

Folio of the Ketchikan and Prince Rupert Quadrangles, Alaska
Berg and others -- Mineral Resources

CORRELATION OF MAP UNITS

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

Qu	} QUATERNARY AND TERTIARY
QTV	
Tmp	} TERTIARY
Tep	
TKp	} TERTIARY OR CRETACEOUS OR JURASSIC
KJup	
KJs	} Lower Cretaceous Upper Jurassic
KJv	
Jt	} Upper Triassic
Jvs	
MzPp	} Middle and Upper Paleocene
MzPv	
Pz	} PALEOZOIC OR OLDER
Pzv	
Pzp	
Pzv	

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
Jt	TEXAS CREEK GRANODIORITE (Jurassic or Triassic)
Jvs	METAMORPHOSED VOLCANIC AND SEDIMENTARY ROCKS (Jurassic or Triassic)
MzPp	METAMORPHOSED SEDIMENTARY AND VOLCANIC ROCKS (Upper Triassic)
MzPv	PARAGNEISS AND AMPHIBOLITE (Mesozoic or Paleozoic)
Pz	METAMORPHIC ROCKS, UNDIVIDED (Mesozoic or Paleozoic)
Pzv	METAMORPHOSED SEDIMENTARY AND MINOR VOLCANIC ROCKS (Middle and upper Paleozoic)
Pzp	FELSIC METAVOLCANIC ROCKS (Paleozoic or older)
Pzv	PLUTONIC ROCKS, CHIEFLY TRONDHJEMITE (Silurian or older)
Pzp	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
Sawtooth on upper plate

EXPLANATORY NOTE

The areas of mineral resource potential shown on this map are defined on the basis of the information summarized in the accompanying pamphlet. Many of the areas reflect the distribution of known deposits or of specific geologic units. Some areas are identified because reconnaissance geological, geochemical, and geophysical studies indicate that they are permissive for the occurrence of certain types of deposits. There are important differences in the statements that can be made concerning the resource potential of the areas. Some areas definitely contain important resources, whereas others can only be speculated to contain resources; most areas lie between these two extremes. Based on the information that is available to us, certain qualitative, and in some cases quantitative, statements concerning the resource potential of specific areas are possible. These statements, and the information on which they are based, are summarized in the tables in the accompanying pamphlet. The areas not identified as resource potential areas contain only a few scattered metalliferous occurrences, reflect scant or inconclusive geochemical or geophysical data to suggest significant mineralization, or contain only small occurrences of nonmetalliferous minerals.

MAP SYMBOLS

Area of metalliferous mineral resource potential, showing commodities. Metallic commodities are shown by standard chemical symbols; Ba, barite. Presumed primary resources are listed first, followed by potential byproducts in parentheses; within each category commodities are listed in alphabetical order, without implying abundance or commercial value. Quoted where presence of commodity is inferred from indirect evidence or based on unverified reports. Number is keyed to tables 1 and 2 in accompanying pamphlet.

Known mineral occurrences and their reported commodities. [Information on specific localities is summarized in U.S. Geological Survey open-file report 78-73B (Elliott and others, 1978)]

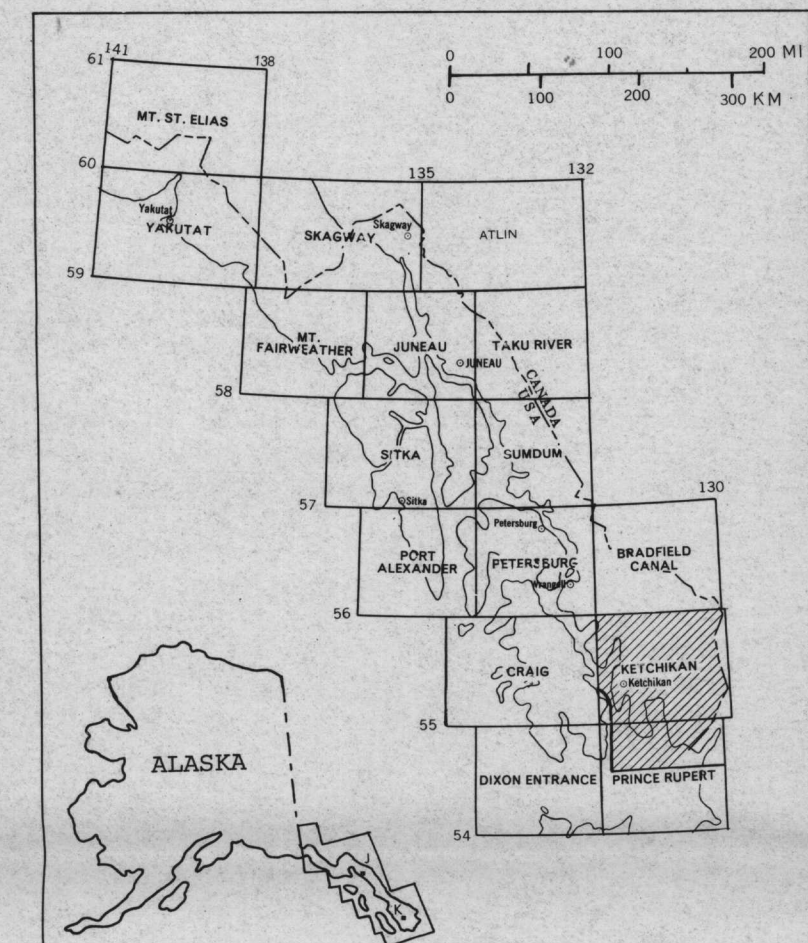
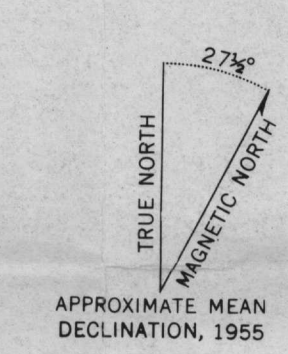
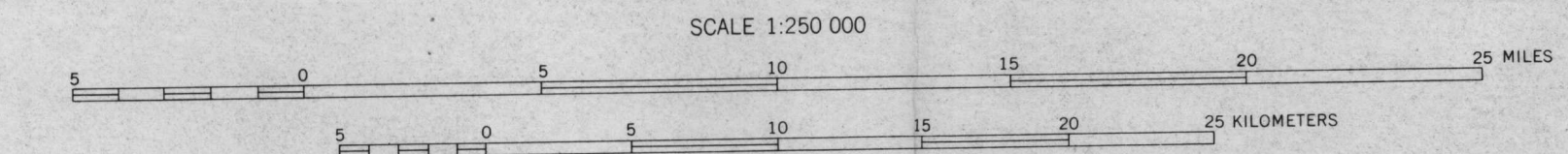
- Minor or unevaluated occurrence
- ▲ Prospect. Reported or assumed development or assessment work. Claims may or may not be active
- Mine. Has produced, but not necessarily shipped, ore. Claims may or may not be active

Ag, Au, Cu, A, B, F, G, M Reported commodity(ies). Listed in alphabetical order without implying abundance or commercial value. Quoted where presence of commodity is inferred from indirect evidence or based on unverified reports. Metalliferous commodities shown by chemical symbols; nonmetalliferous commodities are abbreviated as follows: A, asbestos; B, barite; F, feldspar; G, garnet; M, mica



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.



MAP AND TABLES DESCRIBING AREAS OF METALLIFEROUS MINERAL RESOURCE POTENTIAL
IN THE KETCHIKAN AND PRINCE RUPERT QUADRANGLES, ALASKA

by
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