

Number	Name and principal reference(s)	Commodity 1/ 2/
1	Lituya Bay: Kennedy and Walton, 1946, p. 71	Cu
2	Lituya Bay: MacKevett and others, 1971, p. 64	Au
3	South Crillon Glacier: Kennedy and Walton, 1946, p. 71; MacKevett and others, 1971, p. 53	Cu, Fe
4	North Crillon Glacier: Kennedy and Walton, 1946, p. 71	Cu
5-6	North Crillon Glacier: MacKevett and others, 1971, p. 52	Cu
7	Mount Marcheville: MacKevett and others, 1971, p. 52	Cu
8	Brady Glacier: Cornwall, 1971	Cu, Co, Ni
9	Astrolabe Peninsula: Rosman, 1959a, p. P44-P45	Fe
10	Johns Hopkins Inlet: MacKevett and others, 1971, p. 41	Cu
11	Johns Hopkins Inlet: Read, 1938, p. 51-52; MacKevett and others, 1971, p. 51-52	Cu, Ag
12-13	Tarr Inlet: MacKevett and others, 1971, p. 51	Cu
14	Johns Hopkins Inlet: MacKevett and others, 1971, p. 41	Cu
15	Johns Hopkins Inlet: MacKevett and others, 1971, p. 52	Cu
16	Parker: Tuenhofel, Read, and Gates, 1949, p. 33-34	Au, Pb
17	LeRoy: Tuenhofel, Read, and Gates, 1949, p. 33-34; Rosman, 1959a, p. 45-46; MacKevett and others, 1971, p. 53-59	Cd, Cu, Au, Pb, Ag, Zn
18	Paragan Creek: Rosman, 1959a, p. 55-56	Zn
19	Monarch: Rosman, 1959a, p. 46-52; MacKevett and others, 1971, p. 60-62	Au, Pb, Bi
20	Rainier: Tuenhofel, Read, and Gates, 1949, p. 31, 33-34; MacKevett and others, 1971, p. 59-60	Au, Pb, Ag, Zn
21	Sentinel: Rosman, 1959a, p. 54; MacKevett and others, 1971, p. 60	Au, Pb
22	Lucas: Rosman, 1959a, p. 46-48; MacKevett and others, 1971, p. 62	Au
23	Knabler: Rosman, 1959a, p. 55; MacKevett and others, 1971, p. 64	Au, Pb, Ag, Zn
24	Highland Chief: Rosman, 1959a, p. 54-55	Au
25	Galena: Tuenhofel, Read, and Gates, 1949, p. 31, 33; MacKevett and others, 1971, p. 63	Au, Pb, Ag, Zn
26	Sunrise: MacKevett and others, 1971, p. 62-63	Au, Ag, W
27	Hopalong: Rosman, 1959a, p. 56	Au
28	Malley: Rosman, 1959a, p. 56	Au
29	Unnamed occurrence: Rosman, 1959a, p. 56	Au
30	Lampugh Glacier: MacKevett and others, 1971, p. 79	Cu
31	Russell Island: MacKevett and others, 1971, p. 67	Au
32	Hendu Inlet: MacKevett and others, 1971, p. 79	Cu, Mo
33	Hendu Inlet: Rosman, 1963b, p. K48-K49; MacKevett and others, 1971, p. 69	Cu, Ag
34	Hendu Inlet: MacKevett and others, 1971, p. 70	Cu, Fe
35	Hendu Inlet: MacKevett and others, 1971, p. 50, 73	Cu, Ni
36	Gilbert Island: Rosman, 1963b, p. K40	Mo
37	Gilbert Island: Rosman, 1963b, p. K50; MacKevett and others, 1971, p. 50-51	Cu, Au, Pb, Mo, Ag, Zn
38	Unnamed island: MacKevett and others, 1971, p. 50-51	Cu, Mo
39	Blue House Cove: Rosman, 1963b, p. K50; MacKevett and others, 1971, p. 50	Au, Ag, Zn
40	Triangle Island: Rosman, 1963b, p. K49	Mo
41	Queen Inlet: MacKevett and others, 1971, p. 70, 72	Cu, Co, Fe
42	Macneast Inlet (Platane Glacier): MacKevett and others, 1971, p. 78	Cu, Mo
43	Bruce Hill: Rosman, 1963b, p. K49-K50; MacKevett and others, 1971, p. 48-50	Cu, Pb, Mo, Zn
44	Tidal Inlet: MacKevett and others, 1971, p. 50	Cu, Co, Ni
45	Husatak: Tuenhofel, Robinson, and Geulit, 1946, p. 9-18; Rosman, 1963b, p. K49; MacKevett and others, 1971, p. 74-78	Cu, Au, Mo, Ag
46	Red Mountain: MacKevett and others, 1971, p. 55	Cd, Zn

Number	Name and principal reference(s)	Commodity 1/ 2/
45	Adams Inlet: Smith, 1942, p. 178	Mo
46	Shag Cove: MacKevett and others, 1971, p. 51	Cu, Co
47	Francis Island: Buddington, 1926, p. 56; MacKevett and others, 1971, p. 45	Cu, Au, Ag
48	Willoughby Island: Read, 1938, p. 70-72; Rosman, 1963b, p. K48	Sb, Cu, Au, Pb, Ag, Zn
49	Willoughby Island: Read, 1938, p. 70	Cu
50	North Marble Island: Rosman, 1963b, p. K51; MacKevett and others, 1971, p. 44	Cu, Fe, Zn
51	South Marble Island: Read, 1938, p. 69, 79	Mo
52	Geikie Inlet: Smith, 1942, p. 178	Mo
53	Abyss Lake: MacKevett and others, 1971, p. 72	Cu, Fe
54	Brady Glacier: Rosman, 1963b, p. K50	Au
55	Dundas Bay, West Arm: MacKevett and others, 1971, p. 51	Cu
56	Unnamed occurrence: MacKevett and others, 1971, p. 67	Au
57-58	Dundas Bay: MacKevett and others, 1971, p. 48	Cu
59	Alaska Chief: MacKevett and others, 1971, p. 45-48	Cu, Co, Au, Ni, Ag, Zn
60	Dundas Bay: MacKevett and others, 1971, p. 70	Fe
61	Whitney: Smith, 1942, p. 176-177	Mo
62	Willoughby Cove: Smith, 1942, p. 177	Cu, Mo
63	Harvitz: Read, 1938, p. 75-76, 79	Au
64	Yakobi Island: Overbeck, 1939, p. 121	Cu, Au

Number	Name and principal reference(s)	Commodity 1/ 2/
65-66	Lituya Bay: Merritt, 1933, p. 133-135; Rosman, 1957	Au, Pt
67	Oregon King Consolidated: MacKevett and others, 1971, p. 67-68	Au
68	Taylor Bay (Brady Glacier): Rosman, 1963b, p. K50-K51	Au
69	Dundas River: MacKevett and others, 1971, p. 62	Au
70	Wood Lake (Dundas River): Rosman, 1963b, p. K50	Au
71	Unnamed occurrence: Rosman, 1959a, p. 211	Au

1/ Symbol - Sb, antimony; Cd, cadmium; Co, cobalt; Cu, copper; Au, gold; Pb, lead; Fe, iron; Mo, molybdenum; Ni, nickel; Pt, platinum-group metals; Ag, silver; W, tungsten; Zn, zinc.
2/ Symbol underlined indicates recorded production.
3/ Gold has been produced from several of the listed placers.

REFERENCES

Buddington, A. F., 1926, Mineral investigations in southeastern Alaska: U.S. Geol. Survey Bull. 783, p. A162.

Cornwall, H. B., 1971, Brady Glacier prospect, in MacKevett, E. M., Jr., and others, Mineral resources of Glacier Bay National Monument, Alaska: U.S. Geol. Survey Prof. Paper 632, p. 79-82.

Kennedy, G. C., and Walton, M. S., Jr., 1946, Geology and associated mineral deposits of some ultrabasic rock bodies in southeastern Alaska: U.S. Geol. Survey Bull. 741-D, p. 55-84.

MacKevett, E. M., Jr., Bray, D. A., Hawley, C. C., Huff, L. C., and Smith, J. G., 1971, Mineral resources of Glacier Bay National Monument, Alaska: U.S. Geol. Survey Prof. Paper 632, 90 p.

Merritt, J. B., Jr., 1933, Notes on the geography and geology of Lituya Bay: U.S. Geol. Survey Bull. 836, p. 117-135.

Overbeck, R. M., 1939, Geology and mineral resources of the west coast of Chichagof Island: U.S. Geol. Survey Bull. 662, p. K1-36.

Read, J. C., 1938, Some mineral deposits of Glacier Bay and vicinity, Alaska: Geol. Geology, v. 33, p. 42-60.

Rosman, D. L., 1957, Ilmenite-bearing beach sands near Lituya Bay, Alaska: U.S. Geol. Survey open-file report, 10 p.

1959a, Geology and ore deposits in the Reid Inlet area, Glacier Bay, Alaska: U.S. Geol. Survey Bull. 1058-B, p. 33-59.

1959b, Geology and ore deposits of northeastern Chichagof Island, Alaska: U.S. Geol. Survey Bull. 1058-B, p. 139-216.

1963a, Geology and petrology of two stocks of layered gabbro in the Fairweather Range, Alaska: U.S. Geol. Survey Bull. 1121-F, p. F1-F50.

1963b, Geology of the eastern part of the Mount Fairweather quadrangle, Glacier Bay, Alaska: U.S. Geol. Survey Bull. 1121-K, p. K1-K37.

Smith, F. S., 1942, Occurrence of molybdenum minerals in Alaska: U.S. Geol. Survey Bull. 826, p. 163-210.

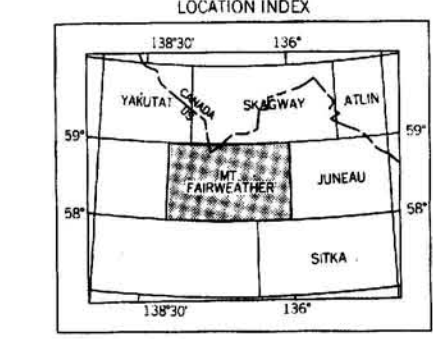
Tuenhofel, W. S., Read, J. C., and Gates, G. O., 1949, Some mineral investigations in southeastern Alaska: U.S. Geol. Survey Bull. 664, p. 1-43.

Tuenhofel, W. S., Robinson, G. D., and Geulit, E. R., 1946, Molybdenite investigations in southeastern Alaska: U.S. Geol. Survey Bull. 647-B, p. 7-38.

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SCALE 1:250,000
0 5 10 15 20 25 MILES
0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100-FOOT CONTOURS
DATHUM IS MEAN SEA LEVEL



EXPLANATION
 ◊ 3 Lode deposit
 X 70 Placer deposit
 numbers refer to accompanying list

METALLIC MINERAL RESOURCES MAP OF THE MOUNT FAIRWEATHER QUADRANGLE, ALASKA

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