



EXPLANATORY NOTE

This map and accompanying description of deposits 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 deposit" is used in the broad sense to include deposits at mines and prospects, and occurrences of possible economic significance which may be unclaimed. Unvaluated or untested occurrences of apparently anomalous metals in rock geochemical samples are excluded. Many deposits are known only from U.S. Bureau of Mines claim maps (1980a, 1980b) or records maintained by the Alaska Division of Geological and Geophysical Surveys; information on many of these deposits is limited to the commodity of interest on the claim (to 1972) and the year(s) in which the claim was active. Certain nonmetallic commodities, including barite, fluorite, garnet, and radioactive minerals are known in the study area and are described in this report. Several low-unit-value nonmetallic commodities such as construction materials and decorative stone also occur widely but are not described in this report. Fossil fuel resources are not known in the quadrangles.

SYMBOLS

- Occurrence: minor or unvaluated occurrence of mineral commodity(ies).
- Mine or Prospect: includes deposits with reported or assumed exploration and deposits with recorded production. Claims may or may not be currently active.
- Claims(s): location of one or a few current or former mining claims (not otherwise classified as a prospect or mine above) as provided by records maintained by the Alaska Division of Geological and Geophysical Surveys. In some cases, the location is approximate or uncertain.
- Claim block: outline of area blanketed by current or former claims or which contains numerous claims or claim blocks indicated in records maintained by the Alaska Division of Geological and Geophysical Surveys. The outline is for informational purposes only; the exact boundaries can be defined only by field examination of the claim posts.
- Au, Garnet, REE The principal commodity(ies) of interest at each deposit listed (when known) in descending order of economic importance. Metalliferous commodities are abbreviated using standard chemical symbols. Nonmetalliferous mineral commodities are either spelled out or abbreviated as follows: RA, radioactive minerals; REE, rare earth elements; F, fluorite.
- 37 Numbers adjacent to the symbols on the map correspond to the map number used in the deposit descriptions that accompany this map.

Also see the introduction section of the accompanying description of deposits for additional background on the terminology used and the limitations in the data used in preparing this map.

Base from U.S.G.S. topo series 1:250,000
PETERSBURG, 1960, SUNDUM, 1961, PORT ALEXANDER, 1951,
SITKA, 1951, ALASKA.
Compiled by Base Maps Section, Menlo Park
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MAP AND DESCRIPTION OF THE MINERAL DEPOSITS IN THE
PETERSBURG AND EASTERN PORT ALEXANDER QUADRANGLES,
SOUTHEASTERN ALASKA

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This map is preliminary and has
not been reviewed for conformity
with U.S. Geological Survey editorial
standards and stratigraphic nomenclature.