

675485 Tillicum
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SESSION 7: GEOLOGY II

9:00 — Paper 7.1

Tillicum—Gold-Silver Property.

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Gold and silver mineralization at the Tillicum property, situated in southeastern B.C. approximately 25 km south of Nakusp, occurs in siliceous, calc-silicate skarns developed in tuffaceous sedimentary rocks of the Mississippian-Permian Milford Group and adjacent to diorite porphyry intrusives.

The skarn zones are divisible into gold- and silver-bearing skarns—auriferous skarns contain gold as fine to coarse disseminations and fracture fillings in quartz and calc-silicate injections that are often, but not always associated with variable amounts of pyrrhotite and base metal sulphides.

Silver-bearing skarns are more calcareous and generally occur in less tuffaceous rocks.

It is thought gold and silver were deposited during skarning of the Milford Group rocks by diorite porphyry intrusives. Modification of the skarns has occurred during subsequent metamorphism and later intrusions.