

GLOSSARY

Adit: the opening to a mine.

Cirque: a steep-walled, bowl-shaped valley carved by glacial ice at the head of alpine valleys.

Caldera: a large, basin-shaped volcanic complex containing one or more volcanic vents.

Hanging valley: a tributary valley whose floor is significantly higher than the main valley floor below. Hanging valleys were carved by small glaciers tributary to the main valley glacier.

Igneous rock: rock formed by cooling and solidification of molten magma.

Intrusion: a mass of molten magma that is pushed or injected into older rock and later cooled to igneous rock.

Rock glacier: a tongue-shaped landform composed of angular rock and ice, forming in high mountain cirques and actively flowing downslope.

Threshold: a ridge located on the lower side of a glacial cirque.

Vein: rock material, generally mineralized, injected by igneous activity into bedrock. Also called a lode.

REFERENCES

Do you want to learn more about the geology of Imogene Pass and the San Juan Mountains? The following references were used in the preparation of this road log and will provide insight into the geology of the region. Two publications, Tomboy Bride and One Man's West, provide insightful descriptions of life in the mining camps and travel along the Imogene Pass road.

Backus, Harriet Fish, 1969, 1907, Tomboy Bride, Pruett Publishing Co.

Blair, et al., 1996, The Western San Juan Mountains, Their Geology, Ecology, and Human History, University Press of Colorado.

Burbank and Luedke, 1964, Geologic Map of the Ironton Quadrangle, USGS Map GQ-291.

Burbank and Luedke, 1966, Geologic Map of the Telluride Quadrangle, USGS Map GQ-504.

Lavendar, David, 1956, One Man's West, Doubleday & Co, Inc.

Luedke and Burbank, 1962, Geologic Map of the Ouray Quadrangle, USGS Map GQ-152.

Moore, George, 2004, Mines, Mountain Roads, and Rocks, Guidebook No. 1, Ouray County Historical Society, Ouray, Colorado.

www.usgs.gov is the website for the U.S. Geological Survey.

You can order geologic maps and reports as well as topographic maps on-line or by phone at 1-888-ASK-USGS.

BUCKHORN GEOTECH

Civil, Structural, and Geotechnical Engineers, Inc.

Compiled by Nancy B. Lamm, P.G.

222 South Park Ave. • Montrose, CO 81401
Ph.: (970) 249-8828 • FAX: (970) 249-0945

GEOLOGIC ROAD LOG IMOGENE PASS

UNCOMPAHGRE NATIONAL FOREST
ALONG COUNTY ROADS 361, 26, 26B, AND K68

THE TOWN OF OURAY TO THE TOWN OF TELLURIDE



THE ROAD TO IMOGENE PASS AND UPPER CAMP BIRD
ALONG IMOGENE CREEK

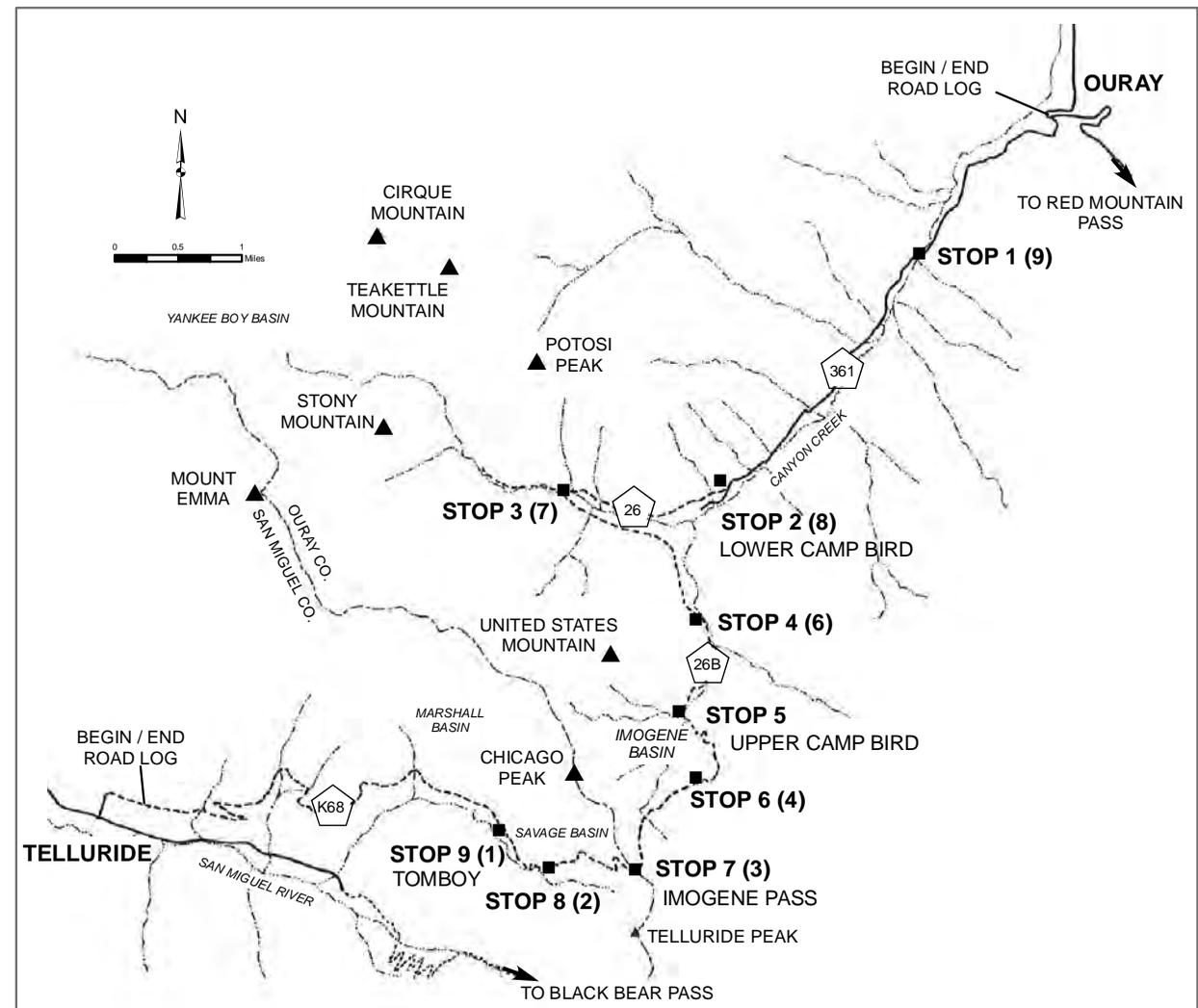
THE LURE OF GOLD AND SILVER

Ouray and Telluride are both popular Colorado outdoor vacation destinations in the San Juan Mountains, offering skiing, ice climbing, hiking and back country exploration. Both towns share a legacy of hard rock mining connected by precipitous trails accessing the ore bearing veins that shot through the vast alpine reaches. As you drive across Imogene Pass, you will come to appreciate the insight and determination of the miners of the late 19th and early 20th centuries as they followed the lure of gold and silver amid some of the harshest conditions in Colorado.

History beckons, come and learn!



**Grand Mesa-Uncompahgre-
Gunnison
National Forests**



Map of the Geologic Road Log of Imogene Pass between Ouray and Telluride

HOW TO USE THE ROAD LOG

Follow the general directions below to arrive at the starting point of the road log. Zero your odometer and follow the mileage notations to arrive at the geologic points of interest. If you are traveling south from Ouray, use the mileage notation on the left; if you are traveling east from Telluride, use the mileage notation in parentheses. Pull off the road at the designated stops to look around you and read the descriptions. Some of the descriptions refer to stretches of road, so study the landscape as you travel. Don't hesitate to stop along the way, camp, hike, and enjoy the stunning scenery around you. The road log contains mileage references such as intersections and bridges to recalibrate your odometer if you take side trips. A glossary at the end of the log describes the geologic terms used.

From Ouray: take Highway 550 south of Ouray to the first bend in the road. Turn right on Ouray County Road 361 (Yankee Boy Basin). Begin the road log at the intersection of Highway 550 and CR361.

From Telluride: take Highway 145 to Telluride and enter the town on West Colorado Avenue. Turn left on North Aspen and proceed north to West Galena Avenue. Turn right on Galena Avenue and proceed east one block to North Oak Street. Turn left onto North Oak Street, which turns into the Tomboy Road after one block. Proceed up the Tomboy Road approximately 0.2 miles to the Jud Wiebe Trailhead (#432). Begin the road log at the point of the Jud Wiebe trailhead on Tomboy Road.