

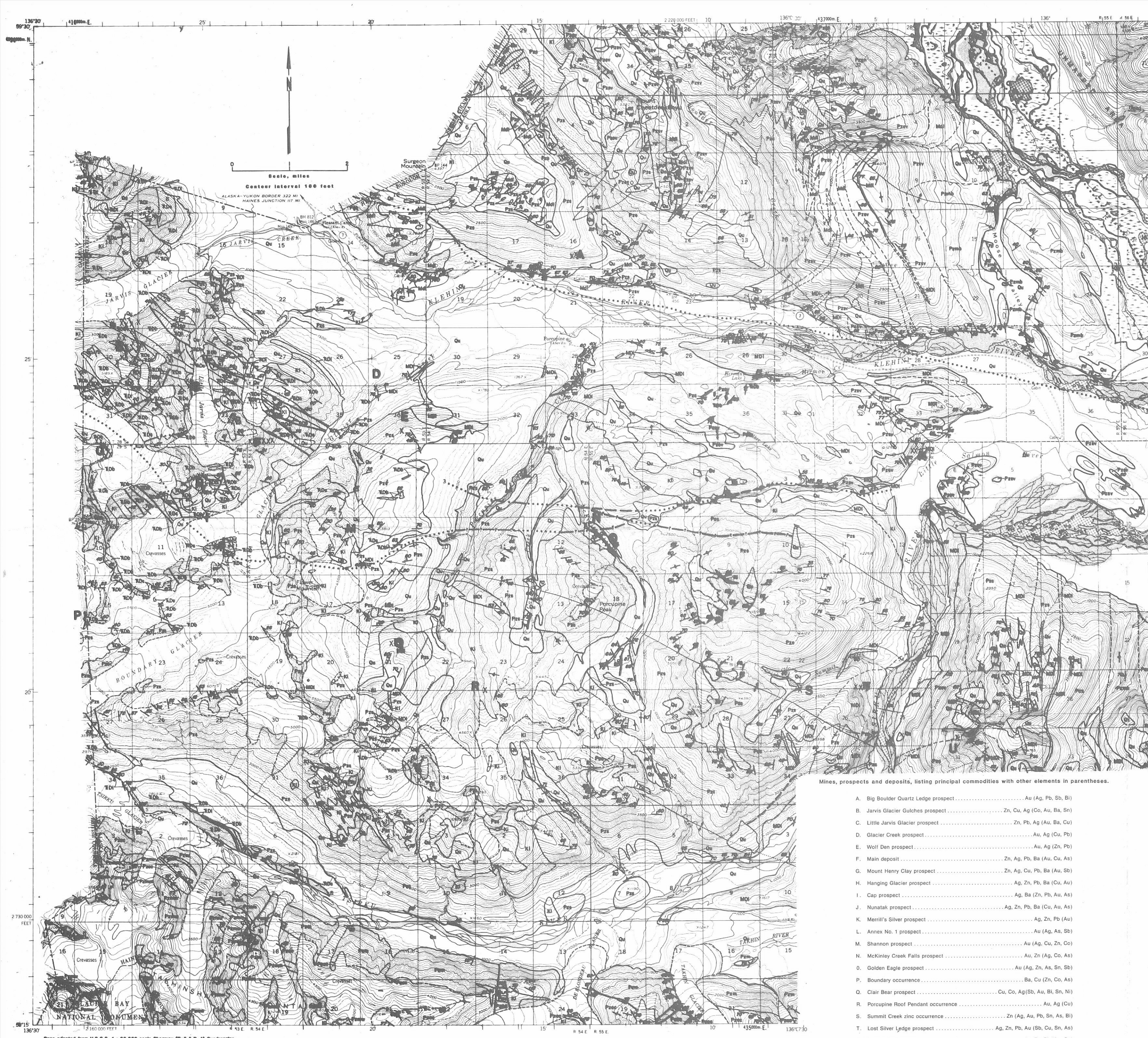
EXPLANATION

- Qu** COLLUVIUM, ALLUVIUM, and GLACIAL DRIFT - Alluvial deposits, colluvial deposits, and glacial deposits, undifferentiated.
- Tdi** DIORITE - Fine to coarse-grained hornblende diorite.
- Kl** DIORITE-GRANODIORITE - Medium-grained hornblende diorite or biotite-hornblende granodiorite.
- TDb** BASALT - Dark green to black basalt and basaltic andesite. Massive units display pillows and vesicles. Individual layers are discontinuous. Locally appears as greenstone and gneiss. All lithologies show effects of regional greenschist facies metamorphism.
- TDe** VOLCANIC and SEDIMENTARY ROCKS - Mappable intervals of intercalated slate, argillaceous limestone, and basalt.
- TDi** LIMESTONE - Mappable intervals of medium-gray to black argillaceous limestone.
- MDi** LIMESTONE and MARBLE - Generally massive, light to medium-gray marble and thick-bedded medium-gray limestone. Also includes discontinuous, sheared, gray, sooty limestone in unit Pzs.
- Pzs** SLATE and PHYLLITE - Locally limonite-stained black slate and dark gray phyllite, with subordinate black argillite and banded siltstone.
- Pzsv** METASEDIMENTARY and METAVOLCANIC ROCKS - Interbedded black phyllite, felsic schist, metachert, and medium-gray marble.
- Pzmb** METABASITE - Amphibolite, greenschist and greenstone, including sheared metabasalt, with subordinate calc-amphibole schist, black phyllite and graphitic meta-siltstone, siliceous marble, meta-siltite, and metavolcanic breccia (agglomerate).
- Pzgn** GNEISS - Predominantly intermediate orthogneiss, with subordinate amphibolite, pelitic schist, and paragneiss. Orthogneiss appears to be a late-kinematic hornblende-biotite granodioritic intrusion or partially recrystallized plutonic rock.
- Pzm** MARBLE - Fine-grained, thin-bedded dark gray marble, locally contains thin bands of argillite, and, east of the Takhin Glacier, greenstone dikes or sills.
- Pzoc** ARGILLITE and CHEST - Thin-bedded black argillite and white, gray and black argillaceous chert. West of the Takhin Glacier the unit includes thin, discontinuous bands of light-gray to black argillaceous marble.
- Pzmm** MASSIVE MARBLE - Massive, light-gray marble and marble breccia occur in a single layer from a few tens to a few hundreds of meters thick.
- Pzmv** WHITE MARBLE - Highly contorted and folded white marble.
- Contact, dashed where inferred.
- Margin of glacier
- Fault, dashed where inferred, queried where doubtful, dotted where concealed.
- ↑ Anticline, showing trace of axial surface and direction of plunge, dotted where concealed.
- ∩ Anticline, overturned, dotted where concealed.
- ∪ Syncline, showing trace of axial surface and direction of plunge, dotted where concealed.
- ↘ Strike and dip of beds, commonly accompanied by parallel slaty cleavage or schistosity.
- ↖ Strike of vertical beds, commonly accompanied by slaty cleavage or schistosity.
- ↗ Foliation and dip of slaty cleavage or schistosity, relationship to bedding not apparent in outcrop.
- ↖ Foliation of vertical slaty cleavage or schistosity, relationship to bedding not apparent in outcrop.
- ↘ Strike and dip of slaty cleavage or schistosity, showing plunge of minor fold axis.
- ↗ Strike and dip of foliation in igneous rocks.
- ↖ Strike of vertical foliation in igneous rocks.
- XJ** Mine, prospect or deposit. See table below.

Mines, prospects and deposits, listing principal commodities with other elements in parentheses.

- A. Big Boulder Quartz Ledge prospect Au (Ag, Pb, Sb, Bi)
- B. Jarvis Glacier Gulches prospect Zn, Cu, Ag (Co, Au, Ba, Sn)
- C. Little Jarvis Glacier prospect Zn, Pb, Ag (Au, Ba, Cu)
- D. Glacier Creek prospect Au, Ag (Cu, Pb)
- E. Wolf Den prospect Au, Ag (Zn, Pb)
- F. Main deposit Zn, Ag, Pb, Ba (Au, Cu, As)
- G. Mount Henry Clay prospect Zn, Ag, Cu, Pb, Ba (Au, Sb)
- H. Hanging Glacier prospect Ag, Zn, Pb, Ba (Cu, Au)
- I. Cap prospect Ag, Ba (Zn, Pb, Au, As)
- J. Nunatak prospect Ag, Zn, Pb, Ba (Cu, Au, As)
- K. Merrill's Silver prospect Ag, Zn, Pb (Au)
- L. Annex No. 1 prospect Au (Ag, As, Sb)
- M. Shannon prospect Au (Ag, Cu, Zn, Co)
- N. McKinley Creek Falls prospect Au, Zn (Ag, Co, As)
- O. Golden Eagle prospect Au (Ag, Zn, As, Sn, Sb)
- P. Boundary occurrence Ba, Cu (Zn, Co, As)
- Q. Clair Bear prospect Cu, Co, Ag (Sb, Au, Bi, Sn, Ni)
- R. Porcupine Roof Pendant occurrence Au, Ag (Cu)
- S. Summit Creek zinc occurrence Zn (Ag, Au, Pb, Sn, As, Bi)
- T. Lost Silver Ledge prospect Ag, Zn, Pb, Au (Sb, Cu, Sn, As)
- U. Tsikru Silver occurrence Ag, Zn, Pb (Au, Cu)
- V. Quartz Swarm prospect Au (As, Zn, Sb, Sn, Ba)

Figure A-5. — Geology and occurrence-commodity map of the Porcupine Mining area.



Base adapted from U.S.G.S. 1:60,000 scale topography (D-8 & D-4) quadrangles.