#315

State C-11

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE HUGHES QUADRANGLE, ALASKA

Compiled by

Edward H. Cobb

Open-file map

1968

RECEIVED
JUL 26 1968
DIVISION OF MINES & MINERALS
ANCHORAGE

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</u>	<u>Commodity</u> <u>1/</u>
1	Lake Selby: Patton and Miller (1966), locality 4	Cu
2	Unnamed occurrence: Patton and Miller (1966), locality 5	Mn
3	Black Creek: Miller and Ferrians (1968), p. 5-6	Cu
4	Indian River: Joesting (1942), p. 29	Mo
5	Indian River: Miller and Ferrians (1968), p. 5	Zn

1/ Symbols - Cu, copper; Mn, manganese; Mo, molybdenum; Zn, zinc.

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
6	Bear Creek (Hogatza): Miller and Ferrians (1968), p. 9; unpublished data	Au, Pt, Sn
7	Hughes Bar: Smith (1913), p. 142; Reed (1938), p. 163	Au
8	Pocahontas Creek: Eakin (1913), field notes; Eakin (1916), p. 83	Au
9	Black Creek: Eakin (1916), p. 83-84	Au
	Felix Creek (Fork): Smith (1913), p. 143; Martin (1919), 39	Au
	Indian River: Eakin (1916), p. 82-84; U.S. Geological Survey (1965), p. A102; Patton and Miller (1966)	Au
	Snyder Creek: Smith (1913), p. 143	Au
10	Red Mountain: Eakin (1914), p. 383; Reed (1938), p. 163	Au
11	Helpmejack Creek: Mendenhall (1902), p. 50	Au
12	Rocky Bottom Creek: Mendenhall (1902), p. 50	Au

1/ Symbols - Au, gold; Pt, platinum-group metals; Sn, tin.

2/ Gold has been produced from the listed placers.

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- Patton, W. W., Jr., and Miller T. P., 1966, Regional geologic map of the Hughes quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-459.
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- U.S. Geological Survey, 1965, Geological Survey research, 1965: U.S. Geol. Survey Prof. Paper 525-A, p. A1-A376.

SOURCE OF DATA ON DISTRIBUTION OF GRANITIC ROCKS

- Patton, W. W., Jr., and Miller, T. P., 1966, Regional geologic map of the Hughes quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-459.

Index map showing location of the Hughes quadrangle.