PURCELL MOUNTAIN LODGE

Interpretive Geological Hikes with Geologist-in-Residence Thomas Kubli

Learn how to read rocks and how the life of the biosphere - plants, animals, even us humans - are shaped by geology

During geology week, you'll have the opportunity to join interpretive hikes designed to help you understand these stories of ever-changing continents, the origin of many types of rocks, and uncover the secrets the rocks have preserved over such a long time.

Thomas Kubli, our geologist-in-residence, chose the Dogtooth Range as his field study area for this Ph.D. in geology at the University of Calgary (1990). Thomas spent three years examining the rocks of the northern Purcell Mountains, discovering some exciting stories that help explain

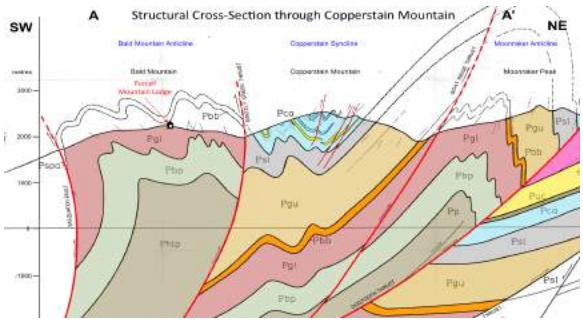
Come meet Thomas for Summer Opening Tour. July 3-6 or August 24-28. Pre book your full or half day excursion.

Learn about Copperstain Mountain formed

The geology interpretive hikes will unfold at a more leisurely pace than our regular hikes, with frequent stops at outcrops to examine the rocks in detail. We will stop at viewpoints to observe the landscape and plant life through the eye of the geologist.

The geological history of Purcell Mountain Lodge goes back some 750 million years. The lodge stands on rocks that bore witness to the break-up of an ancient supercontinent, the changes in the shape of an old ocean, the life of its early single-cell inhabitants, seascapes of ancient tropical islands, and, finally, the awesome forces that formed the mountains of the Canadian Cordillera and the Rocky Mountains.

There will be plenty of opportunities to examine the rocks in the immediate vicinity of the lodge without having to go further afield. Hikers who want to learn more can gather for impromptu conversations about the geology in the evenings at the lodge.



An interpretive guidebook can be purchased in our Gift Shop. A detailed summary of the geological history of the site of Purcell Mountain Lodge and explains the nature of the rocks we'll encounter on our hikes. A map and cross-section will guide us on our hikes.