

## Onion Creek headwaters cryoplanation terraces

**Location:** 61.944395°N 139.01692°W

**Details:** Well-developed cryoplanation terraces are found on a peak in the headwaters of Onion Creek, in the southwestern Nisling Range. These landforms likely developed over hundreds of thousands of years because this ridge protruded above the ice sheets as a nunatak during the two most recent glaciations (Bond and Lipovsky, 2009; 08JB035). The terraces are truncated by steep scarps which expose Paleocene intermediate-felsic volcanic bedrock (Murphy, unpublished).



**Figure 1.** A view to the south of cryoplanation terraces in the southwestern Nisling Range. The terrace scarps are 6-8 m high (08JB035).



**Figure 2.** View of a cryoplanation terrace scarp on the Onion Creek headwaters cryoplanation terraces. A muddy colluvial diamicton veneers the flat treads of the terraces and weathered bedrock commonly outcrops in the scarps. Photo Credit: J.Bond.

## REFERENCES AND FURTHER READING

\*Bond, J.D. and Lipovsky, P.S., 2009. Surficial Geology of Toshingerman Lake (115G/14). Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, Open File 2009-45, scale 1:50,000.

Murphy, D., unpublished. Modified preliminary bedrock geology of part of Stevenson Ridge area, Yukon, Yukon Geological Survey.