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MINERAL DEPOSITS AND MAIN ORE MINERAL OCCURRENCES IN THE McCARTHY QUADRANGLE
(Explanation at end of table)

MAP NO.	NAME(S) (If known)	LOCATION	RESOURCE(S)	FORM OF DEPOSIT	CATEGORY	BRIEF DESCRIPTION	PRINCIPAL REFERENCES[1]
1		T.10S.,R.22E.	Fe,Cu?	Vein and disseminated	O	Networks of specular hem veinlets that cut altered quartz monzonite; sparsely disseminated py in some of the quartz monzonite	
2	Havrais	T.10S.,R.21E.	Cu,Pb,Zn,Ag	Disseminated and massive	P	Small sporadically distributed pods and disseminations that contain Cu,Pb, and Zn sulfides and their alteration products; localized in shear zones, mainly in Permian marble	Seitz, 1963
3		T.10S.,R.19E.	Cr	Disseminated	O	Gabbro; sq. sp. 1,000 ppm Cr	
4		T.10S.,R.18E.	Cu,Ag,Au	Vein	O	Copper- and iron-stained qz vein float; sq. sp. 10 ppm Ag, 0.25 ppm Au(AA), 7,000 ppm Cu	
5		T.10S.,R.18E.	Cu,Ag,Au,Mo	Vein and disseminated	O	Scattered sulfide-bearing disseminations and qz veins, as much as 15 cm wide, in Jurassic quartz diorite; sq. sp. of selected vein material: 30 ppm Ag, 2 ppm Au(AA), >20,000 ppm Cu, 70 ppm Mo	
6		T.10S.,R.18E.	Cu,Ag,Au,Mo	Vein	O	Sulfide-bearing qz vein, as much as 30 cm thick, that cuts Jurassic quartz monzonite; sq. sp. 10 ppm Ag, 0.20 ppm Au(AA), 20,000 ppm Cu, 150 ppm Mo	
7		T.10S., R.11E.	Au	Vein	p	Minor surficial workings; geologic setting similar to Yellowband; may be part of Yellowband group	
8		T.10S., R.11E.	Au	Placer	M	Small production, probably between 2,000 and 3,000 oz gold, recovered from shallow placers during early 1900's	Moffit, 1914, p. 43-47; Unpub. company report
9	Yellowband	T.10S.,R.11E.	Au	Vein	M	Several auriferous qz veins, generally less than 25 cm thick, along walls of steep felsic dikes that cut Valdez Group; produced about 750 oz gold; sloughed open cuts and a few hundred meters of underground works	Moffit, 1937, p. 101, 102; Smith, 1942b, p. 25, 26
10	Chick Nelson	T.10S.,R.11E.	Au	Vein	p	Gold irregularly distributed in thin qz veins that cut Valdez Group	Moffit, 1937, p. 102
11	La Tendre	T.10S.,R.11E.	Au	Vein	p	Largely covered by surficial debris; reportedly explored a brecciated fault zone	Moffit, 1937, p. 102
12		T.10S.,R.8E.	Ag,Au?	Vein	O	Thin qz veins cutting Valdez Group; probably locally gold-bearing; sq. sp. 7 ppm Ag	
13		T.9S.,R.22E.	Ag	Vein? and massive	O	Float of sulfide-rich gossan; sq. sp. 15 percent Fe, 15 ppm Ag, 5,000 ppm As, 150 ppm Bi, 300 ppm Cu, 200 ppm Pb	
14		T.9S.,R.22E.	Pb,Zn,Ag	Disseminated	O	Float of sulfide-bearing dike; sq. sp. 1 ppm Ag, 1,000 ppm Pb, 700 ppm Zn	
15		T.9S.,R.21E.	Cu,Fe	Disseminated	O	Dike with sulfides; sq. sp. 20 percent Fe, 500 ppm Cu	
16		T.9S.,R.21E.	Cu	Coating and vein	O	ml coating fracture surfaces of Nikolai Greenstone; minor Cu minerals in qz-epidote veinlets	
17		T.9S.,R.19E.	Cu,Mn	Vein	O	Altered qz vein about 1 m wide, along shear zone that cuts Permian marble and amphibolite; sq. sp. 1 ppm Ag, 500 ppm Cu, 50 ppm Mo	
18		T.9S.,R.18E.	Mo	Vein	O	Altered qz vein along fault cutting Permian marble; sq. sp. 1 ppm Ag, 70 ppm Mo	
19		T.9S.,R.17E.	Ag?,Mo?	Vein	O	Altered qz veins, 30 to 60 cm thick, along shears cutting metamorphosed Skolai Group; sq. sp. 0.5 ppm Ag, 300 ppm As, 70 ppm Mo	
20		T.9S.,R.14E.	Ni,Cr	Disseminated	O	Serpentinized ultramafic rock that contains minor chromite and disseminated sulfides; sq. sp. >10 percent Mg, 150 ppm Co, 3,000 ppm Cr, 2,000 ppm Ni	
21		T.9S.,R.13E.	Ni,Cr	Disseminated	O	Sheared and serpentinized alpine-type ultramafic body, similar to 20	
22		T.9S.,R.12E.	Au?	Vein	O	Numerous thin sulfide-bearing qz veins that cut Valdez Group; probably locally auriferous	
23	Lucky Girl, Bremner Mining Co.	T.9S.,R.11E.	Au	Vein	M	Sparsely distributed gold in a series of subparallel qz veins that range from a few cms to 1 m in thickness and cut metasedimentary rocks of Valdez Group; more than 600 m of underground workings, but scant production	Moffit, 1914, p. 49, 50; Moffit, 1937, p. 99, 101
24	Grand Prize, Bremner Mining Co.	T.9S.,R.11E.	Au	Vein	M	Low gold values obtained from gouge and comminuted vein qz along walls of a felsic dike that cuts Valdez Group; about 100 m of underground workings; negligible production	Moffit, 1914, p. 49, 50; Moffit, 1937, p. 99, 101
25		T.8S.,R.24E.	Cr	Disseminated	O	Mafic dike with disseminated metallic minerals; sq. sp. 1,000 ppm Cr	
26		T.8S.,R.21E.	Cu?,Fe?	Disseminated	O	py-bearing dike; sq. sp. 15 percent Fe, 300 ppm Cu	
27		T.8S.,R.21E.	Cu	Disseminated	O	Float of hornfels with disseminated sulfides; sq. sp. 0.5 ppm Ag, 700 ppm Cu, 100 ppm Sb	
28		T.8S.,R.20E.	re	Massive	u	Magnetite-rich skarn in marble near contact with small outcrop of monzonite; sq. sp. >20 percent Fe, 200 ppm Cu	
29	Blue Star	T.8S.,R.20E.	Cu	Disseminated	p	Disseminated py in schist; minor Cu staining	
30		T.8S.,R.19E.	Cu,Mo,Ag,Au	Vein and disseminated	O	Three selected mineralized boulders from moraine of Hawkins Glacier: (1) sulfide-bearing qz vein; sq. sp. 10 ppm Ag, 1,500 ppm As, 20 ppm Au (7 ppm Au by AA), 500 ppm Cu, 500 ppm Pb (2) Tertiary granodiorite with qz-mo veinlets as much as 5 cm thick; sq. sp. 0.5 ppm Ag, >2,000 ppm Mo (3) Tertiary granodiorite with disseminated sulfides; sq. sp. 1 ppm Ag, 1,500 ppm Cu, 700 ppm Mo	
31		T.8S.,R.19E.	Cu,Mo	Disseminated	O	Float of Tertiary granodiorite from outwash of Hawkins Glacier; contains disseminated sulfides; sq. sp. 0.7 ppm Ag, 300 ppm Cu, 200 ppm Mo, 50 ppm W	
32		T.8S.,R.19E.	Mo	Vein	O	Widely scattered boulders of Tertiary granodiorite in moraine of Hawkins Glacier that contain mo that is associated with thin qz veins or thin aplite dikes	
33		T.8S.,R.18E.	Au	Placer	p	Placer gold reported in gravels of Canyon Creek	Moffit, 1916, p. 135
34		T.7S.,R.21E.	Sn?	Vein and disseminated	O	Altered dike; sq. sp. 3,000 ppm Mn, 100 ppm Sn	
35		T.7S.,R.18E.	Mo	Vein	O	Float; boulders of Tertiary granodiorite that contain mo-bearing qz veins are widespread on moraines of Canyon Creek Glacier	MacKevett and Smith, 1968, p. 3; MacKevett and Smith, 1972a
36		T.7S.,R.18E.	Cu,Ag,Au	Vein	O	Cu-bearing vein as much as 1 m thick within an altered zone, 5 m thick, that cuts Nikolai Greenstone; sq. sp. 50 ppm Ag, 1.3 ppm Au, >20,000 ppm Cu	MacKevett and Smith, 1968, p. 12, 13, 15; MacKevett and Smith, 1972a
37		T.7S.,Rs.15, 16E.	Au,Ag,Cu	Placer	M	Placer deposits along Young Creek and some of its tributaries, notably Calamity Gulch, yielded a small amount of gold early in the 20th century	Moffit and Capps, 1911, p. 107, 108; MacKevett and Cobb, 1969; MacKevett, 1973
38		T.7S.,R.16E.	Au?,Mo	Vein	O	Float of Cretaceous hornfels cut by qz veinlets; sq. sp. 0.1 ppm Au, 100 ppm Mo, 1,000 ppm B	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
39	Chititu Creek and tributaries	Tps.6,7S., Rs.15,16E.	Au,Ag,Cu	Placer	M	Chititu Creek and its tributaries, including Rex and White Creeks and Bligh and Jolly Gulches, were the major placer gold producers of the Nizina district. Accounted for more than half of the estimated 143,500 oz gold produced from the district; minor recent activity	Koschmann and Bergendahl, 1968, p. 14; Moffit and Capps, 1911, p. 98-100, 103-107; MacKevett, 1974
40		T.7S.,R.11E.	Ag?	Disseminated	O	py-bearing metamorphic rock; sq. sp. 15 percent Fe, 0.7 ppm Ag, 200 ppm Cu, 200 ppm Ni	
41		T.7S.,R.11E.	Ni,Cr	Disseminated	O	Small dikelike, largely serpentinized, ultramafic masses that cut metamorphic rocks of Skolai Group; sq. sp. >10 percent Mg, 150 ppm Co, 3,000 ppm Cr, 3,000 ppm Ni	
42		T.7S.,R.11E.	Ni,Cr	Disseminated	O	Small serpentinized ultramafic mass emplaced in metamorphosed Skolai Group; locally in fault contact with gabbro; sq. sp. >10 percent Mg, 100 ppm Co, 3,000 ppm Cr, 2,000 ppm Ni	
43		T.6S.,R.20E.	Ag,Mo	Disseminated	O	Altered Tertiary granodiorite; sq. sp. 7 ppm Ag, 200 ppm Bi, 500 ppm Mo	
44		T.6S.,R.19E. (location approximate)	Mo	Vein	P	mo in qz veins that cut Tertiary granodiorite	Smith, 1942a, p. 182, 183
45		T.6S.,R.18E.	Au	Disseminated	O	Irregular alteration zone in volcaniclastic rocks of Station Creek Formation; sq. sp. 5.2 ppm Au	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
46		T.6S.,R.18E.	Cu	Vein	O	Narrow cc- and ml-bearing veins in fault zone, 2 m wide, that cuts Nikolai Greenstone; sq. sp. 7 ppm Ag, 1,000 ppm As, >20,000 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
47		T.6S.,R.18E.	Cu	Vein and coating	O	az and ml in narrow shear zone that cuts Permian sedimentary rocks; sq. sp. 2 ppm Ag, 20,000 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
48		T.6S.,R.18E.	Cu	Vein and coating	O	Mineralized Nikolai Greenstone bordering a 15-m-wide alteration zone along fault; sq. sp. 2 ppm Ag, 7,000 ppm As, 15,000 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
49	Copper Creek and tributaries	T.6S.,Rs.16, 17E.	Au,Ag,Cu	Placer	M	Placer deposits of Copper Creek and some of its tributaries, chiefly Rader, Seattle, and Idaho Gulches, were contributors to the Nizina district's placer gold production	Moffit and Capps, 1911, p. 100-101; MacKevett and Smith, 1972a
50		T.6S.,R.17E.	Sb,W,Au	Vein	O	Series of sb-bearing qz-calc veins, as much as 25 cm thick, that cut Nizina Limestone; maximum values in sq. sp. 1.2 ppm Au, 700 ppm As, >10,000 ppm Sb, 7,000 ppm W	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
51		T.6S.,R.17E.	Sb	Vein	O	Float of sb-bearing brecciated qz vein; sq. sp. >10,000 ppm Sb, 500 ppm As	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
52		T.6S.,R.17E.	Cu?	Vein	p	Caved shaft on major fault; minor Cu staining	MacKevett and Smith, 1968, p. 10, 11, 14, 15; MacKevett and Smith, 1972a
53		T.6S.,R.17E.	Sb	Vein	O	Strongly fe-stained fault zone, 3 m wide; sq. sp. 1,500 ppm Sb	MacKevett and Smith, 1968, p. 10, 11, 14; MacKevett and Smith, 1972a
54		T.6S.,R.17E.	Cu,Ag	Vein	p	Sporadically distributed veins as much as 5 cm wide along joints in Nikolai Greenstone; the veins contain cc, cp, po, cv, and ml; explored by a 15-foot-long adit; sq. sp. 30 ppm Ag, >20,000 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 14; MacKevett and Smith, 1972a
55	Taylor	T.6S.,R.16E.	Au,Cu	Vein, disseminated and massive	P	At and near contact between a Tertiary felsic pluton that contains disseminated py and Cretaceous hornfels; irregular sulfide-bearing pods along contact; a few narrow qz veins; sq. sp. <0.02-15.4 ppm Au, 0.5-5 ppm Ag, 50-2,000 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
55A		T.6S.,R.16E.	Au?,Ag?	Vein in altered zone	O	Altered qz-rich veins, a few centimetres thick, that cut a Tertiary felsic dike; veins contain py and rare cp and sb; sq. sp. of channel sample, 0.5 m long, across altered veins 2 ppm Ag, .03 ppm Au, 700 ppm Cu	MacKevett and Smith, 1968, p. 10, 11, 15; MacKevett and Smith, 1972a
56	Crumb Gulch Prospects	T.6S.,R.16E.	Au,Sb	Vein	P	Veins as much as 30 cm thick in shear zone cutting Cretaceous hornfels near Tertiary granodiorite; the veins contain Au, sb, re and py; other mineralized shear zones in vicinity; explored by two short adits	MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett, 1974
57	Dan Creek	T.6S.,R.16E.	Au,Ag,Cu	Placer	M	Dan Creek placers and those of Copper Creek and its tributaries accounted for slightly less than half of the Nizina district's placer gold production, as c. 1959, approximately 143,500 oz; small-scale recent activity	Moffit and Capps, 1911, p. 98-113; Koschmann and Bergendahl, 1968, p. 14; MacKevett and Smith, 1972a
58	Nikolai Butte Prospects	T.6S.,R.16E.	Cu,Ag,Pb,Zn	Vein and coating	P	Several small prospects that explored narrow veins in steep faults that cut the Nikolai Greenstone and Chititsine Limestone and copper-stained zones along the Nikolai-Chititsine contact; sq. sp. reveal some Cu values >20,000 ppm and as much as 10 ppm Ag, 15,200 ppm Pb, 10,000 ppm Zn	MacKevett and Smith, 1968, p. 8-11, 14; MacKevett and Smith, 1972a
59	O'Hara	T.6S.,R.9E.	Pb,Zn,Ag	Vein	P	Veins as much as 20 cm thick cutting Permian marble; the veins contain gn, sl, py, ms, and po; explored by two short adits	Berg and Cobb, 1967, p. 64
60		T.6S.,R.9E.	Zn,Pb	Disseminated	O	Permian marble with scattered sulfides; sq. sp. 15 percent Fe, 300 ppm Cd, 700 ppm Pb, >10,000 ppm Zn	
61		T.5S.,R.19E.	Cu,Zn	Vein	O	Float of an altered vein that contains py, cp, and sl; in Tertiary granodiorite terrane; sq. sp. 1 ppm Ag, 10,000 ppm Cu, 200 ppm Pb, 2,000 ppm Zn	
62	Erickson	T.5S.,R.18E.	Cu,Ag	Massive, disseminated, and vein	M	Native Cu, ten, cup and minor amounts of other copper minerals that form irregular masses in rubbly upper parts of flows, and, to lesser extents, occur in amygdules and qz-epidote veins; all in Nikolai Greenstone; minor production in 1917; about 100 m of underground workings	Miller, 1946, p. 117, 118; MacKevett and Smith, 1968, p. 12, 13, 16; MacKevett and Smith, 1972a
63		T.5S.,R.18E.	Cu	Disseminated	O	Altered contact zone, between gabbro and sedimentary rocks of the Hasen Creek Formation, 1-3 m wide; sq. sp. 2 ppm Ag, 20,000 ppm Cu	MacKevett and Smith, 1968, p. 12, 13, 16; MacKevett and Smith, 1972a
64		T.5S.,R.17E.	Au?	Vein	O	Altered zone 3 m thick along fault that cuts lower member of McCarthy Formation; sq. sp. 1,000 ppm As, 0.2 ppm Au	MacKevett and Smith, 1968, p. 8, 9; MacKevett and Smith, 1972a
65	Radovan Low contact	T.5S.,R.17E.	Cu	Vein and disseminated	P	Sporadically distributed cc, cp, py, ms, re, and sb in a brecciated fault zone that juxtaposes Nikolai Greenstone and Chititsine Limestone; trenches and short adits	Miller, 1946, p. 114-117; Pilgrim, 1933, p. 90-92; Salnsbury, 1952, p. 14-17; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
66	Binocular	T.5S.,R.17E.	Cu	Massive and coating	P	Small ml-stained cc masses in near basal Chititsine Limestone; a few other Cu-stained outcrops nearby	Miller, 1946, p. 114; MacKevett and Smith, 1972a
67	Radovan Greenstone	T.5S.,R.17E.	Cu,Ag	Vein	P	cc-rich vein, 1-3 m thick, in fault cutting Nikolai Greenstone; two short adits	Salnsbury, 1951, p. 12-14; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
68		T.5S.,R.17E.	Cu	Vein	p	Altered calc-rich veins as much as 1 m thick in lower part of Chititsine Limestone; site of an old prospect with minor surface workings; sq. sp. 1 ppm Ag, 1,000 ppm As, 0.1 ppm Au, 2,000 ppm Cu	MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
69	Nelson	T.5S.,R.17E.	Cu,Ag	Massive, vein	M	A Kennecott-type deposit that contains cc, cv, and other Cu minerals in near-basal parts of a faulted block of Chititsine Limestone; minor production; a few hundred metres of underground workings	Bateman, 1932; Miller, 1946, p. 110-114; Salnsbury, 1951, p. 1-12; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
70		T.5S.,R.17E.	Cu	Vein	O	ml and az-bearing vein, 0.5-1 m thick, in fault that cuts Nikolai Greenstone; sq. sp. 2 ppm Ag, 500 ppm As, 20,000 ppm Cu	MacKevett and Smith, 1968, p. 12, 13, 15; MacKevett and Smith, 1972a
71	Snow Bird	T.5S.,R.16E.	Cu,Ag	Vein	p	Cu-bearing vein 0.5-1.5 m thick in shear zone that cuts Nikolai Greenstone; vein contains bn, cc, cp, py in a qz-calc gangue; explored by two short adits	Moffit, 1918a, p. 176, 177; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett, 1974
72	Westover	T.5S.,R.16E.	Cu,Ag	Massive and disseminated	M	Mainly bn-rich lenses that contain some cc and ml; located in lower part of Chititsine Limestone; more than 400 m of underground workings; minor production	Miller, 1946, p. 108-110; Moffit and Capps, 1911, p. 95-97; Moffit, 1918a, p. 175-177; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
73	Peavine	T.5S.,R.16E.	Cu	Vein, coating, disseminated, massive	M	Widespread ml and az coatings in brecciated fault zone, contains some cc; cuts both Chititsine Limestone and Nikolai Greenstone; small shipment made during winter of 1973-74; short adit and surface workings	Miller, 1946, p. 120; MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
74	Schulze	T.5S.,R.15E.	Cu	Massive and vein	P	Small cc-rich pod and cc-bearing stringers in lower part of Chititsine Limestone; explored by two short adits	MacKevett, 1974
75	Nikolai	T.5S.,R.15E.	Cu	Vein	P	Two Cu-bearing veins, each less than 1 m thick, in shear zones within Nikolai Greenstone; veins contain bn, cp, py, po, and secondary Cu and Fe minerals in a qz-calc gangue; the deposit was known to natives in late 1800's and originally staked in 1899; more than 100 m of underground workings; no recorded production	Miller, 1946, p. 106-108; Mendenhall and Schrader, 1903, p. 28, 29; MacKevett, 1974
75A		T.5S.,R.15E.	Cu?		P	Generalized location for diamond drilling exploration for Kennecott-type lodes, based on geochemical targets, during early 1970's	MacKevett, 1974
76		Tps.4,5S., R.15E.	Cu?		P	Generalized location of diamond drilling exploration, based on geophysical targets, for Kennecott-type lodes during early 1960's	MacKevett, 1974
77	Porphyry Mountain	T.5S.,R.14E.	Au,Mo	Vein	P	qz vein as much as 0.5 m thick intermittently distributed along fault cutting a Tertiary pluton; mo, mainly along selvages of vein; minor Au value; about 150 m of underground workings	MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett, 1974
78		T.5S.,R.13E.	Cu	Vein	O	Altered vein about 15 cm thick that cuts a Tertiary felsic pluton; sq. sp. 1.5 ppm Ag, 2,000 ppm Cu	Winkler and others, 1971, p. 4, 6; MacKevett and Smith, 1972b
79		T.5S.,R.13E.	Ag,Au	Vein	O	qz vein a few centimetres thick cutting Tertiary granodiorite; sq. sp. 7 ppm Ag, 5,000 ppm As, 0.4 ppm Au	Winkler and others, 1971, p. 4, 6; MacKevett and Smith, 1972b
80		T.4S.,R.22E.	Cu	Vein and disseminated	O	Native Cu, cc and their alteration products in a poorly exposed outcrop of Nikolai Greenstone	Koschmann and Bergendahl, 1968, p. 14; Moffit and Capps, 1911, p. 98-100, 103-107; MacKevett, 1974
81	Houghton Alaska	T.4S.,R.17E.	Cu	Coating and vein	p	Several closely spaced old prospects along minor faults near upper contact of Nikolai Greenstone; secondary Cu minerals coat fractures along the faults; explored by a few short adits	Miller, 1946, p. 120; MacKevett and Smith, 1972a
82	Contact Gulch	T.4S.,R.17E.	Cu	Coating and vein	p	Old surficial prospects in Nikolai Greenstone; explored scattered bn-bearing veinlets and ml surface coatings	Moffit and Maddren, 1908, p. 167; Moffit and Maddren, 1909, p. 90; MacKevett and Smith, 1972a
83		T.4S.,R.17E.	Cu	Vein and disseminated	O	cc- and ml-bearing veinlets and Cu-stained amygdules in lower part of Nikolai Greenstone	MacKevett and Smith, 1972a
84		T.4S.,R.17E.	Cu	Vein and coating	O	Secondary Cu minerals, mainly ml, along fractures and as surface coatings within a fault cutting Nikolai Greenstone	MacKevett, 1970a, p. 8
85		T.4S.,R.16E.	Cu	Massive and disseminated	P	Small mass of Cu minerals in Nikolai Greenstone near apex of an overturned fold; recent exploration	MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
86		T.4S.,R.16E.	Ni?,Au?	Vein?	O	calc and ba-bearing altered zone 9 m wide along major thrust fault; sq. sp. 2,000 ppm Ba, 0.03 ppm Au, >5,000 ppm Ba, 500 ppm Ni, >20 percent Fe	MacKevett and Smith, 1968, p. 8, 9, 14; MacKevett and Smith, 1972a
87	Green Butte	T.4S.,R.15E.	Cu,Ag	Massive and vein	M	A Kennecott-type deposit that contains cc-rich lodes localized in the lower part of the Chititsine Limestone; about 4,600 m of underground workings, reported to have produced about 1,500 tons of high-grade ore that contained about 1,200 pounds Cu and 10 oz Ag per ton; some recent exploration	Miller, 1946, p. 103-104; MacKevett, 1974
88	Tjosevig	T.4S.,R.15E.	Cu,Ag	Massive and vein	P	A Kennecott-type deposit in the lower part of the Chititsine Limestone; known deposits at the prospect are small; explored by a short (now caved) adit	Miller, 1946, p. 104-105; MacKevett, 1974
89	Bonanza	T.4S.,R.14E.	Cu,Ag	Massive, vein, and disseminated	M	Earliest worked Kennecott-type deposit in region; a major producer but only minor production from surficial operations since 1938; cc-rich lodes in lower part of Chititsine Limestone; subordinate amounts of ore incorporated in talus and glacier	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; MacKevett, 1970b; Douglass, 1964
90	Independence	T.4S.,R.14E.	Cu	Vein	P	cc- and bn-bearing veins in shear zones mainly in Nikolai Greenstone near contact with Chititsine Limestone	Moffit and Capps, 1911, p. 92; MacKevett, 1970b
91	Mother Lode	T.4S.,R.14E.	Cu,Ag	Massive, vein, and disseminated	M	A Kennecott-type deposit with workings that connect with those of the Bonanza mine; recent exploration activity; chiefly cc-rich lodes in Chititsine Limestone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; MacKevett, 1970b; Douglass, 1964
92	Jumbo	T.4S.,R.14E.	Cu,Ag	Massive, vein, and disseminated	M	Largest producer of Kennecott mines and accounts for most of the approximately 1.2 billion lbs copper and 9 million oz silver production from the Kennecott mines; extensive underground workings with interconnections with other Kennecott mines; cc-rich lodes in lower part of Chititsine Limestone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; MacKevett, 1970b; Douglass, 1964
93	Erie	T.4S.,R.14E.	Cu,Ag	Massive, vein, and disseminated	M	A Kennecott-type deposit; connected to Jumbo mine by a long haulage adit; mainly cc-rich lodes in lower part of Chititsine Limestone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; MacKevett, 1972; Douglass, 1964
94	Gorilla	T.4S.,R.14E.	Cu	Coating	p	Old shallow workings on Fe- and Cu-stained fractures in Nizina Limestone	
95		T.4S.,R.13E.	Cu	Massive	O	Small ml-coated cc pod in Nikolai Greenstone	
96		T.4S.,R.13E.	Cu	Vein	P	cc- and bn-bearing veins as much as 15 cm thick in Nikolai Greenstone near contact with Chititsine Limestone; remnants of surficial workings	MacKevett, 1972
97	Regal	T.4S.,R.13E.	Cu	Coating, vein, and disseminated	M	Chiefly ml-rich coatings, veinlets, and disseminations in basal Chititsine Limestone; minor production; explored by three inclines and subsidiary underground workings and by a few pits in nearby Nikolai Greenstone	Miller, 1946, p. 101, 102; Moffit, 1918, p. 163; MacKevett, 1972
98		T.4S.,R.12E.	Ag,Au	Disseminated	O	Float of altered Tertiary granodiorite; sq. sp. 2 ppm Ag, 0.2 ppm Au	Winkler and others, 1971, p. 4, 6; MacKevett and Smith, 1972b
99	Fourth of July Creek	T.4S.,R.12E.	Cu	Vein and coating	P	One short adit and remnants of numerous surficial workings in faulted and strongly jointed Nikolai Greenstone; contains secondary Cu minerals, chiefly ml, and minor bn and cp	Moffit and Maddren, 1909, p. 163; Moffit, 1918a, p. 79, 80; MacKevett, 1972
100	Nebraska	T.4S.,R.12E.	Cu	Vein and coating	p	Several sloughed pits and one short adit in fractured Nikolai Greenstone; contains secondary Cu minerals, mainly ml, and rare bn	Moffit and Maddren, 1909, p. 79
101	Lakina	Tps.3,4S., R.11E.	Cu,Ag	Vein and disseminated	P	Main prospect explored by adit on two shear zones, each less than 1 m thick, in Nikolai Greenstone; the shear zones contain cc, bn, cv, ml, and az; nearby surficial workings along a brecciated flow top of Nikolai Greenstone that contains sporadically distributed native Cu	Moffit and Maddren, 1909, p. 75-77; Moffit, 1918a, p. 161, 162
102		T.4S.,R.10E.	Cu,Ag	Vein and disseminated	O	Altered volcanic rocks of Skolai Group; sq. sp. 3 ppm Ag, 3,000 ppm Cu	
103		T.4S.,R.10E.	Ag	Vein	O	Fe-stained gouge in fault zone 3 m wide that cuts metamorphosed Skolai Group; sq. sp. 7 ppm Ag, 200 ppm Pb	
104	Kinney-Golden	T.4S.,R.10E.	Cu	Vein	P	cp and secondary Cu minerals localized along subsidiary faults that cut Nikolai Greenstone and the lower member of the McCarthy Formation near a major thrust fault. Explored by an adit and trenches	Moffit, 1918a, p. 160, 161
105		T.4S.,R.9E.	Cr?	Disseminated	O	Small cupola of gabbro that intrudes volcaniclastic rocks of Station Creek Formation; sq. sp. 150 ppm Co, 1,000 ppm Cr, 150 ppm Ni	
106	Calcite	T.4S.,R.9E.	Cu	Vein and coating	p	In brecciated fault zone in Chititsine Limestone near contact with granodiorite; fault zone contains abundant serpentine minerals and sparsely distributed py, cp, and secondary Cu minerals; explored by short adit	Moffit and Mertie, 1923, p. 138, 139
107	Midas (Berg Creek) Upper workings	T.4S.,R.9E.	Cu,Fe,As	Massive and vein	P	Contact-metamorphic and vein deposits in metamorphosed Nizina Limestone adjacent to granodiorite-quartz diorite pluton; contains mgt, py, and cp; sq. sp. of altered vein contained >10,000 ppm As	Moffit and Mertie, 1923, p. 140, 141
108	Midas (Berg Creek) Lower workings	T.4S.,R.9E.	Au,Ag,Cu,Fe	Vein and massive	M	qz veins and skarn in metamorphosed Chititsine Limestone near contact with granodiorite and quartz diorite; the qz veins contain py and cp and are Au and Ag bearing; sq. sp. of a vein grab sample contained 8 ppm Au(AA), 10 ppm Ag, 1,000 ppm Cu, and 20 ppm Mo; the skarn consists of mgt and epidote with irregularly distributed py and cp; a grab sample of it contained 0.6 ppm Au(AA), 1.5 ppm Ag, 20,000 ppm Cu, and 500 ppm Co; explored by two adits; small token production of Au and Ag	Moffit and Mertie, 1923, p. 143-146
109		T.3S.,R.24E.	Cu	Massive and disseminated	O	Native Cu in Nikolai Greenstone; the Cu ranges from shot-size pellets to ramifying masses weighing a few pounds	
110		T.3S.,R.24E.	Cu	Placer	P	Fairly abundant Cu nuggets in gravels of Kletsan Creek; parts of Kletsan Creek, mainly in Canada, have been staked for placer Cu	Moffit and Knopf, 1910, p. 57; Capps, 1916, p. 124, 125
111		T.3S.,R.23E.	Cu,Ag	Vein	O	Cu minerals, mainly ml, in veinlets within a shear zone that cuts Triassic Donnella beds; mineralized outcrop about 3 x 30 m; sq. sp. 100 ppm Ag, 1,500 ppm As, >20,000 ppm Cu	
111A		T.3S.,R.21E.	Cu,Ag,Au	Vein and disseminated	O	Cu-bearing veinlets and disseminations in altered volcaniclastic rocks of Station Creek Formation; 0.9 ppm Au(AA), sq. sp. 15 ppm Ag, 10,000 ppm Cu	
112		T.3S.,R.20E.	Cu	Coating	O	Fe- and Cu-stained Nikolai Greenstone; probably old Cu prospect in vicinity but workings are obliterated	
113		T.3S.,R.17E.	Cu	Vein	O	cp and az-bearing qz veins as much as 10 cm thick that cut Wrangell Lava	MacKevett, 1970a, p. 8
114		T.3S.,R.16E.	Cu	Vein	O	cc- and ml-bearing qz-calc veinlets and veins as much as 20 cm thick along faults in Nikolai Greenstone	MacKevett, 1970a, p. 7, 8
115		T.3S.,R.13E.	Cu	Vein and coating	P	Short adit near Chititsine-Nikolai contact, sparsely distributed secondary Cu minerals and cc along fault	
116	South of Hidden Creek	T.3S.,R.12E.	Cu	Vein and coating	P	Several prospects, explored by short adits or by surficial workings along faults in Nikolai Greenstone or at Nikolai-Chititsine contact; contain ml and cl and minor bn	Moffit and Maddren, 1909, p. 78, 79; Moffit, 1918a, p. 162, 163; MacKevett, 1972
117		T.3S.,R.12E.	Cu	Vein and coating	p	Adit about 30 m long and old surficial workings along faults in Nikolai Greenstone that contain secondary Cu minerals and scattered bn	Moffit and Maddren, 1909, p. 77-80; Moffit, 1918a, p. 162, 163; MacKevett, 1972
118	North of Hidden Creek	T.3S.,R.12E.	Cu	Vein	P	ml and minor cc along narrow vein in fault that cuts Nikolai Greenstone; some recent exploration	
119		T.3S.,R.12E.	Cu	Vein and coating	O	Secondary Cu minerals in sheared Nikolai Greenstone; sq. sp. 7 ppm Ag, 500 ppm Cr, 15,000 ppm Cu	
120		T.3S.,R.12E.	Sb	Vein	O	Thin sb-bearing vein in Chititsine Limestone; sq. sp. 2,000 ppm Sb	
121		T.3S.,R.10E.	Cu	Massive and disseminated	O	A small exposure of skarn in Triassic marble; an iron-rich contact-metamorphic deposit; sq. sp. 0.06 ppm Au(AA), 1,500 ppm Cu, 7 ppm Mo, >20 percent Fe	
122		T.3S.,R.10E.	Au	Placer	p	Relicts of old placer gold workings	
123		T.3S.,R.10E.	Au?,Mo	Vein	O	Vein about 1 m thick along fault that separates Nikolai Greenstone and Chititsine Limestone; sq. sp. 0.06 ppm Au(AA), 300 ppm Co, 50 ppm Mo	
124		T.3S.,R.10E.	Mo	Vein	O	Thin altered zone at contact between a felsic dikelet and Nikolai Greenstone; sq. sp. 70 ppm Mo	
125		T.3S.,R.10E.	Cu,Zn