



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

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Berg and others -- Mineral Resources

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

Qu	} Miocene } Eocene	} QUATERNARY } QUATERNARY AND TERTIARY
QTV		
Tmp		
Tep		
TKp	} TERTIARY } TERTIARY OR CRETACEOUS } CRETACEOUS OR JURASSIC	} TERTIARY } TERTIARY OR CRETACEOUS } CRETACEOUS OR JURASSIC
KJap		
Kds KJv		
Uht JRes	} Lower Cretaceous } Upper Jurassic	} JURASSIC OR TRIASSIC
Tsv	} Upper Triassic	} TRIASSIC } TRIASSIC MESOZOIC OR PALEOZOIC
MzPzp MzPsv	} Middle and Upper Paleocene	} PALEOZOIC OR OLDER
Pzs	} Silurian or Older	} PALEOZOIC OR OLDER
Pzv		
Pzp		
Pzsv		

Qu	UNCONSOLIDATED POSITS, UNDIVIDED (Quaternary)
QTV	VOLCANIC ROCKS (Quaternary and Tertiary)
TEp	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)
KLup	Ultramafic and other plutonic rocks
KJs	Metasedimentary rocks
KJv	Metavolcanic rocks
JTr t	TEXAS CREEK GRANDIORITE (Jurassic or Triassic)
JTr vs	METAMORPHOSSED VOLCANIC AND SEDIMENTARY ROCKS (Jurassic or Triassic)
Tr s v	METAMORPHOSSED SEDIMENTARY AND VOLCANIC ROCKS (Upper Triassic)
Me Pz p	PARAGNEISS AND AMPHIBOLITE (Mesozoic or Paleozoic)
Me Pz u	METAMORPHIC ROCKS, UNDIVIDED (Mesozoic or Paleozoic)
Pz s	METAMORPHOSSED SEDIMENTARY AND MINOR VOLCANIC ROCKS (Middle and upper Paleozoic)
Pz v	FELSIC METAVOLCANIC ROCKS (Paleozoic or older)
Pz p	PLUTONIC ROCKS, CHIEFLY TRONDHJEMITE (Silurian or older)
Pz s v	METAMORPHOSSED SEDIMENTARY AND VOLCANIC ROCKS (Silurian or older)

..... 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

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 types. Some areas are identified on the basis of mineralogical, geochemical, and geophysical studies indicating 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 are only 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 the areas are made. The results of the studies 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. The areas identified as resource potential areas suggest significant mineralization or contain only small occurrences of nonmetalliferous minerals.

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. Questioned 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

Reported commodity(ies). Listed in alphabetical order without implying abundance or commercial value. Queried where 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

