

MOLYBDENUM OCCURRENCES IN ALASKA

By Edward H. Cobb

REFERENCE LIST

References listed give data on localities and are keyed by number to locations shown on the map. The reference(s) shown for each occurrence is the most complete or most recent available as of December 31, 1972.

1. Leffingwell Glacier: Sable, 1965, p. 207
2. Unnamed occurrence: Miller and Ferrians, 1968, p. 6, 8
3. Indian River: Joesting, 1942, p. 29
4. Trout Creek: Smith, P. S., 1942, p. 197; Berg and Cobb, 1967, p. 240.
5. Big Squaw Creek: Nelson and others, 1954, p. 16-19
6. Lost River: Steidtmann and Cathcart, 1922, p. 66; Sainsbury, 1964, p. 10, 25
7. California (Connelly & Jensen): Mertie, 1918, p. 426-427
8. King Mountain: Moffit, 1913, p. 130-131
9. Windy Creek: Miller and others, 1971, p. 11
10. Peace River: Gault, Killeen, and others, 1953, p. 28; Miller and Elliott, 1969, p. 12-13
11. Spruce Hen: Smith, P. S., 1942, p. 196
12. Hope Creek: Nelson and others, 1954, p. 11
13. Mammoth Creek: Nelson and others, 1954, p. 13
14. Boulder Creek: Joesting, 1942, p. 29
Tibbs Creek: Joesting, 1942, p. 29
15. Healy River: Chapin, 1919
16. Booshu Camp: Patton and Csejtey, 1971, p. C8-C10
Moghoweyik River: Patton and Csejtey, 1971, p. C8, C10
West Cape: Anderson, 1947, p. 35-36
17. Moghoweyik River: Patton and Csejtey, 1971, p. C8, C10-C11
Poovookpuk Mountain: Patton and Csejtey, 1971, p. C8, C11-C14
18. McLeod: West, 1954, p. 9-10
19. Curry: Smith, P. S., 1942, p. 189-190
20. Copper King: Hawley and Clark, 1968, p. 9-11
21. Treasure Creek: Richter, 1963
Unnamed occurrence: Richter, 1963
22. Unnamed occurrence: Kaufman, 1964, p. 7-8
23. Ptarmigan Creek: Smith, P. S., 1942, p. 194-195
24. Unnamed occurrence: Richter, 1966, p. 31
25. Rock Creek: Moffit, 1954, p. 209-210
26. Monte Cristo Creek: Richter, 1972
27. Bond Creek: Richter, 1972
Orange Hill: Van Alstine and Black, 1944; Moffit, 1954, p. 205-207
28. Unnamed occurrences: Richter and Matson, 1969a, 1969b, 1970, 1972
29. Bonanza Creek: Moffit, 1943, p. 174
30. Carl Creek: Richter, 1972
31. Baultoff Creek: Matson and Richter, 1972, p. 10
Horsfeld Creek: Matson and Richter, 1971, p. 10
32. Arnold: Smith, P. S., 1942, p. 198-199
33. Brink (Owhat River): Cady and others, 1955, p. 122
34. Kijik River: Smith, P. S., 1915, p. 268; Moxham and Nelson, 1952, p. 3-4
35. Kontrashibuna Lake: Eakins, 1970, p. 18
36. Unnamed occurrence: Reed and Elliott, 1970, p. 22
37. Unnamed occurrence: Reed and Elliott, 1970, p. 22-23
38. Jimmy Lake: Reed and Elliott, 1970, p. 12-13, 19
39. Hayes Glaciers: Berg and Cobb, 1967, p. 37
40. Chickaloon River: Martin and others, 1915, p. 137
41. Alaska Oracle: Tuck, 1933, p. 507-510
42. Potter Creek: Jasper, 1967, p. 31
43. Bailey: Maloney, 1966
Little Willie (Holland): Capps and Tuck, 1935, p. 109-110
Reed Creek: Smith, P. S., 1942, p. 189; Jasper, 1967, p. 3
Talkeetna: Smith, P. S., 1942, p. 188-189
44. Agostino: Park, 1933, p. 413-417
45. Porphyry Mountain: MacKevett and Smith, J. G., 1968, p. 3, 6
46. Rex Creek: Moffit, 1924, p. 69
47. Canyon Creek: Smith, P. S., 1942, p. 182-183
48. Silver Horn: Cobb, 1972
49. Upper Copper Lake: Reed, 1967, p. 12-13
50. Dutton: Martin and Katz, 1912, p. 117-121
51. Cape Kubugakli: Smith, W. R., 1925, p. 207
52. Rendu Inlet: MacKevett and others, 1971, p. 79
53. Triangle Island: Rossman, 1963, p. K49
54. Bruce Hills: MacKevett and others, 1971, p. 48-50
Wachuset Inlet (Plateau Glacier): MacKevett and others, 1971, p. 78

55. Gilbert Island: Rossman, 1963, p. K49; MacKevett and others, 1971, p. 50-51
 Unnamed island: MacKevett and others, 1971, p. 50-51
56. Geikie Inlet: Smith, P. S., 1942, p. 178
57. Nunatak (Muir Inlet): Twenhofel and others, 1946, p. 9-18; MacKevett and others, 1971, p. 74-78
58. Adams Inlet: Smith, P. S., 1942, p. 178
59. Lemcurier Island: Smith, P. S., 1942, p. 176-177
60. Unnamed occurrence: Winkler and MacKevett, 1970, p. 8
61. Casement Glacier: MacKevett and others, 1971, p. 74
62. Clifton: Smith, P. S., 1942, p. 180-181
63. Alaska-Treadwell: Spencer, 1906, p. 101, 109
64. Boundary Creek: Brew and Ford, 1969
65. Seallon Cove: Loney and others, 1963, analysis 40
66. Magoun Islands: Smith, P. S., 1942, p. 174-175; Berg and Cobb, 1967, p. 145
67. 3J: Smith, P. S., 1942, p. 175-176
68. Devilfish Bay: Herreid and Kaufman, 1964, p. 9-11
 Dry Pass: Herreid and Kaufman, p. 8-10
 Lillie: Herreid and Kaufman, 1964, p. 7-8, 10-11
 Shakan: Twenhofel and others, 1946, p. 19-30, Herreid and Kaufman, 1964, p. 6-7, 10-11
69. Groundhog Basin: Gault, Rossman, and others, 1953, p. 37-38
70. Blasher: Buddington, 1929, p. 100
 Hyder Lead: Buddington, 1925, p. 93
71. Bluebird: Byers and Sainsbury, 1956, p. 139-140
 Mountain View: Buddington, 1929, p. 66
72. Noyes Island: Smith, P. S., 1942, p. 167-168
73. Baker Island: Twenhofel and others, 1946, p. 31-36
74. Forrester Point: Clark and others, 1971, p. 2, 7
 Wood Cove: Clark and others, 1971, p. 2-3, 6
75. Green Monster: Wedow and others, 1953, p. 11
 Jumbo: Kennedy, 1953, p. 40
76. Alarm: Warner and others, 1961, p. 122
 Brown & Metzdorf: Warner and others, 1961, p. 125-126
 Haida: Warner and others, 1961, p. 119-120
 It: Warner and others, 1961, p. 32, 122
77. Rich Hill: Warner and others, 1961, p. 32
78. Gnat: Buddington, 1929, p. 120
79. Commonwealth: Buddington, 1929, p. 111-112
- 1929, Geology of Hyder and vicinity, southeastern Alaska, with a reconnaissance of Chickamin River: U.S. Geol. Survey Bull. 807, 124 p.
- Byers, F. M., Jr., and Sainsbury, C. L., 1956, Tungsten deposits of the Hyder district, Alaska: U.S. Geol. Survey Bull. 1024-F, p. 123-140.
- Cady, W. M., Wallace, R. E., Hoare, J. M., and Webber, E. J., 1955, The central Kuskokwim region, Alaska: U.S. Geol. Survey Prof. Paper 268, 132 p.
- Capps, S. R., and Tuck, Ralph, 1935, The Willow Creek-Kashwitna district, Alaska: U.S. Geol. Survey Bull. 864-B, p. 95-113.
- Chapin, Theodore, 1919, A molybdenite lode on Healy River: U.S. Geol. Survey Bull. 692, p. 329
- Clark, A. L., Berg, H. C., Grybeck, Donald, and Ovenshine, A. T., 1971, Reconnaissance geology and geochemistry of Forrester Island National Wildlife Refuge, Alaska: U.S. Geol. Survey open-file report, 7 p.
- Cobb, E. H., 1972, Metallic mineral resources map of the Dillingham quadrangle, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-375, scale 1:250,000.
- Eakins, G. R., 1970, Geology and geochemistry at Kontrashibuna Lake, Lake Clark region, southwestern Alaska: Alaska Div. Mines and Geology Geochem. Rept. 20, 34 p.
- Gault, H. R., Killeen, P. L., West, W. S., and others, 1953, Reconnaissance for radioactive deposits in the northeastern part of the Seward Peninsula, Alaska, 1945-47 and 1951: U.S. Geol. Survey Circ. 250, 31 p.
- Gault, H. R., Rossman, D. L., Flint, G. M., Jr., and Ray, R. G., 1953, Some lead-zinc deposits of the Wrangell district, Alaska: U.S. Geol. Survey Bull. 998-B, p. 15-58.
- Hawley, C. C., and Clark, A. L., 1968, Occurrences of gold and other metals in the upper Chulitna district, Alaska: U.S. Geol. Survey Circ. 564, 21 p.
- Herreid, Gordon, and Kaufman, M. A., 1964, Geology of the Dry Pass area, southeastern Alaska: Alaska Div. Mines and Minerals Geol. Rept. 7, 16 p.
- Jasper, M. W., 1967, Geochemical investigations, Willow Creek southerly to Kenai Lake region, south central Alaska: Alaska Div. Mines and Minerals Geochem. Rept. 14, 47 p.
- Joesting, H. R., 1942, Strategic mineral occurrences in interior Alaska: Alaska Dept. Mines Pamph. 1, 46 p.
- Kaufman, M. A., 1964, Geology and mineral deposits of Denali-Maclaren River area, Alaska: Alaska Div. Mines and Minerals Geol. Rept. 4, 19 p.
- Kennedy, G. C., 1953, Geology and mineral deposits of Jumbo basin, southeastern Alaska: U.S. Geol. Survey Prof. Paper 251, 46 p.
- Loney, R. A., Berg, H. C., Pomeroy, J. S., and Brew, D. A., 1963, Reconnaissance geologic map of Chichagof Island and northwestern Baranof Island, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-388, scale 1:250,000.
- MacKevett, E. M., Jr., Brew, 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.
- MacKevett, E. M., Jr., and Smith, J. G., 1968, Distribution of gold, copper, and some other metals in the McCarthy B-4 and B-5 quadrangles, Alaska: U.S. Geol. Survey Circ. 604, 25 p.

REFERENCES

- Anderson, Eskil, 1947, Mineral occurrences other than gold deposits in northwestern Alaska: Alaska Dept. Mines Pamph. 5-R, 48 p.
- Berg, H. C., and Cobb, E. H., 1967, Metalliferous lode deposits of Alaska: U.S. Geol. Survey Bull. 1246, 254 p.
- Brew, D. A., and Ford, A. B., 1969, Boundary creek molybdenum-silver occurrence: U.S. Geol. Survey Circ. 615, p. 12-15
- Buddington, A. F., 1925, Mineral investigations in southeastern Alaska: U.S. Geol. Survey Bull. 773, p. 71-139

- Maloney, R. P., 1966, Investigation of the Bailey copper prospect, Willow Creek mining district south-central Alaska: U.S. Bur. Mines open-file report, 7 p.
- Martin, G. C., Johnson, B. L., and Grant, U. S., 1915, Geology and mineral resources of Kenai Peninsula, Alaska: U.S. Geol. Survey Bull. 587, 243 p.
- Martin, G. C., and Katz, F. J., 1912, A geologic reconnaissance of the Iliamna region, Alaska: U.S. Geol. Survey Bull. 485, 138 p.
- Matson, N. A., Jr., and Richter, D. H., 1971, Geochemical data from the Nabesna A-1 quadrangle, Alaska: U.S. Geol. Survey open-file report, 10 p.
- Mertie, J. B., Jr., 1918, Lode mining and prospecting on Seward Peninsula: U.S. Geol. Survey Bull. 662, p. 425-449.
- Miller T. P., and Elliott, R. L., 1969, Metalliferous deposits near Granite Mountain, eastern Seward Peninsula, Alaska: U.S. Geol. Survey Circ. 614, 19 p.
- Miller, T. P., Elliott, R. L., Grybeck, D. H., and Hudson, T. L., 1971, Results of geochemical sampling in the northern Darby Mountains, Seward Peninsula, Alaska: U.S. Geol. Survey open-file report, 12 p.
- Miller, T. P., and Ferrians, O. J., Jr., 1968, Suggested areas for prospecting in the central Koyukuk River region, Alaska: U.S. Geol. Survey Circ. 570, 12 p.
- Moffit, F. H., 1913, Geology of the Nome and Grand Central quadrangles, Alaska: U.S. Geol. Survey Bull. 533, 140 p.
- 1924, The metalliferous deposits of Chitina Valley, Alaska: U.S. Geol. Survey Bull. 755, p. 57-72.
- 1943, Geology of the Nutzotin Mountains, Alaska, with a section on the igneous rocks, by R. G. Wayland: U.S. Geol. Survey Bull. 933-B, p. 103-174.
- 1954, Geology of the eastern part of the Alaska Range and adjacent area: U.S. Geol. Survey Bull. 989-D, p. 63-218.
- Moxham, R. M., and Nelson, A. E., 1952, Reconnaissance for radioactive deposits in the southern Cook Inlet region, Alaska, 1949: U.S. Geol. Survey Circ. 207, 7 p.
- Nelson, A. E., West, W. S., and Matzko, J. J., 1954, Reconnaissance for radioactive deposits in eastern Alaska, 1952: U.S. Geol. Survey Circ. 348, 21 p.
- Park, C. F., Jr., 1933, The Girdwood district, Alaska: U.S. Geol. Survey Bull. 849-G, p. 381-424.
- Patton, W. W., Jr., and Csejtey, Béla, Jr., 1971, Preliminary geologic investigations of western St. Lawrence Island, Alaska: U.S. Geol. Survey Prof. Paper 684-C, p. C1-C15.
- Reed, B. L., 1967, Results of stream sediment sampling and bedrock analyses in the eastern part of the Iliamna quadrangle, and at Kasma Creek, Lake Clark quadrangle, Alaska: U.S. Geol. Survey open-file report, 18 p.
- Reed, B. L., and Elliott, R. L., 1970, Reconnaissance geologic map, analyses of bedrock and stream sediment samples, and an aeromagnetic map of parts of the southern Alaska Range: U.S. Geol. Survey open-file report, 145 p.
- Richter, D. H., 1963, Geology of the Portage Creek-Susitna River area: Alaska Div. Mines and Minerals Geol. Rept. 3, 2 sheets.
- 1966, Geology of the Slana district, south-central Alaska: Alaska Div. Mines and Minerals Geol. Rept. 21, 51 p.
- 1972, Reconnaissance geologic map of the Nabesna A-4 quadrangle, Alaska: U.S. Geol. Survey open-file map, scale 1:63,360.
- Richter, D. H., and Matson, N. A., Jr., 1969a, Geochemical data from the Nabesna A-3 quadrangle, Alaska: U.S. Geol. Survey open-file report.
- 1969b, Geochemical data from the Nabesna B-4 quadrangle, Alaska: U.S. Geol. Survey open-file report.
- 1970, Geochemical data from the Nabesna A-4 quadrangle, Alaska: U.S. Geol. Survey open-file report.
- 1972, Metallic mineral resources map of the Nabesna quadrangle, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-422, scale 1:250,000.
- Rossmann, D. L., 1963, Geology of the eastern part of the Mount Fairweather quadrangle, Glacier Bay, Alaska: U.S. Geol. Survey Bull. 1121-K, p. K1-K57.
- Sable, E. G., 1965, Geology of the Romanzof Mountains, Brooks Range, northeastern Alaska: U.S. Geol. Survey open-file report, 218 p.
- Sainsbury, C. L., 1964, Geology of the Lost River mine area, Alaska: U.S. Geol. Survey Bull. 1129, 80 p.
- Smith, P. S., 1915, Mineral resources of the Lake resources of the Lake Clark-Iditarod region: U.S. Geol. Survey Bull. 622, p. 247-271.
- 1942, Occurrences of molybdenum minerals in Alaska: U.S. Geol. Survey Bull. 926-C, p. 161-210.
- Smith, W. R., 1925, The Cold Bay-Katmai district: U.S. Geol. Survey Bull. 773, p. 183-207.
- Spencer, A. C., 1906, The Juneau gold belt, Alaska: U.S. Geol. Survey Bull. 287, p. 1-137.
- Steidtmann, Edward, and Cathcart, S. H., 1922, Geology of the York tin deposits, Alaska: U.S. Geol. Survey Bull. 733, 130 p.
- Tuck, Ralph, 1933, The Moose Pass-Hope district, Kenai Peninsula, Alaska: U.S. Geol. Survey Bull. 849-I, p. 469-530.
- Twenhofel, W. S., Robinson, G. D., and Gault, H. R., 1946, Molybdenite investigations in southeastern Alaska: U.S. Geol. Survey Bull. 947-B, p. 7-38.
- Van Alstine, R. E., and Black, R. F., 1944, Mineral deposits at Orange Hill, Alaska: U.S. Geol. Survey open-file report, 28 p.
- Warner, L. A., Goddard, E. N., and others, 1961, Iron and copper deposits of Kasaan Peninsula, Prince of Wales Island, southeastern Alaska: U.S. Geol. Survey Bull. 1090, 136 p.
- Wedow, Helmuth, Jr., and others, 1953, Preliminary summary of reconnaissance for uranium and thorium in Alaska, 1952: U.S. Geol. Survey Circ. 248, 15 p.
- West, W. S., 1954, Reconnaissance for radioactive deposits in the lower Yukon-Kuskokwim region, Alaska, 1952: U.S. Geol. Survey Circ. 328, 10 p.
- Winkler, G. R., and MacKevett, E. M., Jr., 1970, Analyses of bedrock and stream-sediment samples from the Haines-Porcupine region, southeastern Alaska: U.S. Geol. Survey open-file report, 91 p.