OF 357

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE GULKANA QUADRANGLE, ALASKA

Compiled by

Neal A. Matson, Jr.

PROPERTY OF DGGS LIBRARY

Open-file map

1969

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

REC'D. COLLEGE
MAY 27 1969
DIV. MINES & GEOLOGY

LODE DEPOSITS

Number	Name and principal reference(s)	Commodity [1/]
1	Meier Lake: Rose and Saunders (1965), p. 13	Cu
2-3	Hogan Hill: Rose and Saunders (1965), p. 14	Cu
4	West Fork Indian Creek (Burns): Smith (1932), p. 124, Moffit (1938), p. 46; Thorne (1946), p. 5-6	Cu, Pb
5	Indian: Thorne (1946), p. 3-5; Richter (1966), p. 29-30.	Cu, Pb, Ag
6	Unnamed occurrence: Richter (1966), p. 31; Richter and Matson (1968), p. 3	Cu, Mo
7	The Dome: Richter (1966), p. 31	Cu, Pb
8	West Fork Ahtell Creek (Neversweat): Thorne (1946), p. 6-7; Moffit (1954), p. 211; Richter (1966), p. 30-31	Cu, Pb, Ag
9	Unnamed prospect: Stanley (1969)	Cu
10	Judy Prospect: Stanley (1969)	Cu, Au
11	Unnamed occurrence: Richter (1966), p. 48	Cu
12	Silver Creek: Thorne (1946), p. 7-8; Moffit (1954), p. 210-211; Richter (1966), p. 32-33	Cu, Au, Pb, Ag, Zn
13	Gold-Quartz Prospect: Richter (1966), p. 33	Cu, Au, Pb, Ag, Zn
14	Silver Shield: Richter (1966), p. 32	Pb, Ag
15	Unnamed occurrence: Richter (1966), p. 32; Richter (1969)	Cu, Pb, Ag
16	Lyons Prospect: Richter (1966), p. 31	Cu

1/ Symbols: Cu, copper; Au, gold; Pb, lead; Mo, molybdenum; Ag, silver; Zn, zinc.

PRODUCTIVE PLACER DEPOSITS

Number	Name and principal reference(s)	Commodity 1/, 2/
17	Grubstake Creek: Moffit (1938), p. 48-50; Moffit (1954), p. 195	Cu, Au, Ag
18	Slope Creek: Moffit (1938), p. 50-51; Moffit (1945), p. 43-44	Bi, Cu, Au, Ag

1/ Symbols: Bi, bismuth; Cu, copper; Au, gold; Ag, silver.

2/ Symbol underlined indicates known production.

PLACER OCCURRENCES

Number	Name and principal reference(s)	Commodity 1/
19	Granite Creek: Moffit (1938), p. 51; Moffit (1954), p. 196	Au
20	Hidden Creek: Moffit (1938) p. 51; Richter (1969)	Au
21	Ahtell Creek: Moffit (1938), p. 51; Richter (1969)	Au
22	Boulder Creek: Moffit (1938), p. 50-51; Richter (1966), p. 34	Au

1/ Symbol: Au, gold.

REFERENCES

Moffit, F. H., 1938, Geology of the Slana-Tok District, Alaska: U. S. Geol. Survey Bull. 904, p. 1-54.

_____, 1945, Mining in the northern Copper River region, Alaska: U. S. Geol. Survey Bull. 943-B, p. 25-47.

_____, 1954, Geology of the eastern part of the Alaska Range and adjacent area: U. S. Geol. Survey Bull. 989-D, p. 65-218.

Richter, D. H., 1966, Geology of the Slana District, southcentral Alaska: Alaska Div. of Mines and Minerals Geol. Rept. 21, p. 1-51.

_____, 1969, unpublished data.

Richter, D. H., and Matson, N. A., Jr., 1968, Distribution of gold and some base metals in the Slana area, eastern Alaska Range, Alaska: U. S. Geol. Survey Circ. 593, p. 1-20.

Rose, A. W., and Saunders, R. H., 1965, Geology and geochemical investigations near Paxson, northern Copper River Basin, Alaska: Alaska Div. of Mines and Minerals Geol. Rept. 13, p. 1-35.

Smith, P. S., 1932, Mineral industry of Alaska in 1929: U. S. Geol. Survey Bull. 824, p. 1-81.

Stanley, Kirk, 1969, unpublished data

Thorne, R. L., 1946, Exploration of argentiferous lead-copper deposits of the Slana District, Alaska: U. S. Bur. Mines Rept. Inv. 3940, p. 1-9.

SOURCES OF DATA ON DISTRIBUTION OF IGNEOUS ROCKS

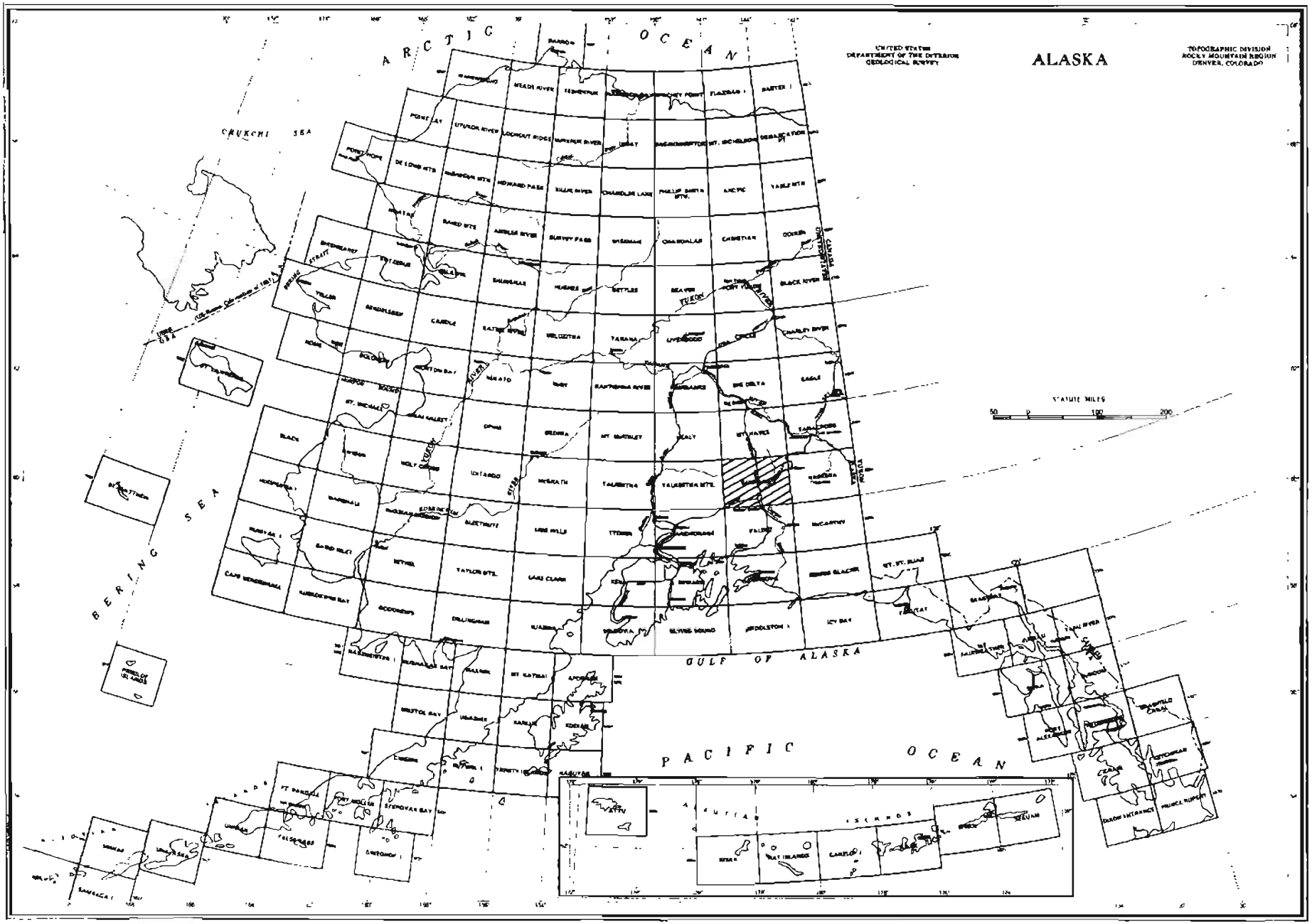
Mendenhall, W. C., 1905, Geology of the central Copper River Region, Alaska: U. S. Geol. Survey Prof. Paper 41, pl. IV.

Moffit, F. H., 1954, Geology of the eastern part of the Alaska Range and adjacent area: U. S. Geol. Survey Bull. 989-D, pl. 7.

Richter, D. H., 1966, Geology of the Slana District, southcentral Alaska: Alaska Div. of Mines and Minerals Geol. Rept. 21, fig. 2.

_____, 1967, Geology of the upper Slana-Mentasta Pass area, southcentral Alaska: Alaska Div. of Mines and Minerals Geol. Rept. 30, fig. 2.

Rose, A. W., and Saunders, R. H., 1965, Geology and geochemical investigations near Paxson, northern Copper River Basin, Alaska: Alaska Div. of Mines and Minerals Geol. Rept. 13, figs. 1-5.



Index map showing location of the Gulkana quadrangle