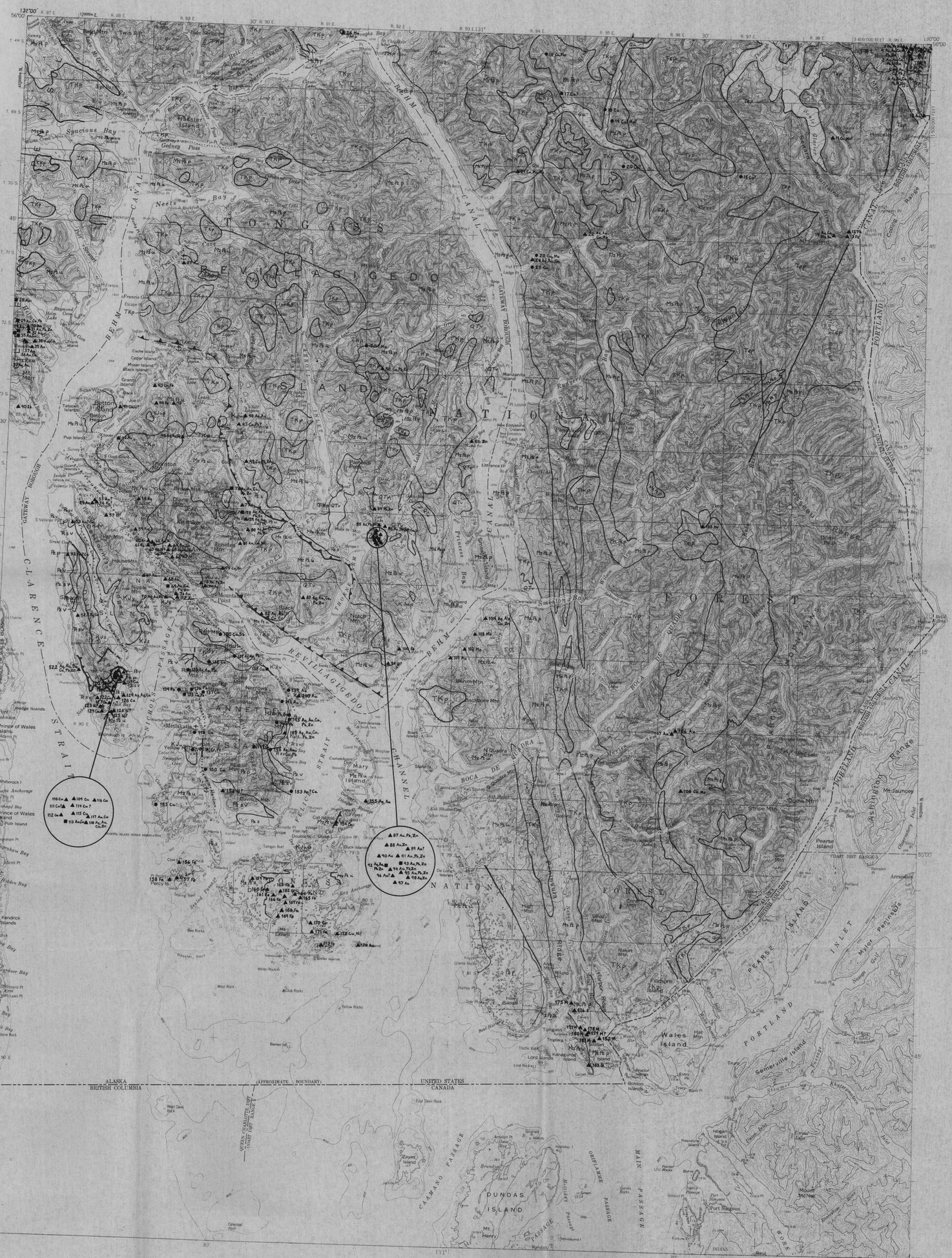
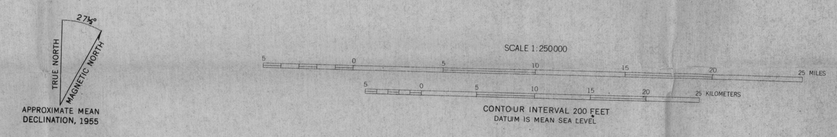
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT
78-73B

Folio of the Ketchikan and Prince Rupert Quadrangles, Alaska
Elliott and others -- Mineral Deposits





CORRELATION OF MAP UNITS

[Geologic map generalized from Berg and others (1978)]

Map unit	Epoch	Period
Qu		QUATERNARY
QTv		QUATERNARY AND TERTIARY
Tmp	Miocene	TERTIARY
Tep	Eocene	
TKp		TERTIARY OR CRETACEOUS
KJup	Lower Cretaceous or Upper Jurassic	CRETACEOUS OR JURASSIC
KJs, KJv		
JTRt, JTRvs		JURASSIC OR TRIASSIC
TRsv	Upper Triassic	TRIASSIC
MzPzp, MzPzu		MESOZOIC OR PALEOZOIC
Pzs	Middle and Upper Paleozoic	PALEOZOIC OR OLDER
Pzv		
Pzp	Silurian or Older	
Pzsv		

DESCRIPTION OF MAP UNITS

- **Qu** — UNCONSOLIDATED DEPOSITS, UNDIVIDED (Quaternary)
- **QTv** — VOLCANIC ROCKS (Quaternary and Tertiary)
- **Tmp** — UNDIVIDED MIOCENE PLUTONIC ROCKS
- **Tep** — UNDIVIDED EOCENE PLUTONIC ROCKS
- **TKp** — UNDIVIDED TERTIARY OR CRETACEOUS PLUTONIC ROCKS
- GRAVINA ISLAND FORMATION AND UNNAMED CORRELATIVE ROCKS (Lower Cretaceous or Upper Jurassic)
  - **KJup** — Ultramafic and other plutonic rocks
  - **KJs** — Metasedimentary rocks
  - **KJv** — Metavolcanic rocks
- **JTRt** — TEXAS CREEK GRANODIORITE (Jurassic or Triassic)
- **JTRvs** — METAMORPHOSED VOLCANIC AND SEDIMENTARY ROCKS (Jurassic or Triassic)
- **TRsv** — METAMORPHOSED SEDIMENTARY AND VOLCANIC ROCKS (Upper Triassic)
- **MzPzp** — PARAGNEISS AND AMPHIBOLITE (Mesozoic or Paleozoic)
- **MzPzu** — METAMORPHIC ROCKS, UNDIVIDED (Mesozoic or Paleozoic)
- **Pzs** — METAMORPHOSED SEDIMENTARY AND MINOR VOLCANIC ROCKS (Middle and upper Paleozoic)
- **Pzv** — FELSIC METAVOLCANIC ROCKS (Paleozoic or older)
- **Pzp** — PLUTONIC ROCKS, CHIEFLY TRONDHJEMITE (Silurian or older)
- **Pzsv** — METAMORPHOSED SEDIMENTARY AND VOLCANIC ROCKS (Silurian or older)

SYMBOLS

- Contact. Approximately located; dotted where concealed
- High-angle fault. Dashed where inferred; dotted where concealed
- Thrust fault. Dashed where concealed, inferred, or assumed. Sawteeth on upper plate

EXPLANATORY NOTE

This map and accompanying table (in pamphlet) provide information on the known metalliferous and selected nonmetalliferous mineral deposits of the Ketchikan and Prince Rupert quadrangles in southeastern Alaska. The term "mineral deposits" is used in the broad sense to include deposits at mines and prospects, or occurrences of possible economic significance, which may be unclaimed. Unevaluated or unchecked occurrences of apparently anomalous metals in rock geochemical samples (Koch and Elliott, 1978a, b) are excluded. Many occurrences or prospects are known only from U.S. Bureau of Mines claim maps (1974, 1977); information on these deposits generally is limited to reported commodities and category of deposit. At three such localities (7, 9, 45) only the category of deposit is known. Only a few nonmetallic commodities, including asbestos, barite, feldspar, garnet, and mica are known in the study area and are described in this report. Nonmetallic commodities such as construction materials and decorative stone may also occur but are not described. Geothermal resources are also excluded from this report. Fossil fuel resources are not known in the study area.

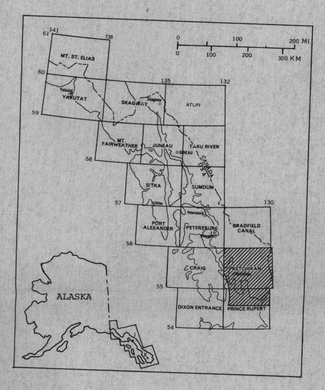
Numbers adjacent to the symbols on the map correspond to map numbers in the descriptive table that accompanies this report.

SYMBOLS

- ● Minor or unevaluated occurrence of mineral commodity(ies)
- ▲ Prospect. Reported or assumed development or assessment work. Claims may or may not be active.
- ■ Mine. Has produced, but not necessarily shipped, ore. Claims may or may not be active.

Ag, Au, Cu A,B,F,G,M — 1/ Reported commodity(ies). Listed in alphabetical order without implying abundance or commercial value. Queried where presence of commodity is inferred from indirect evidence or based on unverified reports.

1/ Metalliferous commodities are abbreviated using their standard chemical symbols; nonmetalliferous commodities are abbreviated as follows: A, asbestos; B, barite; F, feldspar; G, garnet; M, mica



MAP AND TABLE DESCRIBING METALLIFEROUS AND SELECTED NONMETALLIFEROUS MINERAL DEPOSITS, KETCHIKAN AND PRINCE RUPERT QUADRANGLES, ALASKA

by

R.L. Elliott, H.C. Berg, and S. Karl

1978

Base from USGS 1:250,000 topo series:
KETCHIKAN, 1955; PRINCE RUPERT, 1959.
ALASKA-CANADA.

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.