UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE MOUNT HAYES QUADRANGLE, ALASKA

Compiled by
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Open-file map

1967

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	Ptarmigan Creek: Smith (1942a), p. 194-195	Au, Mo
2	Gunnysack Creek: Joesting (1942), p. 12; Moffit (1942), p. 144	Sb, Au
3	Black Rapids: Ebbley and Wright (1948), p. 35-36; Moffit (1954), p. 207-208	Sb
4	Unnamed occurrence: Kaufman (1964), p. 7-8, 12	Cu, Mo
5	Unnamed occurrence: Kaufman (1964), p. 7	Cu
6	Unnamed occurrence: Kaufman (1964), p. 7, 12	Cu
7	Unnamed occurrence: Saunders (1961), p. 38	Cu
8	Unnamed occurrence: Saunders (1961), p. 39; Kaufman (1964), p. 8, 13	Cu, Fe
9-10	Unnamed occurrences: Kaufman (1964), p. 8	Cu
11	Hidden Lake: Kaufman (1964), p. 8	Cu
12	Unnamed occurrence: Kaufman (1964), p. 9-10	Cu
13	Unnamed occurrence: Kaufman (1964), p. 9	Cu
14	Kathleen-Margaret (K-M): Chapman and Saunders (1954), 5 p.; Kaufman (1964), p. 4-5, 8-9, 13	Cu, Au, Ag
15	Unnamed occurrence: Rose (1966), p. 20-21	Fe
16	Unnamed occurrence: Rose (1966), p. 20	Cu
17	Unnamed occurrence: Rose (1966), p. 21	Cu
18	Unnamed occurrence: Rose (1966), p. 20	Cu, Ag
19	Unnamed occurrence: Rose (1965), p. 31, 33	Cu, Au, Ni, Ag
20	Unnamed occurrence: Rose (1965), p. 30	Cu
21	Green Wonder: Rose (1965), p. 29	Cr, Pb, Ni, Zn

^{1/} Symbols - Sb, antimony; Cr, chromite; Cu, copper; Au, gold; Fe, iron; Pb, lead; Mo, molybdenum; Ni, nickel; Ag, silver; Zn, zinc.

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/}
22	Unnamed occurrence: Rose (1965), p. 29, 33	Cu
23	Unnamed occurrence: Rose (1965), p. 29	Cu
24	Unnamed occurrence: Rose (1965), p. 29-30, 33	Cu, Au, Pb, Ni, Ag, Zn
25	Unnamed occurrence: Rose (1965), p. 30, 33	Cu
26	Eastern Star: Rose (1965), p. 27, 33 Moneta-Porcupine Mining Co.: Rose (1965), p. 27-28, 33 Pioneer: Rose (1965), p. 27, 33 Rainbow: Rose (1965), p. 27, 33	Cu, Au, Ag Cu Cu, Au, Ag Cu, Au, Ag
27	Unnamed occurrences: Rose (1965), p. 28-29, 33	Cu, Au, Ni, Ag
28	Unnamed occurrence: Rose (1965), p. 28, 33	Cu, Au, Ag
29	Unnamed occurrence: Rose (1965), p. 28, 33	Cu
30	Unnamed occurrence: Rose (1965), p. 27, 33	Cu, Au, Ni, Ag
31	Unnamed occurrence: Rose (1965), p. 30	Cu
32	Rainy Creek: Brooks (1918), p. 43-44	Cu, Au
33	Bee Mining Co.: Rose (1965), p. 25-26, 32-33	Cu, Au, Pb, Ni, Ag
34	Rainbow Mountain: Hanson (1963), p. 67-69	Cu, Au, Pb, Ag
35	Emerick: Hanson (1963), p. 67	Cu, Ni
36	Rainbow Mountain: Hanson (1963), p. 67-71	Cu, Au, Pb, Ag
37	Glacier Lake: Rose (1965), p. 25, 32-33 Rainbow Mountain: Hanson (1963), p. 71-72	Cu, Au, Ni, Ag Cu, Au, Ni
38	Rainbow Mountain: Hanson (1963), p. 67-70	Cu, Au, Pb
39-41	Rainbow Mountain: Hanson (1963), p. 67-70	Cu, Au, Pb, Ag
42	Rainbow Mountain: Hanson (1963), p. 67-69, 73	Cu
43	Rainbow Mountain: Hanson (1963), p. 67-69	Cu
44	Rainbow Mountain: Hanson (1963), p. 67-70	Cu, Au, Pb, Ag

^{1/} Symbols - Cu, copper; Au, gold; Pb, lead; Ni, nickel; Ag, silver; Zn, zinc.

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/}
45	Rainbow Mountain: Hanson (1963), p. 67-70	Cu, Au, Pb
46	Rainbow Mountain: Hanson (1963), p. 67-69	Cu
47	McCumber (Macomber) Creek: Moffit (1942), p. 144	Pb
48-49	Paxson Mountain: Rose and Saunders (1965), p. 12	Cu
50	Tripp: Rose and Saunders (1965), p. 12	Cu, Ag
51-52	Paxson Mountain: Rose and Saunders (1965), p. 11	Cu
53	Paxson's: Martin (1920), p. 20	Cu
54	Paxson Mountain: Rose and Saunders (1965), p. 10	Cu
55	Paxson Mountain: Rose and Saunders (1965), p. 11	Cu
56	Unnamed occurrence: Rose (1967), p. 19, 27	Cu
57	Unnamed occurrence: Rose (1967), p. 20, 27	Cu, Au, Ag
58	Unnamed occurrence: Rose (1967), p. 20	Cu
59	Unnamed occurrence: Rose (1967), p. 21	Fe
60	Unnamed occurrence: Rose (1967), p. 21, 27	Cu, Au
61	Unnamed occurrences: Rose (1967), p. 21, 27	Au, Ag
62-63	Unnamed occurrences: Rose (1967), p. 22, 27	Cu, Au, Ag
64	Unnamed occurrence: Rose (1967), p. 22	Cu
65	Unnamed occurrence: Rose (1967), p. 22, 27	Au
66	Unnamed occurrence: Rose (1967), p. 22, 27	Cu, Ag
67	Northland Mines: Rose (1967), p. 23	Cu
68	Unnamed occurrence: Rose (1967), p. 22, 27	Ag
69	Slana River: Richter (1967), p. 17-18	Cu, Au, Ni
70	Gillett Pass: Richter (1967), p. 12, 18	Cr, Ni
71	Alteration Creek: Richter (1967), p. 16-18	Cu, Au, Ag

^{1/} Symbols - Cr, chromite; Cu, copper; Au, gold; Pb, lead; Ni, nickel; Ag, silver; Zn, zinc.

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
72	Ober Creek: Wedow, Killeen, and others (1954), p. 18	Au, Mz
73	McCumber (Macomber) Creek: Moffit (1942), p. 143-144	Au
74	Morningstar Creek: Smith (1933), p. 34	Au
75	Broxon Gulch: Rose (1965), p. 2, 35	Au
76	Specimen Creek: Rose (1965), p. 35	Au
77	Rainy Creek, West Fork: Rose (1965), p. 34	Au
78	Rainy Creek: Rose (1965), p. 2, 34	Au
79	Delta River: Moffit (1912), p. 65	Au
80	Yukon Corp.: Wedow, Killeen, and others (1954), p. 18	Au
81	Gunn Creek: Rose and Saunders (1965), p. 15	Cr, Au, W, Zn
82	Chistochina River, West Fork: Rose (1967), p. 35-36	W
83	Chistochina River: Rose (1967), p. 35-36	W
84	Chistochina River: Rose (1967), p. 26	Au, Pt
85	Miller Gulch: Moffit (1954), p. 191-193; Rose (1967), p. 23-25	Cu, Au, Hg, Pt
	Slate Creek: Moffit (1944), p. 31-33; Rose (1967), p. 23-25	Au, Pt
86	Big Four Creek: Rose (1967), p. 25-26	Au
87	Ruby Gulch: Moffit (1954), p. 191-192	Au
88	Quartz Creek: Rose (1967), p. 26	Au
89-91	Chistochina River, Middle Fork (including Bedrock, Kraemer, and Limestone Creeks): Moffit (1944), p. 34-40	Cr, Cu, Au, Pb, Pt, Ag

1/ Symbols - Cr, chromite; Cu, copper; Au, gold; Pb, lead; Hg, mercury; Mz, monazite; Pt, platinum-group metals; Ag, silver, W, tungsten; Zn, zinc.

2/ Gold has been produced from most of, and platinum from several of, the listed placers.

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
92	Dempsey: Moffit (1912), p. 77	Au
93	Chisna River: Moffit (1944), p. 29-31	Au
94	Eagle Creek: Moffit (1944), p. 40-42	Cu, Au, Pt
95	Slana River tributary: Richter (1967), p. 16	Au

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>
Daisy Creek: Moffit (1909), p. 157	Au
Eureka Creek: Moffit (1912), p. 65-66	Au
Hidden Treasure Creek: Brooks (1915), p. 45	Au
Jarvis Creek: Wedow, Killeen, and others (1954), p. 18	Au
Kenyon Creek: Brooks (1915), p. 50-51	Au
Pegmatite Creek: Moffit (1942), p. 144	Au
Ruby Creek: Brooks (1915), p. 50	Au
Savage Creek: Brooks and Capps (1924), p. 38	Au
Treasure Gulch: Smith (1942b), p. 75	Au, Pt

1/ Symbols - Cu, copper; Au, gold; Pt, platinum-group metals.

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

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Index map showing location of the Mount Hayes quadrangle.