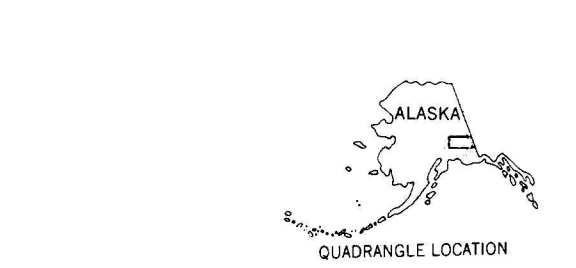


BASE FROM U. S. GEOLOGICAL SURVEY, 1965

GEOLOGY GENERALIZED FROM MACKEVETT, 1976



SCALE 1:20000

CONTOUR INTERVAL 200 FEET CONTAIN MEAN SEA LEVELS

EXPLANATION FOR MINERAL DEPOSITS AND OCCURRENCES MAP. Includes legend for surface deposits, metamorphic rocks, and secondary igneous, volcanic, and tectonic rocks.

MINERAL DEPOSITS AND OCCURRENCES IN THE MCCARTHY QUADRANGLE, ALASKA

BY

E. M. MACKEVETT, JR.

MINERAL DEPOSITS AND OCCURRENCES

This section briefly describes the mineral deposits and their occurrences in the McCarthy Quadrangle, Alaska...

The placer deposits shown on the map and table are derived equally from previously known mines and from new discoveries...

The McCarthy Quadrangle contains numerous and diverse mineral deposits and occurrences. Copper is the dominant mineral commodity...

MINERAL DEPOSITS

Copper: Numerous copper deposits in the quadrangle are categorized into the following types: (1) sedimentary, (2) igneous and associated deposits, (3) porphyry, (4) mafic copper, (5) contact metamorphic, and (6) placer.

Nonmetallic Deposits: Nonmetallic-type deposits include the quadrangle's mineral production. They are categorized by their mineral content...

Placer: Placer deposits in the McCarthy Quadrangle are derived from local igneous and metamorphic rocks. They are primarily composed of sand, gravel, and silt...

Other Metals: The category "Other Metals" includes all metals detected in abundance that are not copper, gold, and silver...

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Silver

Silver occurs widely throughout the quadrangle in a variety of petrologic settings. Basaltic flow distribution, silver is the dominant metal in only a few deposits, such as (175).

The silver-bearing lodes are in diverse host rocks in the McCarthy Quadrangle. Most of the silver deposits contain silver and gold in a variety of host rocks.

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Analysis by U.S. Geological Survey analysts: Lowell Anzls, S. A. Betts, Fugate Ross, Gifford Olson, Paul Elmore, J. L. Dixon, J. Kelsey, Herbert Frenschmann, Heaton Stein, and Dennis Taylor.

The most extensive and pure carbonate rocks are in the upper part of the McCarthy Quadrangle. These are the upper part of the McCarthy Quadrangle. They are primarily composed of sand, gravel, and silt...

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Table with 5 columns: Mineral Name, Range, Weight percent, and other data.

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