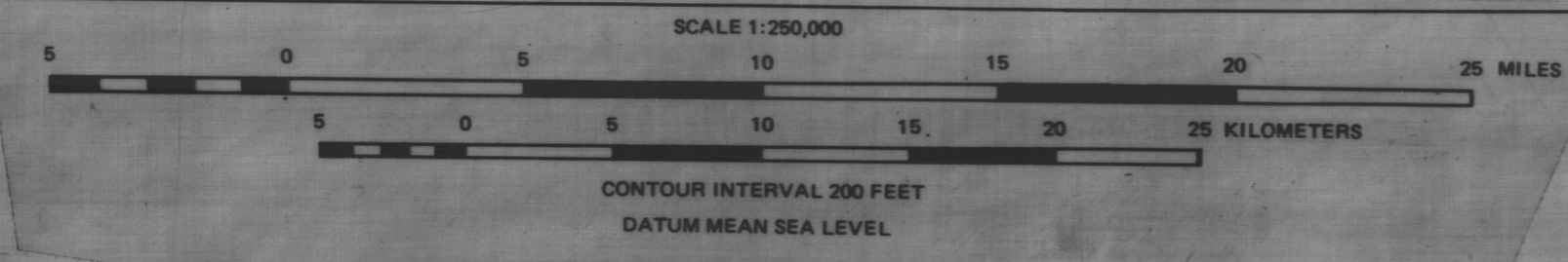


| Map Number | Prospect Name and Description | Commodity | Reference (listed below) |
|------------|--|--------------------|--------------------------|
| 1 | Unnamed | Cu | 3 |
| 2 | Fall Creek, Unnamed, New Hope | Cu, Au | 3, 5 |
| 3 | Hidden Treasure | Cu | 3 |
| 4 | Fall Creek | Cu, Au | 5 |
| 5 | Good Enough | Cu | 3, 5 |
| 6 | Mineral Creek | Cu, Au, Ag | 3, 5 |
| 7 | Unnamed | Cu, Mo | 3 |
| 8 | Silver Star; Adita on surface bearing quartz veins in Nikolai basin near the contact with a diorite intrusive. | Bi, Cu, Fe, Ag | 2, 3, 5 |
| 9 | Lost Cabin | Cu | 3, 5 |
| 10 | Warner | Cu | 3, 5 |
| 11 | Kotlas | Cu | 3, 5 |
| 12 | Line Creek | Cu | 3, 5 |
| 13 | Unnamed | Cu | 5 |
| 14 | Larson | Cu | 3, 5 |
| 15 | Unnamed | Mo | 3 |
| 16 | Burples Creek | Cu | 3, 5 |
| 17 | Unnamed | Mo | 3 |
| 18 | Copper King, Keystone, Shower Gulch | Cu | 3, 5 |
| 19 | Unnamed | Cu | 3 |
| 20 | Peacock Creek | Cu | 5 |
| 21 | Any Creek | Cu | 3 |
| 22 | Skyscraper | Cu | 3, 5 |
| 23 | Roaring Creek | Cu | 3, 5 |
| 24 | Unnamed | Cu | 3 |
| 25 | Unnamed | Au, Cu | 3 |
| 26 | Big Horn | Cu | 3, 5 |
| 27 | Unnamed | Cu | 3 |
| 28 | Mayflower | Cu | 3, 5 |
| 29 | Bugget Creek, Valdez | Cu, Au, Ag | 3, 5 |
| 30 | Porcupine Creek | Cu, Au | 3, 5 |
| 31 | Unnamed | Cu | 3 |
| 32 | Porcupine Creek | Cu, Au | 5 |
| 33 | Unnamed | Cu | 3 |
| 34 | Unnamed | Cu, Au, Ag | 3 |
| 35 | Clear Creek | Cu, Fe | 3, 5 |
| 36 | Unnamed | Cu | 3 |
| 37 | Unnamed | Cu | 3 |
| 38 | Strelas Creek | Cu | 3 |
| 39 | Unnamed | Cu | 3 |
| 40 | Unnamed | Au | 3 |
| 41 | Unnamed | Cu | 3 |
| 42 | Unnamed | Cu | 3 |
| 43 | Unnamed | Cu | 3 |
| 44 | Unnamed | Cu, Ag, Au | 3 |
| 45 | Unnamed | Cu, Ag | 3 |
| 46 | Unnamed | Cu, Au, Ag | 3 |
| 47 | Pierston | Au, Zn | 3, 5 |
| 48 | Unnamed | Cu, Zn | 3 |
| 49 | Unnamed | Mo | 3 |
| 50 | Unnamed | Au, Mo | 3 |
| 51 | Unnamed | Au | 3 |
| 52 | Unnamed | Cu | 3 |
| 53 | London and Cape; Porphyry copper deposit. Site of past and present exploration interest. | Cu, Ag, Mo | 2, 3, 5 |
| 54 | Calcutta | Cu | 3, 5 |
| 55 | War Eagle | Cu, Fe | 3 |
| 56 | Copper Queen, Barno | Cu, Fe | 3, 5 |
| 57 | Hidden, Berg Creek; Star deposit at limestone-granodiorite-schist diorite contact. Small amount of gold and silver production. | Cu, Au, Fe | 2, 3, 5 |
| 58 | Unnamed | Chromite | 3 |
| 59 | Kimsey-Golden | Cu | 3, 5 |
| 60 | Unnamed | Ag | 3 |
| 61 | Unnamed | Cu, Ag | 3 |
| 62 | O'Hara | Fe, Zn, Ag | 3, 5 |
| 63 | O'Hara | Fe, Zn | 3 |
| 64 | Unnamed | Bi, chromite | 3 |
| 65 | Unnamed | Bi, chromite | 3 |
| 66 | Unnamed | Ag | 3 |
| 67 | Unnamed | Ag, Au | 3 |
| 68 | Unnamed | Au | 3, 5 |
| 69 | Unnamed | Au | 3 |
| 70 | Le Tendre | Cu, Zn | 3, 5 |
| 71 | Tollenland | Au | 3, 5 |
| 72 | Chick Nelson | Au | 3, 5 |
| 73 | Lucky Girl, Bremner Mining Co. | Au | 3 |
| 74 | Grand Prize, Bremner Mining Co. | Au, Zn | 3, 5 |
| 75 | Unnamed | Au | 3 |
| 76 | Unnamed | Bi, chromite | 3 |
| 77 | Unnamed | Bi, chromite | 3 |
| 78 | Lakina | Cu, Ag | 3, 5 |
| 79 | Unnamed | Cu | 3 |
| 80 | Unnamed | Sb | 3 |
| 81 | South of Hidden Creek | Cu | 3, 5 |
| 82 | North of Hidden Creek | Cu | 3 |
| 83 | Unnamed | Cu | 3 |
| 84 | Hokroka | Cu | 3 |
| 85 | Fourth of July, Goodie and Heron | Cu | 3, 5 |
| 86 | Unnamed | Cu | 3 |
| 87 | Unnamed | Ag, Au | 3 |
| 88 | Unnamed | Cu | 3 |
| 89 | Prospect | Cu | 3, 5 |
| 90 | Regal | Cu | 3, 5 |
| 91 | Unnamed | Cu | 3 |
| 92 | Gorilla | Cu | 3 |
| 93 | Eric: This property along with Jumbo (94), Bonanza (95), and Mother Lode (96) eventually interconnected by underground workings and operated by Emmett Corp. as a unit. Between 1913 and 1938 these mines produced about 1.7 billion lbs of copper and 9 million oz of silver. Deposits localized in dolomitic parts of the Chitinoe limestone close to the underlying Nikolai Greenstone contact. | Cu, Ag | 2, 3, 5 |
| 94 | Jumbo (see 93) | Cu, Ag | 2, 3, 5 |
| 95 | Bonanza (see 93) | Cu, Ag | 2, 3, 5 |
| 96 | Mother Lode (see 93) | Cu, Ag | 2, 3, 5 |
| 97 | Unnamed | Cu, Ag | 5 |
| 98 | Independence | Cu | 3, 5 |
| 99 | Tjosevig | Cu, Ag | 3, 5 |
| 100 | Green Butte; A Kennecott type deposit that produced about 1.8 million lbs of copper and 15,000 oz of silver in the 1930's. | Cu, Ag | 2, 3, 5 |
| 101 | Porphyry Mountain | Au, Mo | 3, 5 |
| 102 | Unnamed | Cu | 3 |
| 103 | Nikolai | Cu | 3, 5 |
| 104 | Unnamed | Cu | 3 |
| 105 | Schultz | Cu | 3, 5 |
| 106 | Young Creek | Cu, Au | 3, 5 |
| 107 | Calinity Gulch | Au | 3 |
| 108 | Unnamed | Au, Mo | 3 |
| 109 | Chitino Creek | Au, Sb, Cu, Fe, Ag | 3, 5 |
| 110 | Taylor | Cu, Au, Ag | 3, 5 |
| 111 | Crum Gulch | Sb, Cu, Au, Ag, W | 3, 5 |
| 112 | Dan Creek; Along with Copper Creek produced about half of the Alaska placer districts approximately 185,000 oz gold production, mine is still in operation. Native silver and native copper and nuggets containing both are common. | Au, Cu, Ag | 2, 3, 5 |
| 113 | Nikolai Butte prospects | Cu, Ag, Fe, Zn | 3, 5 |
| 114 | Nikolai Butte prospects | Cu | 5 |
| 115 | Unnamed | Cu, Ag | 3 |
| 116 | Nikolai Butte prospects | Cu | 5 |
| 117 | Unnamed | Cu | 3, 5 |
| 118 | Copper Creek (see 112) | Au, Ag, Cu | 3 |
| 119 | Copper Creek and Schistiferous (see 112) | Au, Ag, Cu | 3 |
| 120 | Unnamed | Au, W, Sb | 3, 5 |
| 121 | Unnamed | Sb | 3 |
| 122 | Unnamed | Sb | 3 |
| 123 | Unnamed | Au | 3 |
| 124 | Kadovan, Low contact, Greenstone | Cu, Sb, Ag | 3, 5 |
| 125 | Kadovan | Cu, Sb, Ag | 3, 5 |
| 126 | Kadovan | Cu, Sb, Ag | 5 |
| 127 | Kadovan | Cu, Sb, Ag | 5 |
| 128 | Westover | Cu, Ag | 3, 5 |
| 129 | Knobbed | Cu, Ag | 3, 5 |
| 130 | Unnamed | Cu | 3 |
| 131 | Nelson; Kennecott-type deposit with minor production in the 1930's. | Cu, Ag | 2, 3, 5 |
| 132 | Hidden Kennecott-type deposit in brecciated fault zone; small shipment made winter of 1973-74. | Cu | 2, 3, 5 |
| 133 | Unnamed | Cu | 3, 5 |
| 134 | Unnamed | Bi, Au | 3 |
| 135 | Contact Gulch | Cu | 3, 5 |
| 136 | Contact Gulch | Cu | 3 |
| 137 | Unnamed | Cu | 3, 5 |
| 138 | Unnamed | Cu | 3, 5 |
| 139 | Unnamed | Cu | 3 |
| 140 | Unnamed | Sb, Cu, W | 3, 5 |
| 141 | Unnamed | Cu, Ag | 3, 5 |
| 142 | Erison | Cu, Zn | 3 |
| 143 | Unnamed | Cu, Zn | 3 |
| 144 | Unnamed | Cu | 3, 5 |
| 145 | Unnamed | Cu | 3, 5 |
| 146 | Unnamed | Cu | 3, 5 |
| 147 | Unnamed | Au | 3 |
| 148 | Young Creek | Au, Cu | 5 |
| 149 | Young Creek | Au, Cu | 5 |
| 150 | Unnamed | Cu, Ag, Au | 3, 5 |
| 151 | Unnamed | No | 3 |
| 152 | Canyon Creek | No | 3, 5 |
| 153 | Unnamed | Ag, Mo | 3 |
| 154 | Unnamed | Ag, Mo | 3 |
| 155 | Canyon | Au | 3, 5 |
| 156 | Unnamed | Cu, Ag, Au | 3 |
| 157 | Unnamed | Cu, Ag, Au | 3 |
| 158 | Unnamed | Cu, Ag, Au | 3 |
| 159 | Unnamed | No | 3 |
| 160 | Unnamed | Cu, Mo | 3 |

Compiled by Staff, Division of Geological and Geophysical Surveys
 TRUE NORTH
 MAGNETIC N
 APPROXIMATE MEAN DECLINATION, 19



MINERAL AND ENERGY RESOURCES, MC CARTHY QUADRANGLE, ALASKA

Oil and Gas
 No petroleum resources are known in the McCarthy Quadrangle, and the potential for them is considered poor due to limited source and reservoir rocks.
Coal
 Lignite is found in several locations within the quadrangle where it formed in small intermontane basins (MacGrew, 1973). All occurrences are reported to be discontinuous and with the exception of outcrops to the northwest, near the International Boundary, to be very thin. Here on a tributary to Hacker Creek, a 30 ft bed was shown on two maps totaling 4 ft, and lignite was mined and used by prospectors prior to 1915 (Copp, 1915).

Carbonate Rocks
 Carbonate rocks (including limestone, marble, and dolomite) that have many industrial uses occur throughout the quadrangle. Descriptions of the physical and chemical properties of these rocks are found in MacGrew (1976).
Geothermal
 The presence of active volcanism on Mt. Wrangell and young volcanic rocks throughout the Wrangell Mountains indicate a region of high heat flow to the surface and a moderate to high potential for geothermal resources. Although there are no positive indications, including geothermal springs, there has been little detailed geophysical and geochemical exploration.

REFERENCES

- Copp, S.B., 1915, Mineral resources of the Chitinoe-White River district, in Brooks, A.H., and others, Mineral resources of Alaska, report on progress of investigations in 1914: U.S. Geological Survey Bulletin 502, p. 227-229.
- Cobb, E.H., and MacGrew, E.H., Jr., 1960, Summary of data on lists of references to metallic and siliceous nonmetallic mineral deposits in the McCarthy Quadrangle, Alaska: U.S. Geological Survey Open-File Report 60-485.
- MacGrew, E.H., Jr., 1976, Mineral deposits and occurrences in the McCarthy Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-773, 3 sheets, scale 1:250,000.
- MacGrew, E.H., Jr., 1978, Geologic map of the McCarthy Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-1032.
- MacGrew, E.H., Jr., and Cobb, E.H., 1972, The little mineral resources map of the McCarthy Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-59, 1 sheet, scale 1:250,000.

References

Arctic Environmental Information and Data Center, 1970, Mineral terraces of Alaska: 1967 Research and display by C.C. Beatty and Associates, prepared and published by Arctic Environmental Information and Data Center, University of Alaska, 707 A Street, Anchorage, Alaska 99501.
 MacGrew, E.H., Jr., 1978, Geologic map of the McCarthy Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-1032.

EXPLANATION

This map shows the approximate location of all reported mineral deposits and areas of potential for oil and gas, geothermal, coal, and carbonate-rock resources within this quadrangle. The reader is guided to the list of references on this map for additional information regarding these resources.

Minerals

- Significant site or exploration potential
- Small or unevaluated
- Lode deposit
- Lode deposit
- Placer deposit
- Placer deposit

Oil and Gas

- Dry and abandoned oil and gas well

Geothermal

- Area of high geothermal potential
- Geothermal spring and temperature

Coal

- Coal location (Approximate)

Carbonate Rocks

- Carbonate rock location (Approximate)

Note: This map is intended only for general lead development and planning purposes; site specific projects will require ground verification of the information presented.