

CORRELATION OF MAP UNITS

Table correlating map units with geological time periods. It lists units such as Quaternary (Ice, Qm, Qa, Qu), Cenozoic (Hayes Glacier Belt, Jarvis Belt, Macomb Belt), Mesozoic (Triassic, Jurassic, Cretaceous), Paleozoic (Mississippian, Devonian), and Precambrian (Metamorphic Rocks).

DESCRIPTION OF MAP UNITS

UNCONSOLIDATED DEPOSITS: Ice (Glacier Ice and Moraine), Qm (Moraine), Qa (Alluvium), Qu (Quaternary Deposits). PLUTONIC ROCKS: Anm (Alkalic Mafic Dikes), Kg (Granite), Tgp (Gabbroic Intrusions). METAMORPHIC ROCKS: Mhg (Hayes Glacier Belt), Mjr (Jarvis Belt), Mdc (Drum Unit), Dt (Tiger Unit), Dp (Lagoon Unit), Dm (Tustena Pass Unit), Dcn (Macomb Belt).

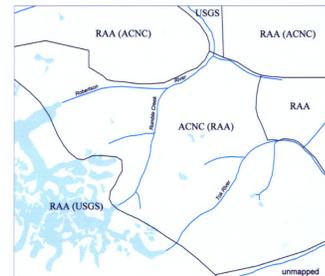


Figure 1. Index map showing sources and coverage of geologic mapping used in compiling areas outside of the author's personal knowledge.

MAP SYMBOLS

- Dominant Foliation: symbol for foliation direction.
Contact: approximately located, dashed where inferred, dotted where concealed.
Fault: approximately located high-angle fault, dashed where inferred, dotted where concealed.
Thrust fault: major thrust fault inferred from age relations, airborne resistivity, and regional mapping.
Normal fault: approximately located, dotted where concealed.
Landslide scarp: approximately located head of landslide.
U-Pb SHRIMP sample locality: labeled with age (Ma).

MINERAL RESOURCES

- Historic Mine: Sibleite Creek Mine.
Massive-Sulfide Deposit: polymetallic drilled deposit with calculated inferred resource.
Massive-Sulfide Prospect: outcrop and float prospects of significant size and grade.
Massive-Sulfide Occurrence: minor outcrop, subcrop, or float occurrence of potentially significant massive-sulfide, exhalite, or pyritic rocks.
Gold Prospect: outcrop, trench, or drill-tested gold-bearing shear zones and alteration envelopes.
Mineral Resource ID numbers refer to Appendix 3, Table 1 in the accompanying report.

MAP HISTORY

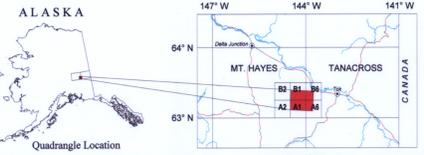
Initial geologic mapping was done in conjunction with the discovery and early delineation of massive-sulfide deposits by Resource Associates of Alaska (RAA) from 1976 to 1982. Between 1983 and 1987, RAA and its partners concentrated efforts exploring for gold deposits in the eastern portion of the map area. Further geologic mapping and reinterpretations based on geophysical and lithochemical data by American Copper & Nickel Company, Inc. (ACNC) and supported by Northern Associates, Inc. (NAI) provided the current stratigraphic interpretation presented. Fundamental contributions to the geologic mapping and interpretations were made by R. Blackstad, K. Bull, N. Callan, G. Dimo, N. Duke, R. Fankhauser, L. Freeman, D. Gaand, B. Hoffman, P. Lindberg, J. Mantzert, C. Nauman, S. Newkirk, J. Payne, J. Proffert, W. Shalasky, N. Sharver, J. Vorobik, D. Witt, and others not known by the authors. Data assembled and presented by Northern Associates, Inc. under contract #10-00-082 from the State of Alaska, Department of Natural Resources, Division of Geological & Geophysical Surveys. Permission to publish proprietary data was kindly granted by the current owner, Gravid Resource Corporation.

BEDROCK GEOLOGIC MAP OF THE DELTA MINERAL BELT, TOK MINING DISTRICT, ALASKA

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2003

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Base from U.S. Geological Survey, 1:50,000-scale maps, 1952-1954. Transverse Mercator Projection zone 6, NAD 1983 Alaska Datum. All data and topography that is within UTM zone 7 have been reprojected to UTM zone 6. The zone boundary lies at 144° W.

Magnetic North is 25°E of True North and is adjusted to 2003 for location 63°15' N, 144°15' W. Grid North is 3°E of True North at the UTM zone boundary (144° W).

