



The sketch above is a synthesis of views, rather than a view from one point. In actual views from the ground, positions of nearer features (for example, Timbered Dome) will shift relative to more distant features (for example, Smiley Mountain). Shelly and Sheep can only be seen from locations sufficiently far west to not be blocked by Appendicitis Hill. They can be seen from west of the Butte County Airport.

Big Cinder Butte and Inferno Cone consist of volcanic material erupted in the last ten thousand years.

Blizzard Mountain and Scorpion Mountain consist of sandstones and conglomerates (ancient gravels) that are about 340 million years old.

Timbered Dome consists of sedimentary rocks that are about 350 million years old and that, at its top, have been infiltrated by silica to give a material called "jasperoid".

The Lost River Lava Flow is about 40 thousand years old, younger than the sediments of the Big Lost River on which it sits.

Smiley Mountain consists of volcanic and intrusive igneous rocks that are about 50 million years old.

Sheep Mountain and the hilly ridge blocking the view into Antelope consist of volcanic rocks (part of the "Challis Volcanics") erupted about 50 million years ago.

Shelly Peak consists of limestones that are about 340 million years old.

Appendicitis Hill consists of limestones (sediments of ancient seas) that are about 350 to 280 million years old. The same is true of Arco Peak and Number Hill.

The Lost River Mountains consist of sedimentary rocks that are 600 to 300 million years old. Many of its mountains, and Shelly Peak as well, were sculpted by glaciers over the last two million years.