,000 years ago that was a thousand times larger than the 1980 eruptions of Mount St. Helens. They also portend future volcanic action in this beautiful wonderland. 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 is Professor Emeritus at Dartmouth College and Barbara Decker is a science writer"Only a tiny percentage of the 3.1 million people visiting Yellowstone National Park each year have the foggiest notion that they have driven into the maw of one of the greatest volcanic systems on Earth. Bubbling mudpots and jetting geysers provide clues that a vast reservoir of heat lies at shallow depth, but one might well ask, 'Where's the volcano?' Bob Smith and Lee Siegel answer this question and many, many more. In guiding readers through this geologic wonderland, they explain both hot spots and heat flow, and how thousands of huge earthquakes in the recent geologic past accompanied the rise of the magnificent Teton Range just to the south. Those who believe Earth to be an inactive place are in for a rude awakening here!"--Richard S. Fiske, Geologist and former Director of the Smithsonian Institution's National Museum of Natural History "I love this book not only for its ground-breaking science, but for its insight and empathy into these beloved wildlands that offer so many of us sanctuary."--Terry Tempest Williams"The terrifying birth of these glorious places of mountain vistas, geysers and hot springs is brought to life by geophysicist Smith and science writer Siegel in this magnificently illustrated book."--Denver Rocky Mountain News"The spectacular geysers and hot springs of Yellowstone are the world's best. They are in part the remains of a gigantic volcanic explosion 630,000 years ago that was a thousand times larger than the 1980 eruptions of Mount St. Helens. They also portend future volcanic action in this beautiful wonderland. 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 is Professor Emeritus at Dartmouth College and Barbara Decker is a science writer"Only a tiny percentage of the 3.1 million people visiting Yellowstone National Park each year have the foggiest notion that they have driven into the maw of one of the greatest volcanic systems on Earth. Bubbling mudpots and jetting geysers provide clues that a vast reservoir of heat lies at shallow depth, but one might well ask, 'Where's the volcano?' Bob Smith and Lee Siegel answer this question and many, many more. In guiding readers through this geologic wonderland, they explain both hot spots and heat flow, and how thousands of huge earthquakes in the recent geologic past accompanied the rise of the magnificent Teton Range just to the south. Those who believe Earth to be an inactive place are in for a rude awakening here!"--Richard S. Fiske, Geologist and former Director of the Smithsonian Institution's National Museum of Natural HistoryAbout the AuthorRobert B. Smith, Professor of Geology and Geophysics, University of Utah.