

EXPLANATORY NOTE

This map and accompanying tables (in pamphlet) provide information on the known metalliferous and selected nonmetalliferous mineral deposits of the Petersburg and eastern Port Alexander 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 un-checked occurrences of apparently anomalous metals in rock geochemical samples are excluded. Many occurrences or prospects are known only from U.S. Bureau of Mines claim maps (1976, 1978); information on these deposits generally is limited to reported commodities and category of deposit. Only a few nonmetalliferous commodities, including barite, fluorite, garnet, and phosphate are known in the study area and are described in this report. Nonmetalliferous 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.

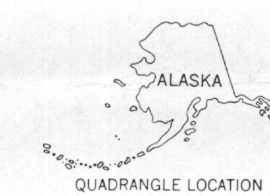
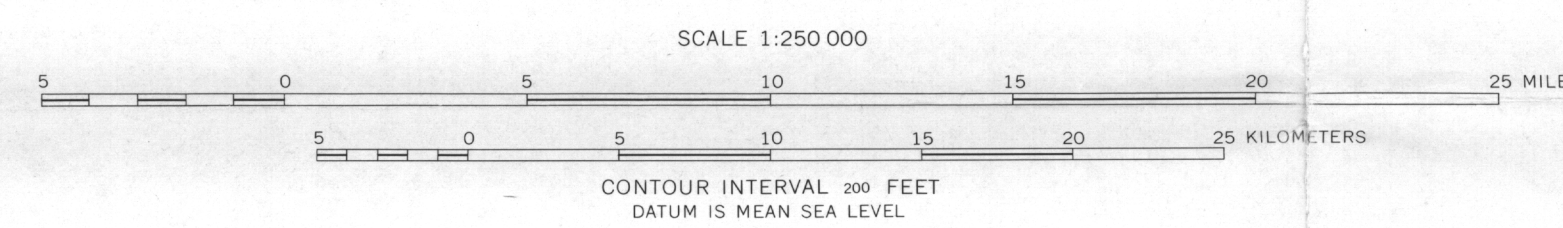
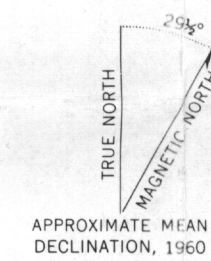
- SYMBOLS
- Occurrence: minor or unevaluated occurrence of mineral commodity(ies)
 - ◆ Claim: claim filed with U.S. Bureau of Mines for specified commodity(ies)
 - ▲ Prospect: deposit with reported or assumed development or assessment work. Claims may or may not be active.
 - Mine: deposit with recorded production. Ore not necessarily shipped. Claims may or may not be active.

Ag, Au
ba, fl

Reported commodities are 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. Metalliferous commodities are abbreviated using their standard chemical symbols; nonmetalliferous commodities are abbreviated as follows: ba, barite; fl, fluorite; gr, garnet; mag, magnetite; ps, phosphate; wi, witherite; RA, radioactive mineral or other material; REE, rare earth elements.

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(17)

Numbers adjacent to the symbols on the map correspond to map numbers in the descriptive tables that accompany this report. Numbers in parentheses correspond to localities examined in 1978 and 1979 by U.S.G.S. geologists and by E. W. Mackevett (table 2).



PRELIMINARY MAP AND TABLES DESCRIBING MINES, PROSPECTS, AND SELECTED METALLIFEROUS AND NONMETALLIFEROUS
MINERAL OCCURRENCES IN THE PETERSBURG AND EASTERN PORT ALEXANDER QUADRANGLES, ALASKA

by

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