UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE AMBLER RIVER QUADRANGLE, ALASKA

Compiled by

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913

Open-file map

1968

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

LODE DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/}
1	Malfiatti: Berg and Cobb (1967), p. 104	Cu
2	Jade Mountains: Brosge, Reiser, and Tailleir (1967), sample M98(A)	Cu, Pb
3	Jade Hills: Anderson (1945), p. 24	Ni
4	Aurora Mountain: Smith (1913), p. 149-150, 153	Cu, Au, Pb, Ag
5	Iron Mountain: Smith and Mertie (1930), p. 343	Fe
6	Ruby Creek: Berg and Cobb (1967), p. 105-106	Cu, Au, Pb, Zn
7	Riley Creek: Smith and Mertie (1930), p. 336	Au
8	Shishakshinovich Pass: Smith (1913), p. 150	Cu, Au, Pb, Ag
^{1/}	Symbols - Cu, copper; Au, gold; Fe, iron; Pb, lead; Ni, nickel; Ag, silver; Zn, zinc.	

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/} , ^{2/}
9	Bismark Creek: Reed (1931), p. 14-15 Shungnak River: Smith (1913), p. 131-132; Reed (1931), p. 12-16	Au Cu, Au, Ag
10	Jay Creek: Reed (1931), p. 18	Au
11	Ruby Creek: Reed (1931), p. 18	Au
12	Riley Creek: Smith (1913), p. 129-131; Reed (1931), p. 22-24	Au
13	Pearl Creek: Smith (1934), p. 53	Au
14	Midas Creek: Smith (1913), p. 141-142	Au
^{1/}	Symbols - Cu, copper; Au, gold; Ag, silver.	
^{2/}	Gold has been produced from most of the listed placers.	

Placer deposits not shown on map because occurrences could not be located closely enough to plot:

<u>Name and principal reference</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
Agnes Creek: Brooks (1925), p. 51	Au
Ambler Valley: Brooks and Martin (1921), p. 95	Au
Boulder Creek: Smith (1941), p. 67	Au

1/ Symbol - Au, gold.

2/ Gold has been produced from most of the listed placers.

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- Berg, H. C., and Cobb, E. H., 1967, Metalliferous lode deposits of Alaska: U.S. Geol. Survey Bull. 1246, 254 p.
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- Brooks, A. H., and Martin, G. C., 1921, The Alaskan mining industry in 1919: U.S. Geol. Survey Bull. 714, p. 59-95.
- Brosge, W. P., Reiser, H. N., and Tailleux, I. L., 1967, Copper analysis of selected samples, southwestern Brooks Range, Alaska: U.S. Geol. Survey open-file rept., 1 sheet.
- Reed, Irving, 1931, Report on the placer deposits of the upper Kobuk goldfields: Alaska Dept. Mines, unpublished rept., 33 p.
- Smith, P. S., 1913, The Noatak-Kobuk region, Alaska: U.S. Geol. Survey Bull. 536, 160 p.
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- , 1941, Mineral industry of Alaska in 1939: U.S. Geol. Survey Bull. 926-A, p. 1-106.
- Smith, P. S., and Mertie, J. B., Jr., 1930, Geology and mineral resources of northwestern Alaska: U.S. Geol. Survey Bull. 815, 351 p.

SOURCES OF DATA ON DISTRIBUTION OF GRANITIC ROCKS

- Brosge, W. P., written communication, Feb. 15, 1968.
- Brosge, W. P., Reiser, H. N., and Tailleux, I. L., 1967, Copper analysis of selected samples, southwestern Brooks Range, Alaska: U.S. Geol. Survey open-file rept., map.

Index map showing location of the Ambler River quadrangle.