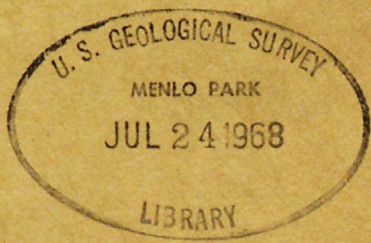


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U.S. Geological Survey. [REPORTS-OPEN FILE SERIES]

Metallic mineral resources map of the  
McGrath quadrangle, Alaska.



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✓✓  
GEOLOGICAL SURVEY

[REPORTS-OPEN FILE SERIES]

METALLIC MINERAL RESOURCES MAP OF THE MCGRATH QUADRANGLE, ALASKA

Compiled by

Edward H. Cobb

Open-file map

1968



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

22 } to accompany  
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U. S. GEOLOGICAL SURVEY  
Washington, D. C.  
20242

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1. Metallic mineral resources map of the Baird Mountains quadrangle, Alaska, compiled by Edward H. Cobb. 2 p., 1 map, scale 1:250,000.
2. Metallic mineral resources map of the Ambler River quadrangle, Alaska, compiled by Edward H. Cobb. 3 p., 1 map, scale 1:250,000.
3. Metallic mineral resources map of the Shungnak quadrangle, Alaska, compiled by Edward H. Cobb. 3 p., 1 map, scale 1:250,000.
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9. Metallic mineral resources map of the McGrath quadrangle, Alaska, compiled by Edward H. Cobb. 3 p., 1 map, scale 1:250,000.

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LODE DEPOSITS

<u>Number</u>	<u>Name and principal reference</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
1	Roundabout Mountain: Brooks and Martin (1921), p. 93	Cu, Ni
2-4	White Mountain: Sainsbury and MacKevett (1965), p. 21-35	<u>Hg</u>
5	Unnamed occurrence: Reed and Elliott (1968c), p. 3	Cu, Ni
6	Ozzna Creek tributary: Reed and Elliott (1968b), p. 4-8	Pb, Ag, Zn
7	Sheep Creek, Rat Fork: Reed and Elliott (1968b), p. 4, 6-7	Cu, Pb, Ag, Zn
8	Sheep Creek, Rat Fork: Reed and Elliott (1968b), p. 6-7	Cu, Pb, Zn
9	Sheep Creek: Reed and Elliott (1968b), p. 5-8	Zn
10	Sheep Creek: Reed and Elliott (1968b), p. 5-7	Zn
11	Tin Creek tributary: Reed and Elliott (1968b), p. 5-7	Cu
12	Unnamed occurrence: Reed and Elliott (1968b), p. 5-7	Pb
13	Hippie Creek: Reed and Elliott (1968b), p. 2, 5-8	Pb, Ag
14	Hippie Creek, South Fork: Reed and Elliott (1968b), p. 2, 6-7	Pb, Ag
15-17	Bowser Creek: Reed and Elliott (1968a), 17 p.	Cu, Au, Pb, Ag, Zn
18	Post River, West Fork : Reed and Elliott (1968b), p. 2, 6-7	Cu, Zn

1/ Symbols - Cu, copper, Au, gold, Pb, lead; Hg, mercury; Ni, nickel; Ag, silver; Zn, zinc.

2/ Symbol underlined indicated recorded production.

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
19	Candle Creek: Mertie (1936), p. 197-198; White and Killeen (1953), p. 16, 18	<u>Au</u> , <u>Hg</u> , Mz(?), W
20	Alder Creek (Gulch): Smith (1934), p. 45; unpublished data	Sb, Bi, <u>Au</u> , W

1/ Symbols - Sb, antimony; Bi, bismuth; Cu, copper; Au, gold; Hg, mercury; Mz, monazite; W, tungsten.

2/ Symbol underlined indicates recorded production.

<u>Number</u>	<u>Name and principal reference</u>	<u>Commodity</u> <sup>1/</sup>
21	Ozzna Creek: Reed and Elliott (1968b), p. 4, 6-7	Pb, Zn
22	Tin Creek tributary: Reed and Elliott (1968b), p. 5-7	Cu, Zn
23	Unnamed creek: Reed and Elliott (1968b), p. 5-7	Cu, Zn

Placer deposit not shown on map because occurrence could not be located closely enough to plot:

Black Creek: Smith (1933), p. 43 Au

<sup>1/</sup> Symbols - Cu, copper; Au, gold; Pb, lead; Zn, zinc.

#### REFERENCES

- Brooks, A. H., and Martin, G. C., 1921, The Alaskan mining industry in 1919: U.S. Geol. Survey Bull. 714, p. 59-95.
- Mertie, J. B., Jr., 1936, Mineral deposits of the Ruby-Kuskokwim region, Alaska: U.S. Geol. Survey Bull. 864-C, p. 115-245.
- Reed, B. L., and Elliott, R. L., 1968a, Lead, zinc, and silver deposits at Bowser Creek, McGrath A-2 quadrangle, Alaska: U.S. Geol. Survey Circ. 559, 17 p.
- , 1968b, Geochemical anomalies and metalliferous deposits between Windy Fork and Post River, southern Alaska Range: U.S. Geol. Survey Circ. 569, 22 p.
- , 1968c, Results of stream sediment sampling in parts of the southern Alaska Range: U.S. Geol. Survey open-file rept., 9 p.
- Sainsbury, C. L., and MacKevett, E. M., Jr., 1965, Quicksilver deposits of southwestern Alaska: U.S. Geol. Survey Bull. 1187, 89 p.
- Smith, P. S., 1933, Mineral industry of Alaska in 1930: U.S. Geol. Survey Bull. 836, p. 1-83.
- , 1934, Mineral industry of Alaska in 1933: U.S. Geol. Survey Bull. 864-A, p. 1-94.
- White, M. G., and Killeen, P. L., 1953, Reconnaissance for radioactive deposits in the lower Yukon-Kuskokwim highlands region, Alaska, 1947: U.S. Geol. Survey Circ. 255, 17 p.

#### SOURCES OF DATA ON DISTRIBUTION OF GRANITIC ROCKS

- Cobb, E. H., 1968, Interpretation of vertical aerial photographs.
- Mertie, J. B., Jr., and Harrington G. L., 1924, The Ruby-Kuskokwim region, Alaska: U.S. Geol. Survey Bull. 754, pl. IV.
- Reed, B. L., and Elliott, R. L., 1968a, Lead, zinc, and silver deposits at Bowser Creek McGrath A-2 quadrangle, Alaska: U.S. Geol. Survey Circ. 559, fig. 2.
- , 1968b, Geochemical anomalies and metalliferous deposits between Windy Fork and Post River, southern Alaska Range: U.S. Geol. Survey Circ. 569, fig. 2.
- , 1968c, Results of stream sediment sampling in parts of the southern Alaska Range: U.S. Geol. Survey open-file rept., figs. 2, 3.





