UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TABLE DESCRIBING METALLIFEROUS AND SELECTED NONMETALLIFEROUS MINERAL DEPOSITS IN EASTERN SOUTHERN ALASKA

TO ACCOMPANY
OPEN-FILE MAP 77-169A

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature

Menlo Park, California
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TABLE DESCRIBING METALLIFEROUS AND SELECTED NONMETALLIFEROUS MINERAL DEPOSITS IN EASTERN SOUTHERN ALASKA

(To accompany open-file map 77-169A)

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EXPLANATORY STATEMENT

This table briefly and objectively describes known deposits and principal occurrences of metallic and some nonmetallic mineral commodities in eastern southern Alaska. The table and accompanying map are part of the Regional Alaska Minerals Resource Assessment Program (RAMRAP) for southern Alaska. They are based on an extensive literature search, consultations with colleagues, and the firsthand knowledge of the authors. In particular, Alaskan mineral deposits maps prepared by E. H. Cobb of the U.S. Geological Survey and information derived from the Alaska Minerals Resource Appraisal Program (AMRAP) were extremely useful in this study. Likewise, U.S. Bureau of Mines maps depicting locations of mining claims were used extensively. Cobb's and the AMRAP and Bureau data were updated and augmented where possible with basic information gleaned from other sources. Even so, large disparities exist in the data base ranging from deposits that are well documented by modern studies to others that are only vaguely mentioned in the old literature.

This report focuses on locating and briefly describing the known deposits in the study region. Another report (in preparation) provides an assessment of the region's mineral endowment and potential mineral resources. However, some information regarding the significance of the deposits can be inferred from the table, particularly under the headings "Type" and "Brief Description".

As used in this report, "eastern southern Alaska" extends from the 138° or 141° meridians westward to the 153° meridian and from the Gulf of Alaska northward to an irregular boundary north of the Alaska Range (see index maps that accompany the mineral deposits map). The deposits are numerically tabulated within their respective 1:250,000-scale quadrangles, which are listed in the following alphabetic sequence (see index map for locations): Anchorage, Bering Glacier, Big Delta (approximate southern one-third), Blying Sound, Cordova, Fairbanks (approximate southern half), Gulkana, Healy, Icy Bay, Kantishna River (approximate southeastern one-sixth), Kenai, McCarthy, Mt. Hayes, Mt. McKinley (approximate eastern five-sixth), Mt. Saint Elias (Alaskan part), Nabesna, Seldovia, Seward, Talkeetna, Talkeetna Mountains, Tanacross (approximate southern one third), Tyonek, Valdez, and Yakutat.

EXPLANATION

TABLE HEADINGS

MAP NO. AND NAME(S) (if known)

Map no. refers to a specific deposit in a given quadrangle on the mineral deposits map and serves to link the map and table. Name(s) of mines or prospects are derived from published sources or from general usage. In some cases more than one mine or prospect are grouped under the same map number. Names in parentheses are duplicate and generally less valid names for the mine or prospect preceding the parentheses.

MAP COORDINATES, LOCATION

Map coordinates indicate the position of each deposit on the mineral deposits map using letters for each degree of longitude and numbers for each degree of latitude. Location refers to the standard township and range land designations relevant to specific parallels and meridians and requires a U.S. Geological Survey quadrangle map (or similar map) for satisfactory use.

CATEGORY

The terms mine, prospect, and occurrence are used as follows:

Mine -- a mineral deposit with recorded production.

Prospect -- a deposit that has been staked and, in most cases, has been scantily explored but lacks evidence of production. Probably many of the placer gold deposits that are listed as prospects have had at least meager production, but because of lack of substantitive evidence they are classified as prospects.

Occurrence -- a deposit that, as far as known, is unclaimed, and is mainly known from recent U.S. Geological Survey or Alaska Division of Geological and Geophysical Surveys field investigations. Numerous, apparently insignificant, minor occurrences are not included in the map and table.

M -- mine with no known post-1950 activity
$\underline{M}$ -- mine with known or probable post-1950 activity
$\underline{p}$ -- prospect with no apparent post-1950 activity
$\underline{P}$ -- prospect with apparent post-1950 activity
$\underline{O}$ -- occurrence

RESOURCE(S)

Indicates the main mineral commodity or commodities (by standard chemical symbols) that have been produced or for which the deposit is noteworthy. Minor constituents, byproducts, or potential byproducts are shown in parentheses.

FORM

Denotes the physical aspect of a deposit.

TYPE

The deposits are classified according to generally used deposit types, most of which have genetic connotations. In a broad sense most metalliferous mineral deposits are hydrothermal; in many cases, deposits that don't readily conform to other types are listed in the table as hydrothermal. Due to the paucity of information, classifications for some deposits are arbitrary; in general such classifications are queried.

BRIEF DESCRIPTION

Provides brief descriptions of the geology and mineralogy of the deposits and, in some instances, production and historical data.

PRINCIPAL REFERENCES

Cites sources for information used in the table and map. A list of references cited follows the table.

Abbreviations used

Standard chemical symbols -- for example, Au for gold; Cu for copper.
m for meter

Minerals

aspy -- arsenopyrite
az -- azurite
bn -- bornite
calc -- calcite
cc -- chalcocite
chl -- chlorite
chrys -- chrysocolla
cl -- chalcanthite
cp -- chalcopyrite
cub -- cubanite
cup -- cuprite
cv -- covellite
dig -- digenite
epid -- epidote
gn -- galena
hem -- hematite
ilm -- ilmenite
lim -- limonite
mgt -- magnetite
ml -- malachite
mo -- molybdenite
ms -- marcasite
po -- pyrrhotite
py -- pyrite
qz -- quartz
re -- realgar
sb -- stibinite
sch -- scheelite
sl -- sphalerite
td -- tetrahedrite
ten -- tenorite

ANCHORAGE QUADRANGLE
(latitude, 61°-62°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) - Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Thorpe	P,9 T.19N.,R.1W.	M	Au(Ag)	Vein, veinlet	Hydrothermal	Au-bearing qz veins and stringers in upper Paleozoic schist	Ray, 1933, p. 228; Ray, 1954, p. 78-79
2 Wheeler (Betts and Dimmick)	P,9 T.19N.,R.1W.	P	Au	Vein	Hydrothermal	Au-bearing qz veins in upper Paleozoic schist	Jasper, 1962, p. 79-81
3 Lucky Shot, War Baby (Willow Creek Mines)	P,9 T.20N.,R.1W.	M	Au(Cu)	Vein	Hydrothermal	Au-bearing qz veins in Upper Cretaceous - Lower Tertiary tonalite; some Cu minerals in the veins	Ray, 1933, p. 204-213; Ray, 1954, p. 83
4 Panhandle, Wolverine, Kempf (Golden Top)	P,9 T.20N.,R.1W.	P	Au	Vein	Hydrothermal	Au-bearing qz veins in Upper Cretaceous - Lower Tertiary tonalite	Chapin, 1921, p. 202; Jasper, 1962, p. 75-79; Smith, 1934, p. 16-17
5 Golden Light	P,9 T.20N.,R.1W.	p	Au	Vein	Hydrothermal	qz veins in Upper Cretaceous-Lower Tertiary tonalite	Chapin, 1921, p. 202
6 Thorpe and nearby prospects	P,9 T.20N.,R.1E.	p	Au	Vein	Hydrothermal	qz veins in Upper Cretaceous-Lower Tertiary tonalite	Smith, 1932, p. 19; Capps and Tuck, 1935, p. 110
7 Brassel Brothers	P,9 T.20N.,R.1E.	p	Au	Vein	Hydrothermal	qz veins in tonalite	Chapin, 1921, p. 202
8 Gold Bullion	P,9 T.20N.,R.1E.	M	Au(Cu)	Vein	Hydrothermal	Au-bearing qz veins that contain some py, cp, and secondary Cu minerals and cut tonalite	Capps, 1915, p. 66-69; Ray, 1933, p. 213-214
9 Mammoth, Kelly-Willow	P,9 Tps.19,20N.,R.1E.	P	Au(Cu)	Vein	Hydrothermal	Au-bearing qz veins in shear zones in tonalite; the veins contain some py, cp, and secondary Cu minerals	Capps, 1915, p. 71-72; Ray, 1954, p. 80-82
10 Independence, Jap, Martin	P,9 T.20N.,R.1E.	M,p	Au(Te,Cu)	Vein	Hydrothermal	Au-bearing qz veins, generally less than 3 m thick, that cut Upper Cretaceous-Lower Tertiary tonalite; the veins contain sparsely distributed py, aspy, and base metal sulfides, some sch and rare tellurides	Ray, 1933, p. 215, 216; Ray, 1954, p. 58-65; Brooks, 1925, p. 41
11 Bluebird, Gold Cord, High Grade	P,9 T.20N.,R.1E.	M,p	Au(Cu,Pb,Zn)	Vein	Hydrothermal	Au-bearing qz veins in Upper Cretaceous-Lower Tertiary tonalite; the veins are as much as 3 m thick and typically contain minor amounts of py, aspy, td, gn, cp, sl, and sch	Capps, 1919c, p. 185; Ray, 1933, p. 217-220; Thorne and others, 1948, p. 35; Ray, 1954, p. 76
12 Marion Twin, Newman and Miller, Schroff-O'Neil	P,9 T.20N.,R.1E.	M,p	Au(Pb,Cu,Te,Zn)	Vein	Hydrothermal	Thin, locally vuggy, qz veins that cut tonalite and contain some Au, gn, py, cp, sl, and tellurides	Ray, 1954, p. 75-76; Brooks, 1925, p. 42
13 Bronson and France, Dixie; Galena-Gold; Little Willie (Holland)	P,9 T.20N.,R.1E.	M,p	Au,Cu(Mo,Pb)	Vein, dike	Hydrothermal, pegmatite	The Bronson and France and Galena-Gold exploited thin Au-bearing qz veins and stringers that contain py and minor gn; the Dixie and Little Willie are Cu prospects on pegmatite dikes, a few m thick, that contain small amounts of bn, cp, and mo; all of the deposits are in Upper Cretaceous - Lower Tertiary tonalite	Jasper, 1962, p. 79; Chapin, 1921, p. 202-203; Capps, 1919c, p. 186; Ray, 1954, p. 82-83
14 Smith	P,9 T.20N.,R.1E.	p	Au	Vein	Hydrothermal	Small Au-bearing qz veins in tonalite	Capps and Tuck, 1935, p. 110

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
15 Lane	P,9 T.20N.,R.1E.	P	Au	Vein	Hydrothermal	Thin vein of coarse, vuggy quartz in tonalite	Ray, 1954, p. 82
16 Bartholf-Isaacs, Fern, Little Gem, Marmot, Talkeetna	P,9 T.20N.,R.1E.	M,p	Au(Pb,W)	Vein	Hydrothermal	Au-bearing qz veins and stringers in Upper Cretaceous-Lower Tertiary tonalite; some veins contain ankerite; some minor sch or gn; the Fern mine was a major producer	Capps, 1915, p. 76; 1919c, p. 185-186; Ray, 1933, p. 222-226; Thorne and others, 1948, p. 35; Ray, 1954, p. 65-68, 83; Chapin, 1921, p. 204
17 Grimes, Mohawk, Reed and Fisk, Webfoot, Arch	P,9 T.20N.,R.1E.	p	Au	Vein	Hydrothermal	Au-bearing qz veins less than 1 m thick that cut tonalite; some contain aspy and rare Cu minerals	Capps, 1915, p. 70-71, 77; 1919c, p. 183; Katz, 1911, p. 148; Ray, 1954, p. 78
18 Rae-Wallace (Rosenthal), Stiles (Shough), Mabel	P,9 T.20N.,R.1E.	M,p	Au(Cu)	Vein	Hydrothermal	Au-bearing qz veins less than 1 m thick that cut tonalite; the veins generally contain aspy, py, gn, td, and minor sl and cp; the Mabel was an important producer, the others are essentially prospects	Capps, 1915, p. 74-76; Ray, 1933, p. 220-222, 226-227; Ray, 1954 p. 68-70
19 Rae, San Juan	P,9 T. 20N.,R.1E.	p	Au(Cu)	Vein, dike	Hydrothermal, pegmatite	The Rae is on thin qz veins in a shear zone; some Au, gn, cp, py, and secondary Cu minerals occur with the qz; the San Juan is on a pegmatite dike; both prospects are in tonalite country rock	Capps, 1915, p. 77-78
20 Gold Quartz, Opal, Homebuilder, Idamar, McCoy	P,9 T.20N.,R.1E.	p	Au	Vein	Hydrothermal	Thin qz veins that cut tonalite; generally contain minor amounts of Au and py	Capps, 1915, p. 76; 1916b, p. 200; Brooks, 1925, p. 42; Chapin, 1921, p. 205
21 Archangel, LeRoi	P,9 T.20N.,R.2E	p	Au	Vein	Hydrothermal	Thin Au-bearing qz veins in tonalite	Capps, 1916b, p. 200; Chapin, 1921, p. 205
22 Mary Ann, Mogul	P,9 T.20N.,Rs.1,2E.	p	Au	Vein	Hydrothermal	Thin, drusy qz veins that contain Au and scattered sulfides in tonalite	Chapin, 1921, p. 205; Capps, 1915, p. 74
23 Snowbird, Snow King	P,9 T.20N.R.1E.	M,p	Au	Vein	Hydrothermal	Thin Au-bearing qz veins in shear zones in tonalite; the Snowbird had some production	Ray, 1954, p. 73-75; Chapin, 1921, p. 205
24 Reed Creek	P,9 T.20N.,R.2E.	p	Mo,Cu	Dike?	Pegmatite?	Probably scattered mo and cp in a pegmatite dike that cuts tonalite	Jasper, 1967b, p. 3
25 Maverick; Lonesome (Gold Mint)	P,9 T.20N.,R.2E.	M,p	Au,Ag(Te)	Vein	Hydrothermal	Au, Ag-bearing qz veins that cut mafic tonalite; the veins contain rare tellurides; the Lonesome had minor production	Chapin, 1921, p. 205; Ray, 1933, p. 227-228; Ray, 1954, p. 70-73
26 Lone Tree Gulch	P,9 T.20N.,R.2E.	0	Cu			Scattered Cu occurrences, mainly stains, in tonalite	Jasper, 1967b, p. 3
27 Moose Creek	P,9 T.20N.,R.2E.	p	Cu(Ag,Zn)	Disseminated, massive	Replacement?	Massive and disseminated py, po, cp and minor sl in gneissic mafic granitic rocks	Capps, 1919c, p. 183-184
28 Myers	P,9 T.15N.,R.1W.	p	Zn,Pb(Cu)	Disseminated	Submarine volcanogenic?	Small, local disseminations of aspy, py, sl, gn, and less abundant cp in metavolcanic rocks of probable late Paleozoic age	Landes, 1927, p. 71
29 Mount Eklutna	P,9 T.15N.,R.1W.	0	Cr	Disseminated, massive	Magmatic	Thin chromite-rich bands in dunite of probable late Paleozoic age	Rose, 1966b, p. 11
30 Thunderbird Creek	P,9 T.16N.,R.1E.	0	Cr	Disseminated, massive	Magmatic		

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31 West Twin Peak	P,9 T.16N.,R.1E.	0	Cr	Disseminated	Magmatic	Chromite occurrence in dunite	Rose, 1966b, fig. 2
32 Highway, Pioneer Creek	P,9 T.16N.,R.1E.	p	Cr	Disseminated, massive, lenticular	Magmatic	Low-grade chromite deposits in zones as much as a few meters thick in upper Paleozoic? dunite	Bjorklund and Wright, 1948; Rose, 1966b, p. 9-11
33 Eklutna Tunnel	P,9 T.16N.,R.2E.	0	Hg	Pod	Hydrothermal	Small pod of cinnabar reported from a fault zone in the Eklutna Tunnel	Rose, 1966b, p. 13
34 Jim Creek	Q,9 T.17N.,R.4E.	p	Cu(Ag,Zn)	Vein	Hydrothermal, submarine, volcanogenic	Narrow, sheeted lode in upper Paleozoic metavolcanic rocks; contains po, cp, and sl	Landes, 1927, p. 69-70
35	Q,9 T.18N.,Rs.4,5E.	0	Cr(Ni)	Disseminated, massive	Magmatic	Chromite in disseminations and thin layers in dunite; minor anomalous Ni concentrations in nearby ophiolitic rocks	Clark, 1972, p. 5
36	Q,9 T.17N.,R.7E.	0	(Cu,Au,Ag)	Vein	Hydrothermal, contact metamorphic?	Weakly mineralized zone consisting of po-cp-qz veins in Valdez Group (Cretaceous) flysch adjacent to a Tertiary granitic pluton	Richter, 1967b, p. 7
37 Sheep Mountain	R,9 T.20N.,R.11E.	0	Cu(Au)	Disseminated, vein	Porphyry? hydrothermal	Strongly altered zones that contain gypsum, alunite, and pyrophyllite in the Lower Jurassic Talkeetna Formation; near apparently unmineralized Jurassic granite; minor anomalous concentrations of Cu and Au associated with some of the alteration zones and in nearby veins	Martin and Mertie, 1914, p. 281-282; U.S. Geol. Survey, unpublished data
38 Rusaw Creek	R,9 T.19N.,R.11E.	0	Cu	Disseminated	Porphyry?	Small zones of disseminated cp and mgt in Jurassic? quartz diorite; other minor Cu occurrences nearby	Jasper, 1965, p. 4
39 Peters Creek	P,9 T.13N.,R.2E.	p	Au	Vein	Hydrothermal	Thin, Au-bearing qz veins in metavolcanic rocks of McHugh Complex (Lower Cretaceous)	Capps, 1916c, p. 192-193
40 Eagle Creek	P,9 T.12N.,R.2E.	p	Ag,Au	Vein	Hydrothermal	Thin qz veins and stringers in a sheeted zone about 15 m wide within Valdez Group (Cretaceous) graywacke and conglomerate; minor amounts of py and base metal sulfides associated with the qz	Park, 1933, p. 419-420
41 Bahrenberg	P,9 T.11N.,R.2E.	M	Au	Vein	Hydrothermal	Thin Au-bearing qz-calc veins that cut Valdez Group argillite; the veins carry some aspy, py, gn, and sl	Park, 1933, p. 417-418
42 Agostino, Brenner, Gunnysack, Monarch-Jewel	P,9 T.11N.,R.2E.	M,p	Au	Vein	Hydrothermal	Au-bearing qz veins less than 1 m thick in Valdez Group, mainly graywacke; generally near Tertiary quartz diorite dikes; the veins contain an array of sulfide minerals including gn, aspy, py, po, mo, cp, and sl; minor production from Agostino and Monarch-Jewel	Park, 1933, p. 413-419
43 Black and Hogan	Q,9 Tps.11,12 N.,R.7E.	p	Au	Vein	Hydrothermal	Thin, Au-bearing qz veins that cut Valdez Group graywacke near Tertiary granitic dikes; associated with gn, aspy, and sl	Johnson, 1914, p. 228
44 Barry Arm, Capitol Hill	Q,9 T.12N.,R.7E.	M?,p	Sb,Au	Vein	Hydrothermal	The Barry Arm contains a small sb lode within a shear zone in the Valdez Group; Capitol Hill is an Au prospect on qz veins in the Valdez Group	Grant and Higgins, 1910, p. 78; Martin, 1920, p. 33

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45 Reiter and Olson	Q,9 T.11N.,R.7E.	p	Sb,Au(Cu)	Vein	Hydrothermal	Sb-bearing qz veins in Valdez Group; the veins are less than 1 m thick and contain minor cp and gn	Johnson, 1914, p. 228
46 Mitchell and Myers	Q,9 T.11N.,R.7E.	p	Au	Vein	Hydrothermal	Thin mineralized qz veins and stringers in a Tertiary felsic dike that cuts the Valdez Group; the deposit contains Au, aspy, py, and gn	Johnson, 1914, p. 227-228
47 Paymaster	Q,9 T.12N.,R.7E.	p	Au	Vein	Hydrothermal	Thin qz vein in Valdez Group	Johnson, 1914, p. 225
48 Simonton and Mills	Q,9 T.11N.,Rs.7,8E.	p	Au	Vein	Hydrothermal	qz veins and lenses in Valdez Group graywacke and slate; contain Au, gn, py, and cp	Johnson, 1914 p. 226
49 Walters, Brasslin, and Atkinson	Q,9 T.11N.,R.8E.	p	Au	Vein	Hydrothermal	thin qz vein in Valdez Group graywacke and slate; contains aspy and minor amounts of gn, sl, and Au	Johnson, 1914, p. 225-226
50 Cameron, Last Chance No. 2	Q,9 T.11N.,R.8E.	p	Au	Vein	Hydrothermal	Thin qz-calc veins in Valdez Group, mainly slate and argillite; the veins carry aspy, py, and cp	Johnson, 1914, p. 226-227
51 Griset and Benson	Q,9 T.11N.,R.8E.	p	Au	Vein	Hydrothermal	Claims on a qz vein that averages about 1 m in thickness and cuts the Valdez Group	Johnson, 1914, p. 227
52 Cann and Minor	R,9 T.12N.,R.9E.	p	Au	Vein	Hydrothermal	qz veins, as much as 2 m thick, in Valdez Group slate and graywacke and a Tertiary felsic dike; the veins appear to be associated with the dike; they contain calc, py, sl, and cp	Johnson, 1914, p. 218
53 Miners River	R,9 T.12N.,R.12E.	p	Cu?	Disseminated		Old prospect in a Tertiary dioritic pluton that contains disseminated po and probably cp	Grant and Higgins, 1910, p. 77
54 Wells Bay	R,9 T.11N.,R.12E.	p	Cu			Old prospects, probably in volcanic rocks of Valdez Group or in Tertiary intrusive rocks	Moffit and Fellows 1950, p. 77
55 Globe, Long Bay	R,9 T.10S.,R.11W.	p	Cu	Disseminated	Submarine volcanogenic?	Cu prospects, probably associated with volcanic rocks in the Valdez Group	Johnson, 1919a, p. 146; Moffit and Fellows, 1950, p. 77
56 Willow Creek	P,9 T.19N.,R.1W.	p	Au	Disseminated	Placer	Mainly bench gravels that contain Au	Paige and Knopf, 1907b, p. 66-67, Capps, 1915, p. 55
57 Grubstake Gulch, Willow Creek	P,9 T.19N.,R.1W.	M	Au	Disseminated	Placer	Important placer deposits that have been worked intermittently since about 1900; production valued at more than 1 million dollars (current Au prices)	Capps, 1915, p. 52-54; Jasper, 1962, p. 81-82
58 Fishhook Creek	P,9 T.19N.,R.1E.	p	Au	Disseminated	Placer	Low-grade Au placers, mainly in morainal deposits	Capps, 1915, p. 55
59 Chickaloon River	Q,9 T.20N.,R.6E.	p	Au	Disseminated	Placer	Old placer prospect for Au in stream gravels	Mendenhall, 1900, p. 322
60 Schoonoven (Boulder) Creek	Q,9 T.20N.,R.6E.	p	Au	Disseminated	Placer	"	"
61 Alfred Creek	R,9 T.22N.,Rs.10,11E.	M	Au(Pt)	Disseminated	Placer	Stream placers in a region of Cretaceous sedimentary and Jurassic rocks that are cut by Tertiary dikes	Martin and Mertie, 1914, p. 278-279; Brooks, 1925, p. 30
62 South Creek	R,9 T.22N.,R.12E.	p	Au	Disseminated	Placer	Old prospect for placer Au	Martin and Mertie, 1914, p. 278
63 Poorman Creek	R,9 T.22N.,R.12E.	M	Au	Disseminated	Placer	Stream placers in terrane characterized by Cretaceous sedimentary rocks	Chapin, 1918, p. 62

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
64 Metal Creek	Q,9 T.16N.,R.5E.	P	Au(W)	Disseminated	Placer	Low-grade stream placers in Valdez Group terrane	Richter, 1967b, p. 8-10, 15-16
65 Metal Creek	Q,9 T.17N.,R.6E.	O	Au	Disseminated	Placer	Placer Au occurrences in vicinity	Richter, 1967b, p. 8-10, 15-16
66 Crew Creek	P,9 T.11N.,R.2E.	M	Au	Disseminated	Placer	Old placer Au working; in Valdez Group terrane, mainly in stream gravels	Moffit, 1906, p. 41-43; Paige and Knopf, 1907a, p. 121-122
67 Crow Creek	P,9 T.11N.,R.2E.	M	Au	Disseminated	Placer	Old placer Au workings in Valdez Group terrane	Moffit, 1906, p. 40-43; Capps, 1916c, p. 175-185
68 Bird Creek	P,9 T.11N.,R.1E.	p	Au	Disseminated	Placer	Old placer prospect	Capps, 1916c, p. 187
69 Rainbow Creek	P,9 T.11N.,R.2W.	p	Au	Disseminated	Placer	Placer Au prospect	Smith, 1939a, p. 43
70 Raven Creek	P,9 T.12N.,R.2E.	p	Au	Disseminated	Placer	Placer Au prospect in Valdez Group terrane	Park, 1933, p. 406
71 Horn Mountains	R,9 T.22N.,R.11E.	O	Zeolites	Disseminated	Diagenetic	Zeolite occurrences in general area, associated with tuffaceous rocks of the Talkeetna Formation (Lower Jurassic)	Hawkins, 1976
72	P,9 T.11N.,Rs.2,3W.	p	Au			Lode Au claim in McHugh Complex (Jurassic and Cretaceous)	U.S. Bur. Mines, 1973
73	P,9 T.11N.,R.2W.	p	Au	Disseminated	Placer	Placer Au claims	"
74	P,9 T.11N.,R.3W.	p	Au	Disseminated	Placer	Placer Au claims	"
75	P,9 T.12N.,R.3W.	p	Au	Disseminated	Placer	"	"
76	P,9 T.13N.,R.3W.	p	Au	Disseminated	Placer	"	"
77	P,9 T.11N.,R.1W.	p	Au	Disseminated	Placer	"	"
78	P,9 T.11N.,R.2E.	p	Au	Disseminated	Placer	"	"
79	P,9 T.11N.,R.2E.	p	Au			Lode Au claim in Valdez Group	"
80	P,9 T.13N.,R.1W.	p	U?			U? claim, in McHugh Complex cut by felsic Tertiary dikes	"
81	Q,9 T.12N.,R.7E.	p	Au(Cu,Ag)	Vein?	Hydrothermal?	Lode claims, probably on qz veins in Valdez Group	"
82	Q,9 T.11N.,R.8E.	p	Au(Pb)	Vein?	Hydrothermal?	Lode claims, probably on qz veins in Valdez Group	"
83	R,9 Tps.11,12N.,R.11E.	p	Cu(Ni)		Submarine volcanogenic?	Lode claims, probably in mafic volcanic rocks of Valdez Group	"
84	R,9 T.12N.,R.12E.	p	Cu		Submarine volcanogenic?	Lode calims, probably in mafic volcanic rocks of Valdez Group	"
85	R,9 T.12N.,R.12E.	p	Cu(Au,Ag)		Submarine volcanogenic?	"	"
86	R,9 T.12N.,R.12E.	p	Cu		Submarine volcanogenic?	"	"
87	P,9 T.14N.,R.2W.	p	Au	Disseminated	Placer	Placer Au claims	"
88	P,9 T.16N.,R.1E.	p	Cu			Cu claims, probably in upper Paleozoic metamorphic rocks or gabbro	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
89	Q,9 T.16N.,R.3E.	p	Au	Disseminated	Placer	Placer Au claims	U.S. Bur. Mines, 1973
90	Q,9 T.16N.,R.3E.	p	Au(Pt)	Disseminated	Placer	"	"
91	Q,9 Tps.15,16N.,R.4E.	p	Au	Disseminated	Placer	"	"
92	Q,9 Tps.16,17N.,Rs.4,5E.	p	Au	Disseminated	Placer	"	"
93	Q,9 T.16N.,R.4E.	p	Au	Disseminated	Placer	"	"
94	Q,9 T.15N.,R.4E.	p	Au	Disseminated	Placer	"	"
95	Q,9 Tps.15,16N.,R.5E.	p	Au	Disseminated	Placer	"	"
96	Q,9 T.15N.,R.5E.	p	Au	Disseminated	Placer	Placer Au claims	"
97	Q,9 Tps.15,16S.,Rs.6,7E.	p	Au	Disseminated	Placer	Placer Au claims; in Valdez Group terrane	"
98	P,9 Tps.18,19N.,R.2E.	p	Au	Disseminated	Placer	Placer Au claims	"
99	Q,9 T.18N.,Rs.2,3E.	p	Au(Ag)			Lode claims in upper Paleozoic metamorphic rocks	"
100	Q,9 T.18N.,R.3E.	p	Au			"	"
101	Q,9 T.17N.,R.3E.	p	Au	Disseminated	Placer	Placer Au claims	"
102	Q,9 T.18N.,R.6E.	p	Au	Disseminated	Placer	"	"
103	R,9 T.1N.,R.10W.	p	Cr		Magmatic	Cr claims, probably in ultramafic rocks	"
104	R,9 Tps.21,22N.,R.10E.	M	Au	Disseminated	Placer	Placer Au workings	"
105	R,9 T.22N.,R.10E.	p	Au	Disseminated	Placer	Placer Au claims	"
106	R,9 Tps.21,22N.,R.10E.	M	Au	Disseminated	Placer	Placer Au workings	"
107	R,9 T.21N.,R.10E.	p	Au	Disseminated	Placer	Placer Au claims	"
108	R,9 T.22N.,R.9E.	P	Au	Disseminated	Placer	"	"
109	R,9 ps.20,21N.,R.11E.	P	Cu			Cu claims, probably mainly in Talkeetna Formation	"
110	R,9 T.21N.,Rs.10,11E.	P	Au	Disseminated	Placer	Placer Au claims	"
111	R,9 T.21N.,R.10E.	P	Au	"	"	"	"
112	R,9 T.20N.,R.11E.	P	Cu	Disseminated?	Porphyry?	Strongly altered zone in Talkeetna Formation and Tertiary felsic pluton	"
113	R,9 T.20N.,R.11E.	P	Gypsum	Disseminated	Hydrothermal	Intensely hydrothermally altered zone associated with Tertiary felsic plutons; contains gypsum	Eckhart, 1953
114	R,9 T.20N.,R.10E.	P	Cu(Au)			Cu lode claims, probably on lodes associated with Tertiary felsic plutons	U.S. Bur. Mines, 1973
115	R,9 T.20N.,R.10E.	P	Cu			Numerous Cu claims in general vicinity; probably on lodes associated with Tertiary felsic plutons	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	RESOURCE(S) CATEGORY	Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
116	R,9 T.20N.,R.10E.	P	Au	Disseminated	Placer	Placer Au claims	U.S. Bur. Mines, 1973
117	R,9 T.20N.,R.10E.	P	Au	Disseminated	Placer	"	"
118	R,9 T.20N.,R.11E.	p	Cu			Cu claims, probably in Talkeetna Formation	"
119	R,9 T.19N.,R.9E.	p	Au	Disseminated	Placer	Placer Au claims	"
120	R,9 T.19N.,R.9E.	p	Au	Disseminated	Placer	"	"
121	R,9 T.20N.,R.9E.	p	Au	Disseminated	Placer	"	"
122	R,9 T.20N.,R.9E.	p	Au	Disseminated	Placer	"	"
123	R,9 T.20N.,R.8E.	P	Au	Disseminated	Placer	Placer Au claims	"
124	Q,9 T.20N.,Rs.7,8E.	P	Au	Disseminated	Placer	"	"
125	Q,9 T.21N.,R.6E.	P	Au	Disseminated	Placer	"	"
126	Q,9 T.21N.,R.6E.	P	Au	Disseminated	Placer	"	"
127	Q,9 T.19N.,R.6E.	P	Au	Disseminated	Placer	"	"
128	Q,9 T.19N.,R.5E.	p	Cu(Au)			Cu claims, probably in upper Paleozoic metamorphic rocks	"
129	Q,9 T.20N.,R.5E.	p	Au			Lode Au claim, probably in or near Tertiary intrusive rocks	"
130	Q,9 T.20N.,R.5E.	p	Cu			Cu claims in or near Tertiary plutons	"
131	Q,9 T.21N.,R.5E.	P	Au	Disseminated	Placer	Placer Au claims	"
132	Q,9 T.21N.,R.5E.	P	Au	Disseminated	Placer	"	"
133	Q,9 T.19N.,R.4E.	P	Au	Disseminated	Placer	"	"
134	Q,9 T.19N.,R.3E.	p	Au	Disseminated	Placer	"	"
135	P,9 T.21N.,R.2E.	p	Cu(Au,Ag)			Lode claims in Upper Cretaceous - Lower Tertiary granitic rocks	"
136	P,9 T.20N.,R.2E.	p	U?			Uranium claims in an area of Upper Cretaceous - Lower Tertiary granitic rocks; probably on pegmatite dikes	"
137	P,9 Tps.18,19N.,R.1E.	M	Au	Disseminated	Placer	Placer Au claims	"
138	P,9 T.19N.,R.1E.	p	Au			Lode claims	"
139	P,9 T.20N.,Rs.1,2W.	M	Au	Disseminated	Placer	Placer Au claims	"
140	P,9 T.20N.,R.2W.	p	Au	Disseminated	Placer	"	"
141	P,9 T.20N.,R.2W.	P	Au	Vein	Hydrothermal	Lode claims in tonalite; on qz veins	"
142	P,9 T.19N.,R.1W.	M	Au	Disseminated	Placer	Placer Au claims	"
143	P,9 T.19N.,R.1W.	M	Talc (Soapstone)	Massive		Talc (soapstone) associated with serpentinite in a shear zone that cuts Upper Paleozoic metamorphic rocks	U.S. Geol. Survey, unpublished information
144	P,9 T.19N.,R.1W.	p	Au	Disseminated	Placer	Placer Au claims	U.S. Bur. Mines, 1973

BERING GLACIER QUADRANGLE
(latitude, 60°-61°; longitude, 141°-144°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Bearhole Creek	W,8 T.10S.,R.16E.	O	(Cu)	Disseminated, coating	Hydrothermal	py-bearing altered zones in metamorphosed Skolai Group (Pennsylvanian and Permian); sparsely distributed Cu minerals	Brabb and Miller, 1962
2	W,8 T.12S.,R.17E.	O	Au	Vein	Hydrothermal	Minor amounts of gold in qz veinlets within a felsic dike that cuts Valdez Group (Cretaceous)	Brabb and Miller, 1962
3 Kiagna River	W,8 Tps. 10, 11S., Rs. 17, 18E.	P	Au	Disseminated	Placer	Small amounts of fine Au from placers of Kiagna River	Moffit, 1918b, P. 77, 78
4 Natural Arch	W,8 T.16S.,R.17E.	O	Cu	Vein	Hydrothermal	ml, az, and native Cu in qz veins that cut Valdez Group	Brabb and Miller, 1962
5 White River	W,8 T.21S.,R.19E.	M	Au	Disseminated	Placer	Fine Au in bench and stream placers within a terrane of Tertiary sedimentary rocks	Maddren, 1914, P. 138-140
6 Yakataga Beach	W,8 Tps.21,22S., RS.17, 18, 19, 20E.	M	Au (Ag)	Disseminated	Placer	Auriferous beach sands distributed along the coast for about 18 miles; intermittently worked since 1898; formerly important producers	Maddren, 1914, p. 134-138; Thomas and Berryhill, 1962 P. 7, 16-17, 19-20
7	W,8 T.10S.,R.10E.	P	Au	Disseminated	Placer	Placer gold claims near mouth of Amy Creek	U.S. Bureau of Mines 1973

Note: Sites of recent exploration for placer gold near Icy Bay are not shown because their locations are poorly known.

BIG DELTA QUADRANGLE (Approximately southwestern third of quadrangle)
(latitude, 64°-65°; longitude, 144°-147°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Democrat	S,12 T.7S.,R.7E.	p	Au	Vein, disseminated	Hydrothermal	Mainly qz veins in rhyolite porphyry in a region dominated by gneissic rocks of early Paleozoic and older age	Brooks, 1923, p. 33; Saunders, 1965, pl. II
2 Democrat Creek	S,12 T.7S.,R.7E.	M	Au(Ag)	Disseminated	Placer	Mainly residual placers that were mined by open-pit methods	Saunders, 1965, p. 2, 4
3 Buckeye Creek Hinkley Gulch, Moore Creek	S,12 T.7S.,R.7E.	M	Au(Ag)	Disseminated	Placer	Placer Au deposits in a region of rhyolite porphyry and gneiss	Saunders, 1965, p. 2, 4; Smith, 1930, p. 26
4 Banner Creek	S,12 T.7S.,R.7E.	M	Au(Ag)	Disseminated	Placer	Placer Au deposits overlying rhyolite porphyry bedrock	Saunders, 1965, p. 2, 4
5 Tenderfoot Creek	S,12 T.7S.,R.8E.	M	Au(Ag)	Disseminated	Placer	Largest producer in Richardson placer district with production valued at about one million dollars (at $20.67 per ounce); worked mainly by "drift" mines; bedrock Birch Creek schist and gneiss	Saunders, 1965, p. 2, 4
6	S,12 T.3S.,R.4E.	p	Au?			Lode claim; probably on qz veins in granitic rocks	U.S. Bur. Mines, 1973
7	S,12 T.5S.,R.6E.	p	Au	Vein?	Hydrothermal?	Probably qz veins in Birch Creek schist	"
8	S,12 Tps.6,7S.,R.6E.	M	Au	Disseminated	Placer	Placer Au claims	"
9	S,12 T.6S.,R.7E.	p	Au	Disseminated	Placer	"	"
10	S,12 T.7S.,R.7E.	P	Au	Disseminated	Placer	"	"
11	S,12 T.7S.,R.7E.	P	Au	Vein?	Hydrothermal?	Lode claims for gold in general vicinity; probably on qz veins in Birch Creek schist terrane	"
12	S,12 T.7S.,Rs.7,8E.	M	Au	Disseminated	Placer	Placer Au claims	"
13	T,12 T.9S.,R.10E.	p	Au	Disseminated	Placer	"	"
14	T,12 Tps.9,10S.,R.10E.	P	Au	Disseminated	Placer	Placer Au claims	"

BLYING SOUND QUADRANGLE
(latitude, 59°-60°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Reynolds-Alaska Development Co.	P,7 T.2S.,R.1E.	p	Cu	Disseminated	Hydrothermal, submarine volcanogenic	cp localized in shear zone cutting greenstone of the Valdez Group (Cretaceous)	Martin, Johnson, and Grant, 1915, p. 234
2 Featherbed	P,7 T.2S.,R.1E.	p	Cu	Vein, disseminated?	Hydrothermal, submarine volcanogenic	cp-rich stringers in shear zone in Valdez Group greenstone	Martin, Johnson, and Grant, 1915, p. 234-235
3 Peterson	P,7 T.2S.,R.1E.	p	Cu(Zn)	Breccia filling	Hydrothermal, submarine volcanogenic	Breccia zone about 1.5 m wide in diabasic Valdez greenstone that is cemented by qz, calc, sl, cp, py, and epid	Martin, Johnson, and Grant, 1915, p. 235
4 Iron Mask	P,7 T.3S.,R.1E.	p	Cu(Zn)	Breccia filling	Hydrothermal, submarine volcanogenic	Breccia zone 3.5 m wide in tuffaceous Valdez Group greenstone; cemented by qz, py, calc, cp, and sl	Martin, Johnson, and Grant, 1915, p. 235
5 Fairview	P,7 T.3S.,R.1E.	p	Cu	Massive, breccia filling	Hydrothermal, submarine volcanogenic	Breccia zone as much as 3 m thick in Valdez Group greenstone; cemented by qz, py, cp, and ms	Martin, Johnson, and Grant, 1915, p. 235-236
6 Lietzke	P,7 T.3S.,R.1E.	p	Cu	Breccia filling	Hydrothermal, submarine volcanogenic	Breccia zone in Valdez Group diabase cemented by qz, py, and a little cp	Martin, Johnson, and Grant, 1915, p. 236
7 Seattle-Alaska Copper Co.	R,7 T.2S.,R.8E.	M	Cu(Au,Zn)	Disseminated	Submarine volcanogenic, hydrothermal	Shear zones in Orca Group (Lower Tertiary) graywacke that are generally less than 2 m wide; contain cp, po, and a little sl and Au in a qz gangue	Johnson, 1918, p. 209-210; Moffit and Fellows, 1950, p. 67
8	P,7 T.6S.,R.3W.	0	Au	Vein	Hydrothermal	Thin qz vein that cuts Tertiary granite and contains a little Au	R. G. Tysdal, written communication, 1977
9 Harris Bay Mining Co.	P,7 T.5S.,R.3W.	P	Au	Vein	Hydrothermal	Probably on thin qz veins that cut Tertiary granite	
10	P,7 T.5S.,R.4W.	0	Au	Disseminated	Hydrothermal	Minor amounts of Au in Tertiary granite dike that cuts Valdez Group (Cretaceous) slate and graywacke	
11	P,7 T.4S.,R.3W.	0	Au	Disseminated	Hydrothermal	Minor to trace amounts of Au in a Tertiary granitic dike	
12 LaTouche Consolidated Copper Co.	Q,7 T.3S.,R.8E.	p	Cu		Submarine volcanogenic?	No geologic data available; probably in shear zones in Orca Group	
13 Whale, Alpha	Q-E,7 T.2S.,R.8E.	p	Cu	Disseminated, Vein	Submarine volcanogenic, hydrothermal	Fracture zone in Orca Group slate and graywacke that contains stringers and disseminations of cp	

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Jack Bay	S,8 T.10S.,R.7W.	p	Au	Vein	Hydrothermal	Short, narrow qz vein in Valdez Group (Cretaceous) graywacke; contains aspy and po	Johnson, 1919[b], p. 173
2 Alaska Commercial Co. (Bligh Island)	S,8 T.11S.,R.9W.	M	Au	Pod, vein	Hydrothermal	Au-bearing qz pod in Orca Group (Paleocene); minor production	Capps and Johnson, 1915, p. 112
3 Cloudman Bay	S,8 T.12S.,R.9W.	p	Au (Cu, Zn)	Stockwork, vein	Hydrothermal	Stockwork of qz veins in Orca Group slate; contains Au, cp, py, and sb	Capps and Johnson, 1915, p. 112
4 Ellamar	S,8 T.11S.,R.8W.	M	Cu (Au, Ag, Pb, Zn)	Lenticular, massive	Submarine volcanogenic	Sulfide-rich lenses in Orca Group graywacke and slate near submarine basalt; a former major mine with production of about 100 million pounds of Cu and some byproduct Au; the ore consists of cp, cub, po, py, sl, and gn	Capps and Johnson, 1915, p. 87-92; Moffit and Fellows, 1950, p. 55-56
5 McNaughton and Turner	S,8 T.11S.,R.8W.	p	Cu (Zn)	Massive	Submarine volcanogenic	Sulfide-bearing masses in Orca Group basalt	Johnson, 1912-1917, field notes
6 Rua, Wagner, Fisher and Hemple, Reynolds Alaska Development Co.	S,8 T.11S.,R.8W.	p,M	Cu (Ag, Zn)	Massive, disseminated	Submarine volcanogenic	Sulfide-rich lenses and disseminations in Orca Group sedimentary and volcanic rocks; comprise cp and associated sulfides, mainly po; the Reynolds had minor production; the others are prospects	Moffit and Fellows, 1950, p. 54-55; Johnson, 1912-1917, field notes; Capps and Johnson, 1915, p. 98
7 Mogul (Banta and Cameron), Galena Bay Mining Co.	S,8 T.11S.,R.8W.	p	Cu (Au, Zn)	Massive, vein, disseminated	Submarine volcanogenic	Stringers, local lenses and disseminations, mainly in sheared Orca Group greenstone (basalt), that carry cp, py, po, sl, and minor Au	Capps and Johnson, 1915, p. 98-102; Moffit and Fellows, 1950, p. 53-54
8 Tibbits, Steinmetz, Falck, Reynolds Alaska Development Co.	S,8 T.11S.,Rs.7,8W.	p	Cu (Zn)	Massive, veinlet, disseminated	Submarine volcanogenic	Sulfide minerals, including po, cp, and sl associated with qz, calc, and traces of native Cu in shear zones that cut Orca Group, mainly greenstone	Johnson, 1912-1917, Field notes, Capps and Johnson, 1915, p. 102-104
9 Montezuma, Standard Copper Mines Co.	S,8 T.12S.,R.8W.	p,M	Cu (Au, Ag, Zn, Pb)	Massive, veinlet, disseminated	Submarine volcanogenic	Mineralized shear zones in Orca Group, chiefly greenstone (basalt); the deposits consist of po, cp, sl, cub, and aspy	Capps and Johnson, 1915, p. 92-96, 102-108, 110-111; Michelich and Wells 1957, p. 6
10 Alaska Commercial Co., Hemple Copper Co., Steinmetz, Threeman Mining Co.	S,8 T.12S.,R.7W.	p,M	Cu (Au, Ag, Pb, Zn)	Massive, veinlet, disseminated	Submarine volcanogenic	Mineralized shear zones in Orca Group, chiefly greenstone (basalt); the deposits consist of po, cp, sl, cub, and aspy	Capps and Johnson, 1915, p. 92-96 106-108, 110-111; Michelich and Wells 1957, p. 6
11 Hoodoo, Landlock Bay Copper Mining Co., Chisna Consolidated Mining Co., Threeman Mining Co.	S,8 T.12S.,Rs.7,8W.	p,M	Cu (Au, Ag, Pb, Zn)	Massive, coating	Submarine volcanogenic	Mainly in shear zones in Orca Group volcanics; the depoaits contain po, cp, py, sl, gn and minor amounts of cub and native Cu	Capps and Johnson, 1915, p. 96-97, 109, 111-112; Mihelich and Wells, 1957, p. 17-19
12 Banzer	S,8 T.12S., R.7W.	p	Au (Cu, Pb, Zn)	Vein	Hydrothermal, submarine volcanogenic?	Stringers and pods of qz in Orca Group slate and graywacke that contain Au, cp, po, py, gn, sl	Capps and Johnson, 1915, p. 112
13 Billy Goat Mountain	S,8 T.12S.,R.7W.	p	Cu	Massive, vein	Submarine volcanogenic	Mineralized shear zone in Orca Group basalt; sporadically distributed po and cp	Capps and Johnson, 1915, p. 109-110
14 Fidalgo-Alaska Copper Co. (Schlosser), Dickey Copper Co. (Mason and Gleason)	S,8 T.13S.,R.7W.	M	Cu (Au, Zn)	Massive, disseminated, vein	Submarine volcanogenic	In sheared Orca Group slate, graywacke, argillite, and minor limestone, the deposits are locally Au-bearing and contain py and cp and subordinate po and sl; the Fidalgo-Alaska produced about 16,000 tons of ore that averaged about 10 percent Cu; the Dickey had minor production	Capps and Johnson, 1915, p. 117-122; Moffit and Fellows 1950, p. 60-62

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
15 Fidalgo Mining Co. (Blakney)	S,8 T.12S.,R.6W.	M	Cu (Au)	Massive, disseminated	Submarine volcanogenic	Massive and disseminated sulfides, chiefly py, with some cp and po, in shear zone that cuts Orca Group, mainly greenstone (basalt)	Capps and Johnson, 1915, p. 113-117; Moffit and Fellows 1950, p. 61-62
16 Whalen and Nelson	S,8 T.12S.,R.5W.	p	Cu	Disseminated, vein	Submarine volcanogenic	po and cp in Orca Group slate	Grant and Higgins, 1910, p. 62-63
17 Cordova Copper Co. (Fleming Spit)	T,8 T.15S.,R.3W.	p	Cu	Disseminated	Submarine volcanogenic	cp, bn, cc, native Cu cup, and ml in amygdaloidal Orca Group basalt	Grant and Higgins, 1910, p. 54, 70
18 Wilson Point	T,8 T.14S.,R.3W.	p	Au (Ag)	Vein	Hydrothermal	In Orca Group sedimentary rocks	Schrader, 1900, p. 421
19 Cordova-Tacoma Copper Co. (Head of the Bay)	T,8 T.14S.,R.2W.	p	Cu	Disseminated?	Hydrothermal?, submarine volcanogenic?	In Orca Group slate near Tertiary granite	Grant and Higgins, 1910, p. 70
20 Ibach (Ibeck)	T,8 T.14S.,R.1W.	p	Cu	Vein	Submarine volcanogenic?	Native Cu-bearing veins in Orca Group	Grant and Higgins, 1910, p. 70
21 Bear Creek Mining Co.	T,8 T.16S.,R.1E.	p	Au	Vein	Hydrothermal	qz veins that contain py, aspy, and some Au that generally parallel bedding in enclosing Orca Group slate and graywacke	Chapin, 1913, p. 79-80
22 Lucky Strike Mining Co., McKinley Lake Mining Co.	T,8 T.16S.,R.1E.	M	Au	Vein	Hydrothermal	Au-bearing qz veins that contain py and aspy; generally parallel to bedding of host Orca Group slate and graywacke	Chapin, 1913, p. 79
23 Standard Mines Co.	U,8 Tps.10,11S.,R.6E.	p	Au (Pb, Cu)	Vein	Hydrothermal	qz veins in Valdez Group shist; contain minor amounts of gn, cp, and Au	Moffit, 1914, p. 51
24 Threemile Canyon	U,8 T.10S.,R.7E.	M	Au	Disseminated	Placer	Au-bearing gravels, mainly in benches, in Valdez Group terrane	Moffit, 1914, p. 47-48
25	S,8 T.17S.,R.8W.	p	Cu	Disseminated?, coating	Submarine volcanogenic	Old Cu prospect on weakly mineralized shear zone in Orca Group volcanics	Winkler, 1973
26	U,8 T.21S.,R.6E.	p	Au	Vein?	Hydrothermal?	Lode Au prospect in Orca Group	U.S. Bureau of Mines, 1973
27	U,8 T.19S.,R.5E.	p	Au	Disseminated	Placer	Placer Au claims	U.S. Bureau of Mines, 1973
28	T,8 T.16S.,R.4W.	p	Au	Disseminated	Placer	Placer Au claims	U.S. Bureau of Mines, 1973

FAIRBANKS QUADRANGLE (Approximate southern half)
(latitude, 64°-65°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Rambler	Q,12 T.10S.,R.7W.	p	Sb	Pods, vein	Hydrothermal	sb-bearing lode in Paleozoic or older schist	Joesting, 1942, p. 12
2 Spruce Creek	Q,12 Tps.9,10S.,R.7W.	p	Au,Ag(Sb)	Vein	Hydrothermal	Thin Au-bearing veins in schist that generally contain jamesonite, scorodite, and aspy	Joesting, 1943, p. 14
3 Moose Creek	Q,12 T.10S.,R.7W.	p	Au	Disseminated	Metamorphic?, hydrothermal?	aspy and py in oxidized schist; minor Au	Overbeck, 1918, p. 360
4 Liberty Bell (Eva Creek)	Q,12 T.10S.,R.7W.	M	Au(Ag,Bi)	Disseminated	Metamorphic?, replacement, hydrothermal?	Au associated with asp, and lesser amounts of py, cp, and bismuthinite in lower Paleozoic or older schist; near a porphyritic granitic pluton; minor production	Moffit, 1933a, p. 340-345
5 California Creek	Q,12 T.10S.,R.6W.	M	Ag(Au,Cu,Bi)	Vein	Hydrothermal	Small Ag-rich sulfosalt-bearing veins that cut Paleozoic or older schist	Joesting, 1943, p. 13-14
6 Caribou Creek	Q,12 T.10S.,R.6W.	p	Sb	Vein	Hydrothermal	sb-bearing vein in Paleozoic or older schist	Joesting, 1942, p. 12
7 Eagle Creek	Q,12 T.10S.,R.6W.	p	Sb	Vein	Hydrothermal	sb-bearing veins in Paleozoic or older schist	Joesting, 1943, p. 13
8 Moose Creek	Q,12 T.10S.,R.7W.	M	Au	Disseminated	Placer	Stream and bench placers in an old schist terrane that contains some intrusive rocks; minor to trace amounts of Pt, cinnabar, sch, and cassiterite in the placer concentrates	Maddren, 1918, p. 365-368; Joesting, 1942, p. 20, 27, 34, 39
9 Little Creek	Q,12 T.10S.,R.7W.	M	Au	Disseminated	Placer	Similar to Moose Creek (8)	Maddren, 1918, p. 365-368
10 Rex Creek	Q,12 T.9S.,R.7W.	M	Au	Disseminated	Placer	Au placers in basal stream gravels; mainly in a terrane of Paleozoic and older schist	Maddren, 1918, p. 381-383
11 Eva Creek	Q,12 T.10S.,R.6W.	M	Au	Disseminated	Placer	Stream placers in a region of old schist and Tertiary continental sedimentary rocks	Maddren, 1918, p. 384-386
12 California Creek	Q,12 T.10S.,R.6W.	M	Au	Disseminated	Placer	Stream placers in a region of Paleozoic and older schist	Maddren, 1918, p. 380
13 California Creek	Q,12 T.10S.,R.6W.	M	Au	Disseminated	Placer	Stream placers in a region dominated by old schist	Maddren, 1918, p. 380, Capps, 1912, p. 46
14 McAdam Creek	Q,12 T.10S.,R.6W.	M	Au	Disseminated	Placer	Stream placers in an area of Tertiary continental sedimentary rocks and Paleozoic and older schist	Moffit, 1933a, p. 345
15	Q,12 T.9S.,R.5W.	P	Au	Disseminated	Placer	Sparsely distributed placer Au in flood plain gravels and stream placers	Maddren, 1918, p. 388
16 Totatlanika Creek	Q,12 T.10S.,R.5W.	M	Au	Disseminated	Placer	Mainly stream placers in a region of Paleozoic and older schist and Tertiary subaerial sedimentary rocks; the schist contains quartz veins and is cut by felsic dikes	Maddren, 1918, p. 391-394

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
17 Daniels Creek	Q,12 T.9S.,R.5W.	M	Au	Disseminated	Placer	Au-bearing stream placers mainly in an old schist terrane	Maddren, 1918, p. 388-391
18 July Creek	Q,12 T.10S.,R.5W.	M	Au	Disseminated	Placer	Stream placers in a region of old schist that is cut by felsic dikes	Maddren, 1918, p. 393-394
19 Homestake Creek	Q,12 T.10S.,R.5W.	M	Au	Disseminated	Placer	Stream placers in a terrane of old schist and hypabyssal rocks	Maddren, 1918, p. 395-397
20 Hearst Creek	Q,12 Tps.9,10S.,R.3W.	M	Au	Disseminated	Placer	Stream placers in an area of Tertiary subaerial sedimentary rocks	Maddren, 1918, p. 399, 400; Capps, 1912, p. 49
21 Roosevelt Creek	Q,12 T.10S.,R.3W.	M	Au	Disseminated	Placer	Au placers in a stream that cut Tertiary continental sedimentary rocks	Maddren, 1918, p. 399-400; Capps, 1912, p. 48-49
22 Grubstake Creek	Q,12 T.10S.,R.3W.	M	Au	Disseminated	Placer	Stream placers, probably reworked from Tertiary sedimentary rocks	Maddren, 1918, p. 399-400; Capps, 1912, p. 48
23 Gold King Creek	Q,12 T.9S.,R.2W.	M	Au	Disseminated	Placer	Stream and bench placers in a region of Tertiary gravels	Capps, 1912, p. 49-51; Maddren, 1918, p. 400-401
24 Gold King Creek	Q,12 T.10S.,R.2W.	M	Au	Disseminated	Placer	Similar to above (23)	"
25 Gold King Creek	Q,12 T.10S.,R.2W.	M	Au	Disseminated	Placer	Mainly stream placers in an area characterized by Tertiary sedimentary rocks	"
26 Bonnifield Creek	R,12 T.10S.,R.2W.	M	Au	Disseminated	Placer	Au placers in a terrane of Tertiary continental sedimentary rocks	Smith, 1937, p. 46
27 Caribou Creek	R,12 T.10S.,R.2E.	M	Au	Disseminated	Placer	Stream placers in an area of Tertiary sedimentary rocks and lower Paleozoic and older schist	Capps, 1912, p. 52
28	P,12 Tps.8,9S.,R.9W.	P	Au	Disseminated	Placer	Placers in a stream that cuts Tertiary sedimentary rocks	U.S. Bur. Mines, 1973
29	P,12 T.9S.,R.9W.	P	Au	Disseminated	Placer	Placer Au claim	"
30	P,12 T.5S.,R.8W.	P	Au	Disseminated	Placer	Placer Au claim	"
31	P,12 T.10S.,R.8W.	M	Au	Disseminated	Placer	Stream placers	"
32	Q,12 T.10S.,R.7W.	P	Cu,Ag(Zn)	Disseminated?, massive?	Submarine volcanogenic?	Lode claims in Paleozoic metamorphic, mainly metavolcanic rocks	"
33	Q,12 T.10S.,R.7W.	P	"	"	"	"	"
34	Q,12 T.10S.,R.7W.	P	Cu,Ag(Zn)	Disseminated?, massive?	Submarine volcanogenic	Numerous lode claims in vicinity; probably on submarine volcanogenic deposits in Paleozoic schist	"
35	Q,12 T.10S.,Rs.5,6W.	P	Cu,Ag(Zn,Au)	"	"	"	"
36	Q,12 T.9S.,Rs.5,6W.	P	Au	Disseminated	Placer	Many placer Au claims that cover a large area; largely on flood plain gravels	"
37	Q,12 Tps.4,5S.,R.6W.	P	Au	Disseminated	Placer	Placer Au claims	
38	Q,12 Tps.9,10S.,Rs.3,4W.	P	Au			Lode gold claims that cover an extensive area of Tertiary sedimentary rocks	"

FAIRBANKS QUADRANGLE (Approximate southern half) (Continued)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
39	Q,12 T.10S.,R.3W.	M	Au	Disseminated	Placer	Old placer Au workings	U.S. Bur. Mines, 1973
40	R,12 T.9S.,R.2W.	M	Au	Disseminated	Placer	Old placer Au operation	"
41	R,12 T.10S.,R.2E.	P	Au	Disseminated	Placer	Placer Au claims	"
42	R,12 T.10S.,R.2E.	P	Cu(Ag,Au,Zn)	Disseminated, massive?	Submarine volcanogenic?	Claims in Paleozoic rocks, mainly metavolcanics	"
43	R,12 T.10S.,R.2E.	P	Au	Disseminated	Placer	Placer Au claims	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Meier Lake	T,10 T.12N.,R.2W.	O	(Cu,Fe)	Pods, disseminated	?	Traces of cp in small, irregular pods of mgt; in upper Paleozoic greenschist and associated sheared Mesozoic diorite	Rose and Saunders, 1965, p. 13
2	T,10 Tps.10,11N.,R.1W.	O	(Cu)	Fracture coating	Hydrothermal, porphyry?	py and traces of cp along fractures in granodiorite (Mesozoic?)	Rose and Saunders, 1965, p. 14
3 Hogan Hill	T,10 T.10N.,R.1W.	P	(Cu,Au)	Vein	Hydrothermal, metamorphic?	Small qz veins that contain minor cp; in upper Paleozoic amphibolite	Rose and Saunders, 1965, p. 14
4 Indian Creek West Fork (Burns)	U,10 Tps.12,13N.,R.6E.	P	Ag,Pb(Cu)	Vein	Hydrothermal	qz vein, 0.5 to 2.5 m thick, that cuts Ahtell pluton (upper Paleozoic); the vein contains argentiferous gn and minor cp and td	Thorne, 1946, p. 5-6; Smith, 1932, p. 124
5 Indian	U,10 T.12N.,R.6E.	P	Ag,Pb(Cu)	Vein	Hydrothermal	qz veins, generally less than 1 m thick, that cut a quartz monzonite phase of the Ahtell pluton (upper Paleozoic); the veins carry argentiferous gn and minor cp, td, and secondary Cu minerals	Richter, 1966, p. 29-30; Thorne, 1946, p. 3-5
6	U,10 T.12N.,R.7E.	P	Cu,Mo(Ag,Pb)	Vein, veinlet, disseminated	Hydrothermal, porphyry	Two modes of occurrence in border phase of Ahtell pluton: (1) large altered zone that contains py and minor mo in veinlets and disseminations, (2) qz veins with minor cp and its alteration products	Richter, 1966, p. 31
7 The Dome	U,10 T.12N.,R.7E.	P	Cu(Pb,Ag)	Vein, disseminated	Stockwork, metamorphic?	Stockwork of qz-calc veins, less than 0.5 m thick, that carry subordinate gn and cp; in siliceous border phase of Ahtell pluton; also disseminated py and minor cp in nearby hornfels	Richter, 1966, p. 31
8 Ahtell Creek, West Fork (Neversweat)	U,10 T.12N.,R.7E.	P	Pb(Cu)	Vein	Hydrothermal	Thin qz veins in shear zones in quartz monzonite of Ahtell pluton; contain gn and minor cp	Richter, 1966, p. 30-31; Thorne, 1946, p. 6-7
	U,10 T.13N.,R.7E.	P	Cu	Vein?	Hydrothermal?	Probably Cu-bearing veins in Ahtell pluton	Richter and Matson, 1972
10 Judy	U,10 T.14N.,R.7E.	P	Cu(Au)	Vein?	Hydrothermal?	Probably Cu-bearing veins in Ahtell pluton	Richter and Matson, 1972
11 Silver Creek	U,10 T.11N.,R.7E.	P	Ag(Cu,Pb,Zn)	Vein	Hydrothermal	Mineralized qz-carbonate veins in a fault zone, at least 30 m wide, that separates dioritic rocks of Ahtell pluton from upper Paleozoic volcanic and sedimentary rocks; vein minerals include gn, cp, td, sl, and py.	Richter, 1966, p. 32-33; Thorne, 1946, p. 7-8
12 Gold Quartz	U,10 T.11N.,R.7E.	P	Au(Ag,Cu,Pb,Zn)	Vein	Hydrothermal	qz-carbonate vein that cuts upper Paleozoic volcanic rocks; the vein carries sl, Au, gn, cp, and py	Richter, 1966, p. 33
13 Silver Shield	U,10 T.11N.,R.7E.	P	Ag(Pb,Cu)	Vein, pods	Hydrothermal	qz veins and pods that contain gn, td, and some barite and cerussite and are localized in a shear zone that cuts upper Paleozoic volcanic rocks	Richter, 1966, p. 32

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
14	U,10 T.11N.,R.7E.	P	Ag(Pb,Cu)	Vein	Hydrothermal	Swarm of short, thin qz veins in border phase of Ahtell pluton; the veins contain gn and lesser amounts of td and cp	Richter, 1966, p. 32
15 Lyons	U,10 T.12N.,R.7E.	P	Cu	Vein, disseminated	Hydrothermal, metamorphic?	py and minor cp in disseminations and thin qz veins in upper Paleozoic hornfels	Richter, 1966, p. 31
16 Grubstake Creek	U,10 T.12N.,R.7E.	M	Au(Ag,Cu)	Disseminated	Placer	Placer deposits in a stream within an area of upper Paleozoic volcanic and intrusive (Ahtell pluton) rocks; some native Cu	Richter, 1966, p. 33-34; Moffit, 1938, p. 48-50
17 Slope Creek	U,10 T.12N.,R.7E.	M	Au(Ag,Cu,Bi,U)	Disseminated	Placer	Placer deposits that contain Au, Ag, native Cu and a Bi mineral; U lode claim in vicinity	Richter, 1966, p. 34; U.S. Bur. Mines, 1973
18 Granite Creek	U,10 T.13N.,R.7E.	P	Au	Disseminated	Placer		Moffit, 1938, p. 51
19 Hidden Creek	U,10 T.11N.,R.7E.	P	Au	Disseminated	Placer		Moffit, 1938, p. 51
20 Ahtell Creek	U,10 T.11N.,R.7E.	P	Au	Disseminated	Placer		Moffit, 1938, p. 51
21 Boulder Creek	U,10 T.12N.,R.7E.	P	Au	Disseminated	Placer		Moffit, 1938, p. 50-51
22	U,10 T.14N.,R.5E.	P	Au	Disseminated	Placer	Placer gold claim	U.S. Bur. Mines, 1973
23	U,10 T.14N.,R.5E.	P	Au	Disseminated	Placer	Placer gold claim	"
24	U,10 Tps.13,14N.,R.7E.	P	Cu(Ag)	Vein?	Hydrothermal?	Probably Cu-bearing qz veins in Ahtell pluton	"
25	U,10 T.13N.,R.7E.	P	Cu(Ag)	Vein?	Hydrothermal?	Probably Cu-bearing qz veins in Ahtell pluton	"
26	U,10 T.12N.,R.6E.	P	Ag,barite(Pb)	Vein?	Hydrothermal?	Probably barite-rich veins associated with Ahtell pluton	"
27	U,10 T.11N.,R.7E.	P	Au(Zn,Cu)	Vein	Hydrothermal	Au-bearing qz veins and anomalous amounts of Zn and Cu in geochemical samples; in an area of Ahtell pluton and upper Paleozoic volcanic rocks	U.S. Bur. Mines, 1973; Richter, 1966, p. 48
28	U,10 T.11N.,R.5E.	P	Cu?Au?			Lode claims, probably for Cu and Au	U.S. Bur. Mines, 1973
29	U,10 T.3N.,R.3E.	P	Pt?		Placer	Placer claim for platinum; platinum occurrence of doubtful validity	"
30	T,10 T.14N.,R.12E.	P	Au	Disseminated	Placer	Placer Au claims	"
31	T,10 T.14N.,R.12E.	P	Au	Disseminated	Placer	Placer Au claims	"
32	S,10 T.3N.,R.8W.	P	Au	Disseminated	Placer	Placer Au claim	"
33	S,10 T.3N.,R.7W.	P	Au	Disseminated	Placer	Placer Au claim	"
34	S,10 T.4N.,R.5W.	P	Au			Lode Au claims; in Tertiary sedimentary rocks	"
35	S,10 T.13N.,R.8W.	P	Au	Disseminated	Placer	Placer Au claims	"

HEALY QUADRANGLE
(latitude, 63°-64°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 McCall	P,10 T.14S.,R.11W.	p	Pb,Ag	Vein	Hydrothermal	Argentiferous gn in veins in Paleozoic metamorphic rock	Berg and Cobb, 1967, p. 230
2 Rock Creek	R,11 T.12S.,R.1W.	p	Sb(Au)	Vein	Hydrothermal	Veins in Totatlanika Schist (Paleozoic)	Joesting, 1943, p. 13; Capps, 1912 pl. 2
3 Kansas Creek	R,11 T.12S.,R.1W.	p	Au	Disseminated	Hydrothermal; submarine volcanogenic?	Disseminated py with minor Au in dark quartzite with Totatlanika Schist	Capps, 1912, p. 54
4 Chute Creek	R,11 T.11S.,R.1W.	M	Au	Disseminated	Submarine volcanogenic	Pyritized metarhyolite within Totatlanika Schist; contains some Au	Capps, 1912, p. 53
5 Ridge Claim	R,11 T.12S.,R.1E.	p	Sb(Au)	Vein	Hydrothermal	qz veins and lenses that contain sb; in Paleozoic(?) schist	Ebbley and Wright, 1948, p. 36-37
6 Glory Creek	R,11 T.12S.,R.1E.	p	Sb(Au)	Vein	Hydrothermal	sb-bearing qz veins and lenses in Paleozoic(?) schist	Joesting, 1943, p. 13
7 Cantwell Creek	Q,11 Tps.17,18S.,R.7W.	p	Mn	Vein?	Hydrothermal	Rhodochrosite and other Mn minerals, mainly in slate and argillite near a granitic pluton	Berg and Cobb, 1967, p. 203
8	Q,11 T.17S.,R.7W.	O	Cu(Ni)			Occurrence in Paleozoic metamorphic rocks	Clark and Cobb, 1972
9	Q,11 T.17S.,R.6W.	O	Cu(Mo,Ag)		Porphyry(?)	Occurrence in Tertiary granitic rocks	Clark and Cobb, 1972
10	Q,11 T.17S.,R.6W.	O	Au	Vein?	Hydrothermal?	Occurrence in Paleozoic metamorphic rocks	Clark and Cobb, 1972
11	Q,11 T.17S.,R.7W.	O	Cu(Mo)			Occurrence, probably in Paleozoic metamorphic rocks	Clark and Cobb, 1972
12	P,11 T.22S.,R.13W.	O	Ni,Cu(Cr)	Disseminated and vein	Magmatic, hydrothermal	Sulfide-bearing serpentinite; local qz veins; analyses show as much as 15,000 ppm Ni, 7.5 percent Cu, and 2,000 ppm Cr	Hawley and Clark, 1974, p. 845-846, pl. 1
13 Partin Creek	P,11 T.21S.,R.13W.	O	Cu,Au(Ag,Sb)	Disseminated, vein, veinlet	Submarine volcanogenic, hydrothermal	Mineralized zone about 3,000 by 1,000 m in area in Triassic(?) limestone and pillow basalt and an Au-bearing aspy-qz vein; the mineralized zone contains py, aspy, po, and cp; samples from it contain as much as 7,000 ppm Cu and 300 ppm Ag; vein samples carry as much as 63 ppm Au and 7,000 ppm Sb	Hawley and Clark, 1974, p. 845-846
14	P,11 Tps. 21,22S.,R.12W.	O	Ni(Cr)	Disseminated	Magmatic	Several Ni and Cr occurrences in serpentinite	Hawley and Clark, 1974, pl. 1
15	P,11 T.21S.,R.12W.	O	Ni(Cr)	Disseminated	Magmatic	Disseminated chromite and Ni-bearing sulfides in ophiolitic rocks	Hawley and Clark, 1974, pl. 1
16	P,11 T.21S.,R.12W.	O	Ni,Cu(Cr)	Disseminated	Magmatic	py, cp, Ni and Cr associated with ophiolite sequence	Hawley and Clark, 1974, p. 845-846
17 Ohio Creek	P,11 T.20S.,R.12W.	O	Sn(Ag,As,Cu,Zn)	Disseminated, vein	Hydrothermal	Sn-bearing greisen associated with Tertiary granite stock; locally contains greater than 1,000 ppm Sn and some Ag, As, Cu, and Zn	Hawley and Clark, 1974, P. 845-846
18 Canyon Creek	P,11 T.20S.,R.12W.	D	Sn(Ag,As,Cu,Sb)	Vein, disseminated	Hydrothermal	Sulfide-bearing aspy-qz veins and disseminations in Triassic(?) limestone, basalt, and hornfels	Hawley and Clark, 1974, p. 844-845

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
19 Ready Cash	P,11 T.20S.,R.12W.	p	Cu,Pb(Ag,Sn,Zn)	Vein	Hydrothermal	Sulfide-bearing qz veins in Triassic(?) basalt; the veins contain aspy, py, po, gn, cp, and sl	Hawley and Clark, 1974, p. B44-B45; Ross, 1933a, p. 318-319
20	P,11 T.20S.,R.12W.	0	Cu(Sb)	Vein, disseminated	Hydrothermal, contact metamorphic	Sulfides, mainly cp, in Triassic(?) basalt, limestone, and hornfels, near a Tertiary dioritic pluton	Hawley and Clark, 1974, p. B45
21	P,11 Tps.20,21S.,R.12W.	0	Cr, Ni	Disseminated, massive	Magmatic	Chromite in serpentinite; several occurrences in vicinity	Hawley and Clark, 1974, pl. 1
22	P,11 T.20S.,R.11W.	0	Ni(Cr)	Disseminated	Magmatic	Occurrences of Ni and Cr minerals in serpentnite	Hawley and Clark, 1974, pl.1
23	P,11 T.20S.,R.11W.	0	Ni,Cu(Cr,Au,Pt)	Disseminated	Magmatic	Occurrences in serpentinite that contain cp, Ni, Cr, and traces of Au and Pt group elements	Hawley and Clark, 1974, p. B45, pl. 1; Hawley and others, 1969, p. 4-6
24	P,11 T.20S.,R.11W.	p	Ag,Cu,Zn(Au,As, Pb, Bi,Sn)	Vein, disseminated	Hydrothermal	Polymetallic veins and disseminations in metamorphic rocks near a Tertiary quartz porphyry	Hawley and Clark, 1974, p. B41-B44
25	P,11 T.20S.,R.11W.	0	Ni(Cr)	Disseminated	Magmatic	Several Ni-Cr occurrences in serpentinite in general vicinity	Hawley and Clark, 1974, pl. 1
26 Blind Creek	P,11 T.20S.,R.11W.	0	Au(Ag)	Disseminated, breccia	Hydrothermal	qz-cemented breccia zone about 60 m wide that contains minor to trace amounts of Au and Ag	Hawley and Clark, 1963, p. 9
27 Copper King	P,11 T.20S.,R.11W.	p	Cu(Au,Ag,Mo)	Massive,	Contact metamorphic, hydrothermal	Lenses of cp and po in hornfels near a Tertiary quartz porphyry plug; mo-bearing veinlets in the quartz porphyry	Hawley and Clark, 1974, p. B44
28 Lindfors	P,11 T.20S.,R.11W.	p	Au(Ag,As,Pb,Sb, Zn)	Vein	Hydrothermal	Poorly exposed aspy-rich qz veins in Triassic conglomerate, near a Tertiary quartz diorite porphyry dike; the veins carry Au, aspy, py, cp, and probably sulfosalts	Hawley and Clark, 1974, p. B35-B39; Ross 1933a, p. 321
29 Golden Zone, Mayflower, Little Vein, East Vein	P,11 Tps.19,20S.,R.11W.	M,p	Au,Cu,Ag(Pb,Zn, As,Sb)	Breccia pipe, vein	Hydrothermal	The Golden Zone is in a breccia pipe, about 60 m in diameter, within a small pluton of Tertiary quartz diorite porphyry; it has produced about 1,581 ounces of gold, 8,617 ounces of silver, 21 tons of copper, and a little lead from ore that comprises aspy, py, sl, cp, gn, and ml; the others are prospects on qz veins within Triassic or Permian sedimentary rocks; they are locally noteworthy for their Au and Ag contents	Hawley and Clark, 1974, p. B31-B35; Ross, 1933a, p. 321-325
30 Flaurier, Riverside, Banner	P,11 T.19S.,R.11W.	p	Au(Ag,As,Cu,Pb,Zn)	Vein	Hydrothermal	aspy-rich qz veins that cut Permian and Triassic rocks, mainly limestone	Hawley and Clark, 1974, p. B35; Capps, 1919b, p. 230; Ross, 1933a, p. 326-327
31 Lookout Mountain	P,11 T.19S.,R.11W.	0	(Ag,Pb,Zn)	Breccia,	Hydrothermal	Weakly mineralized sheared and brecciated Tertiary quartz porphyry	Hawley and Clark, 1974, p. B39-B41
32 Silver King and nearby occurrences	P,11 T.19S.,Rs.10,11W.	p,0	Au,Ag,Cu,Sb(As,Bi, Sn)	Vein, breccia	Hydrothermal	Polymetallic Au and Ag-bearing veins and breccia filling within a sequence of locally metamorphosed Permian and Triassic rocks near a Tertiary quartz diorite porphyry	Hawley and Clark, 1974, p. B27-B30

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
33 Liberty, Lucrata, Eagle (Northern Light)	P,11 T.19S.,Rs.10,11W.	p	Au,Ag(Cu,As)	Vein, pod	Hydrothermal	aspy-rich veins and pods in locally metamorphosed Triassic and Permian rocks near Tertiary intrusives	Hawley and Clark, 1974, p. 830-831; Ross, 1933a, p. 323-330
34	P,11 T.19S.,R.10W.	0	Ni(Cr)	Disseminated	Magmatic	Ni and Cr occurrences in serpentinite	Hawley and Clark, 1974, pl. 1
35 Costello Creek	P,11 T.19S.,R.10W.	0	Cu(Au,Ag)	Disseminated, veinlet	Porphyry	Low-grade mineralized zones in Tertiary hornblende diorite porphyry; observed sulfide minerals include aspy, py, po, and cp	Hawley and Clark, 1974, p. 826-827
36 Camp Creek	P,11 T.19S.,R.10W.	0	(Cu,Zn,Au)	Disseminated(?)	Porphyry(?)	Weakly mineralized zones in an isolated outcrop of Tertiary porphyry	Hawley and Clark, 1974, p. 826-827
37 North Carolina (Antimony Creek)	P,11 T.21S.,R.10W.	P	Sb(Au)	Vein	Hydrothermal	sb and Au-bearing qz veins that cut upper Mesozoic argillite and graywacke, generally near Tertiary dikes	Hawley and others, 1968; Capps, 1919b, p. 229-230
38 Butte Creek	R,11 T.22S.,R.1W.	0	Cu	Vein, disseminated	Hydrothermal	cp, bn, and ml occurrences in Triassic basalt, probably Nikolai Greenstone	Saunders, 1961, p. 38
39	R,11 T.22S.,R.1W.	0	Fe	Massive, disseminated	Metamorphic	Poorly exposed mgt-rich zone in amphibolite, probably metamorphosed Triassic basalt, near fault contact with Mesozoic flysch	Kaufman, 1964, p. 10, 12
40	R,11 T.22S.,Rs.1E.,1W.	0	Cu	Veinlet	Hydrothermal, subaerial volcanogenic	Secondary Cu minerals associated with qz and epidote in Triassic basalt (Nikolai Greenstone)	Kaufman, 1964, p. 10
41	R,11 T.22S.,R.1E.	0	Cu	Vein	Hydrothermal	bn and ml in Triassic basalt	Saunders, 1961, p. 38
42	R,11 T.21S.,R.2E.	p	Cu	Vein	Hydrothermal	cp-bn-qz veins in Triassic basalt	Saunders, 1961, p. 38
43 Greathouse	R,11 T.21S.,R.2E.	P	Cu	Vein	Hydrothermal	bn, cc, and ml associated with qz, epidote, and calc in a narrow shear zone that cuts Triassic basalt	Kaufman, 1964, p. 5,6
44	R,11 T.21S.,R.2E.	0	Cu	Vein	Hydrothermal	Sparsely distributed Cu minerals in ankeritic veins that cut Triassic lavas	Kaufman, 1964, p. 5-6
45 Denali (Pass Creek)	R,11 T.20S.,R.3E.	P	Cu(Ag)	Disseminated, stratiform	Volcanogenic, sedimentary?	cp, py, and locally minor bn, cc, and native Cu mainly in argillaceous and calcareous sedimentary rocks near interfingering contacts with Triassic lavas	Seraphim, 1975, p. 949-959
46 Black Creek (Wagner)	R,11 T.20S.,R.3E.	p	Au	Vein	Hydrothermal	Claims on Au-bearing qz veins	Tuck, 1938, p. 120-121
47 Lucky Top, Accident, Yellowhorn	R,11 T.20S.,Rs.2,3E.	p	Au	Vein	Hydrothermal	Au-bearing qz veins in Mesozoic micaceous schist	Tuck, 1938, p. 118-120
48 Timberline Creek (Campbell and Boedecker)	R,11 T.20S.,R.2E.	p	Au(Ag)	Vein, disseminated	Hydrothermal	py and Au-bearing qz vein along fault in late Mesozoic diorite; some disseminated py in the diorite	Tuck, 1938, p. 117-118
49 Alaska Exploration and Mining Co.	R,11 T.20S.,R.2E.	p	Au(Ag)	Vein, lens, disseminated	Hydrothermal	Au-bearing qz veins and lenses in shear zones in Mesozoic diorite; generally associated with po, py, and cp, some disseminated py in the diorite	Ross, 1933b, p. 461-463; Tuck, 1938, p. 114-117
50 Marguerite Creek	Q,11 T.11S.,R.5W.	M	Au	Disseminated	Placer		Smith, 1942b, p. 48
51 Fox Gulch, Homestake and Platte Creeks	Q,11 T.11S.,R.5W.	M	Au	Disseminated	Placer	Au-bearing gravels along streams that incise a schist terrane cut by Mesozoic and Tertiary plutons	Maddren, 1918, p. 395-397

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
52 McCuen Gulch	Q,11 T.11S.,R.5W.	M	Au	Disseminated	Placer	Placer gold deposits in a stream valley, mainly in schist terrane	Maddren, 1913, p. 397-398
53 Moose Creek	Q,11 T.11S.,R.3W.	M	Au	Disseminated	Placer		Moffit, 1933a, p. 335
54 Dry Creek	R,11 T.11S.,R.2E.	M	Au	Disseminated	Placer		Capps, 1912, p. 51
55 Newman Creek	R,11 T.11S.,R.2E.	M	Au	Disseminated	Placer		Capps, 1912, p. 52
56 Portage Creek	R,11 T.12S.,R.3E.	M	Au	Disseminated	Placer		Capps, 1912, p. 52
57 Alaska Gulch	Q,11 T.12S.,R.6W.	p	Au	Disseminated	Placer	Deposits probably derived from Nenana gravels	Maddren, 1913, p. 378
58 French Gulch	Q,11 T.12S.,R.6W.	p	Au	Disseminated	Placer	Stream placers probably derived from Nenana gravels	Maddren, 1913, p. 378
59 Home Creek (Gagnon Creek)	Q,11 T.12S.,R.6W.	M	Au	Disseminated	Placer	Probably second cycle deposits derived from Nenana gravel	Maddren, 1913, p. 376-378
60 Bryn Mawr Creek	P,11 T.20S.,R.11W.	M	Au	Disseminated	Placer	Earliest recorded claims in upper Chulitna district	Capps, 1919b, p. 221, 231
61 Shotgun Creek	P,11 T.21S.,R.12W.	p	Au	Disseminated	Placer		Capps, 1919b, p. 231
62 Gold Creek	R,11 T.21S.,R.1W.	p	Au	Disseminated	Placer		Moffit, 1912, p. 54
63 Wickersham Creek	R,11 T.21S.,R.1W.	p	Au	Disseminated	Placer		Moffit, 1915a, p. 76
64 Valdez Creek	R,11 T.20S.,Rs.1,2,3E.	M	Au	Disseminated	Placer	A major placer mining area with production in excess of $7,000,000 (current gold price) and large potential resources; Au mainly in bedrock pockets, buried channels, and bench gravels; in a terrane of metamorphosed Mesozoic rocks cut by local granitic plutons	Smith, 1970, p. D146-D151; Ross, 1933b, p. 444-455; Tuck, 1938, p. 122-129; Moffit, 1912, p. 64-65
65	P,11 T.17S.,R.8W.	O	Cu(Fe)	Massive	Contact metamorphic (skarn)	Discontinuous small zones of po with minor cp in mgt-bearing skarn associated with Devonian marble; near contact with quartz diorite (Tertiary(?))	Hickman and Craddock, 1976, p. 1-4
66	P,11 T.17S.,R.8W.	O	Sb(Zn)	Veinlet	Hydrothermal	sb, sl, and py veinlets in upper Paleozoic sedimentary rocks	Hickman and Craddock, 1976, p. 4-5
67	Q,11 T.16S.,R.6W.	O	Cu	Disseminated	Submarine volcanogenic	Irregular bn and dig disseminations in upper Paleozoic greenstone	Hickman and Craddock, 1976, p. 4
68	R,11 T.21S.,R.2E.	p	Au	Disseminated	Placer		U.S. Bur. Mines, 1973
69	R,11 T.21S.,R.1E.	p	Au	Disseminated	Placer		"
70	R,11 T.21S.,R.1E.	P	Cu(Ag)	Disseminated	Hydrothermal	Cu minerals, in Triassic volcanics	"
71	R,11 T.21S.,R.1W.	p	Au	Disseminated	Placer	Placer Au claims	"
72	R,11 T.21S.,R.1W.	P	Cu(Mo,Au)	Disseminated, veinlet	Porphyry	A porphyry type deposit reflected by large altered zones in Jurassic siltstone and argillite near a Tertiary quartz monzonite stock	U.S. Geol. Survey, unpublished data, 1976
73	R,11 T.22S.,R.2W.	P	Cu(Au,Mo)	Disseminated, veinlet	Porphyry	Claims near contact between Tertiary granite and Jurassic flysch	U.S. Bur. Mines, 1973

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
74	Q,11 T.22S.,R.6W.	P	Cu(?)Au(?)	Vein(?)	Hydrothermal(?)	Claims in migmatitic rocks (Cretaceous(?))	U.S. Bur. Mines, 1973
75	P,11 T.21S.,R.11W.	p	Au	Disseminated	Placer		"
76	P,11 T.22S.,R.12W.	p	Au	Vein	Hydrothermal	Gold-bearing veins in upper Paleozoic rocks	"
77	P,11 Tps.20,21S.,R.10W.	p	Au	Disseminated	Placer		"
78	P,11 T.19S.,R.11W.	p	Au	Disseminated	Placer		"
79	P,11 T.19S.,R.10W.	p	Cu(Au)	Disseminated	Porphyry	Low-grade mineralized zones in Tertiary granitic rocks	"
80	Q,11 T.19S.,R.4W.	p	Au	Disseminated	Placer		"
81	R,11 T.20S.,R.2W.	p	Cu	Disseminated(?)	Hydrothermal(?)	Cu claims in gneiss	"
82	R,11 T.20S.,R.1E.	p	Au	Disseminated	Placer		"
83	R,11 T.20S.,R.1E.	P	Au	Disseminated	Placer		"
84	R,11 T.20S.,R.3E.	p	Au	Disseminated	Placer		"
85	Q,11 T.18S.,R.5W.	p	Cu?				"
86	Q,11 T.18S.,R.7W.	p	Au	Vein	Hydrothermal	Lode claims for Au	"
87	Q,11 T.18S.,R.7W.	p	Au	Vein	Hydrothermal	Lode claims both north and south of Park highway	"
88	P,11 T.17S.,R.9W.	p	Au	Vein	Hydrothermal	Several lode claims, mainly in Paleozoic metamorphic rocks, in vicinity	"
89	P,11 T.17S.,R.9W.	p	Au	Placer	Disseminated	Several placer claims in vicinity	"
90	Q,11 T.17S.,Rs.7,8W.	M	Au	Placer	Disseminated		"
91	R,11 T.17S.,R.1E.	P	Cu,Zn(Ag)	Disseminated	Submarine volcanogenic	cp and sl in Paleozoic metamorphic rocks	U.S. Geol. Survey, unpublished data, 1976
92	P,11 T.16S.,R.8W.	p	Au	Disseminated	Placer		U.S. Bur. of Mines, 1973
93	R,11 T.15S.,R.3E.	p	Au	Vein?	Hydrothermal		"
94	P,11 T.14S.,R.9W.	p	Au	Disseminated	Placer		"
95	Q,11 T.14S.,R.7W.	p	Au	Disseminated	Placer		"
96	R,11 T.13S.,R.2W.	P	Cu(Ag)	Disseminated, massive	Hydrothermal? submarine volcanogenic?	Deposits in metamorphic rocks	"
97	Q,11 T.13S.,R.3W.	p	Sb	Vein	Hydrothermal	Veins in Paleozoic or older schist	"
98	R,11 Tps.12,13S.,R.1W.	p	Cu	Disseminated(?)	Porphyry(?)	Claims in Tertiary granitic rocks and nearby schist	"
99	Q,11 T.13S.,R.7W.	p	Au	Vein	Hydrothermal	qz veins in Paleozoic schist	"
100	Q,11 T.13S.,R.7W.	p	Au,Cu?	Vein	Hydrothermal	Claims in Paleozoic schist	"
101	P,11 T.13S.,R.8W.	p	Au	Disseminated	Placer		"
102	Q,11 T.12S.,R.2W.	P	Cu(Ag)	Disseminated, massive	Submarine volcanogenic(?)	Lode claims in Paleozoic schist	"
103	R,11 T.12S.,R.1W.	p	Cu(?)Au(?)			Lode claims in Totatlanika Schist	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
104	R,11 T.12S.,R.1E.	P	Cu,Pb,Ag	Disseminated, massive	Submarine volcanogenic	Lode claims in Totatlanika Schist	U.S. Bureau of Mines, 1973
105	R,11 T.11S.,R.2E.	p	Au	Disseminated	Placer		"
106	R,11 T.11S.,R.2E.	p	Au	Disseminated	Placer		"
107	R,11 T.11S.,Rs.1,2E.	P	Cu,Ag,Pb	Disseminated, massive	Submarine volcanogenic	Lode claims in Totatlanika Schist	"
108	R,11 T.11S.,R.1W.	P	Cu,Ag,Pb	Disseminated, massive	Submarine volcanogenic	Lode claims in Totatlanika Schist	"
109	Q,11 T.11S.,Rs.3,4W.	P	Cu(?),Ag(?),Pb(?)	Disseminated(?) massive(?)	Submarine volcanogenic(?)	Lode claims in Totatlanika Schist	"
110	Q,11 T.11S.,R.4W.	P	Cu(?),Au(?)			Lode claims, mainly in Totatlanika schist, probably submarine volcanogenic	"
111	Q,11 T.11S.,R.4W.	P	Au?			Lode claims in Tertiary sedimentary rocks	"
112	Q,11 T.11S.,R.6W.	P	Cu(?),Au(?),Pb(?) Ag(?)	Disseminated(?), Massive(?)	Submarine volcanogenic(?)	Lode claims in Totatlanika Schist	"
113	Q,11 T.11S.,R.6W.	p	Au	Disseminated	Placer		"
114	R,11 T.14S.,R.2E.	0	Cu	Disseminated	Contact metamorphic	Gossan in Paleozoic metamorphic rocks adjacent to a gabbro sill; contains cp	Sherwood, Craddock, and Smith, 1976, p. 4, 11
115	R,11 T.14S.,R.1E.	0	Cu	Disseminated	Contact metamorphic	Cu-bearing gossan in Paleozoic metasedimentary rocks near a grabbro sill	"
116	R,11 T.14S.,R.1W.	0	Cu	Disseminated	Contact metamorphic	po and cp-bearing zone at contact between gabbro and Ordovician metasedimentary rock	Sherwood, Craddock, and Smith, 1976, p. 3, 4, 11
117	R,11 T.14S.,R.1W.	0	Cu	Massive	Contact metamorphic(?)	cp-bearing massive sulfides in metasedimentary rocks	"
118	R,11 T.15S.,R.2W.	0	Cu	Disseminated	Contact metamorphic	Cu-bearing zone in Paleozoic chert and phyllite near contact with gabbro	Sherwood, Craddock, and Smith, 1976, p. 4, 8, 12
119	R,11 T.16S.,R.2E.	0	Cu	Disseminated	Porphyry?	Sulfide-bearing mafic intrusive rocks	Sherwood, Craddock, and Smith, 1976, p. 9, 12

ICY BAY QUADRANGLE
(latitude, 59°-60°; longitude, 141°-144°)

Part of the Gulf of Alaska covers almost all of the quadrangle. Placer gold deposits have been reported from near Icy Bay, probably within the boundaries of the quadrangle.

KANTISHNA RIVER QUADRANGLE (Approximate southeastern one-sixth of quadrangle)
(latitude, 64°-65°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) Minor constituents, or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1	0,12 T.10S.,R.14W.	0	Pb,Ag	Vein	Hydrothermal, submarine volcanogenic	Silicified zones cut by a complex system of qz veins; in rhyolite porphyry of Totatlanika Schist (Devonian and (or) Mississippian); some gn and lim in the qz veins	Bundtzen and others, 1977

KENAI QUADRANGLE
(latitude, 60°-61°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINICIPAL REFERENCES
1 Tuxedni Bay	M,8 T.2N.,R.21W.	P	Fe	Massive, disseminated	Contact metamorphic	Small mgt-rich skarn deposit and mgt disseminated in hornfels; the deposits are localized in contact aureoles of Jurassic granitic plutons that intrude Lower Jurassic sedimentary and volcanic rocks	Grantz, 1956
2 Kenai River	O,8 T.4N.,R.5W.	p	Au	Disseminated	Placer	General area of initial gold discovery in Alaska (in 1848); stream and bench placers; intermittent exploration, but no recorded production	Martin, Johnson and Grant, 1915, p. 181-182, 197
3 Ninilchik	N,8 T.2S.,R.13W.	M	Au	Disseminated	Placer	Beach placers, site of early workings	Martin, Johnson, and Grant, 1915, p. 111
4 Indian Creek	O,8 T.1S.,R.8W.	M	Au	Disseminated	Placer	Stream and bench placers	Martin, Johnson, and Grant, 1915, p. 111
5	M,8 T.1S.,Rs.21,22W.	P	Au?			Lode claim, probably for Au, near fault contact between Alaska-Aleutian Range batholith and Lower Jurassic sedimentary and volcanic rocks	U.S. Bur. Mines, 1973
6	M,8 T.2N.,R.21W.	P	Cu?,Fe?			Lode claims in Jurassic granitic rocks	"
7	M,8 T.2N.,R.20W.	P	Fe	Massive, disseminated	Contact metamorphic	mgt-bearing deposits in metamorphosed Lower Jurassic rocks near Jurassic granitic rocks	"
8	M,8 T.2N.,R.20W.	P	Fe	Massive, disseminated	Contact metamorphic	mgt-bearing deposits in metamorphosed Lower Jurassic rock	"
9	M,8 T.6N.,R.18W.	P	Au	Disseminated	Placer	Placer claims	"
10	O,8 T.1S.,R.7W.	p	Au	Disseminated	Placer	Placer Au claims	"
11	O,8 T.5N.,R.8W.	p	Au	Disseminated	Placer	Placer Au claims	"
12	O,8 Tps.4,5N.,R.8W.	p	Au	Disseminated	Placer	Placer Au claims	"
13	O,8 T.4N.,R.5W.	P	Au	Disseminated	Placer	Placer Au claims	"
14	O,8 T.5N.,R.5W.	p	Au	Disseminated	Placer	Placer Au claims	"
15	O,8 T.7N.,R.5W.	P	Au	Disseminated	Placer	Placer Au claims	"
16	N,8 T.8N.,R.10W.	P	Au	Disseminated	Placer	Placer Au claim	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Harrais	X,9 T.10S.,R.21E.	P	Pb,Zn(Ag,Cu)	Minor disseminations and small pods	Hydrothermal	Small sporadically distributed pods and disseminations that contain Pb, Zn, and Cu sulfides and their alteration products; localized in shear zones mainly in Permian marble of the Skolai Group	Seitz, 1963, p. 66-72; MacKevett, 1976
2	W,9 T.10S.,R.18E.	O	Cu(Ag,Au,Mo)	Disseminated and vein	Porphyry?, hydrothermal	Scattered sulfide-bearing disseminations and qz veins as much as 15 cm wide in Jurassic quartz diorite	MacKevett, 1976
3	W,9 T.10S.,R.18E.	O	Cu(Ag,Au,Mo)	Vein	Hydrothermal	cp-bearing qz vein as much as 30 cm thick that cuts Jurassic quartz monzonite	MacKevett, 1976
4	V,9 T.10S.,R.11E.	p	Au	Vein	Hydrothermal	Minor surficial workings on thin qz veins that cut Valdez Group metamorphosed flysch and felsic dikes	MacKevett, 1976
5 Golconda Creek	V,9 T.10S.,R.11E.	M	Au	Disseminated	Placer	Small production, probably between 2,000 and 3,000 ounces of gold recovered from shallow placers during the early 1900's	Moffit, 1914, p. 43-47; MacKevett, 1976
6 Yellowband mine and nearby Chick Nelson and La Tendre prospects	V,9 T.10S.,R.11E.	M,p	Au	Vein	Hydrothermal	Several auriferous qz veins, generally less than 25 cm thick, and mainly associated with felsic dikes that cut Valdez Group argillite and graywacke. Yellowband produced about 750 ounces of gold	Moffit, 1937, p. 101, 102; Smith, 1942b, p. 25,26; MacKevett, 1976
7 Lucky Girl and Grand Prize (Bremner Mining Co.)	V,9 T.9S.,R.11E.	M	Au	Vein	Hydrothermal	Minor production from a series of gold-bearing qz veins that cut Valdez Group metasedimentary rocks or Tertiary felsic dikes	Moffit, 1914, p. 49, 50; Moffit, 1937, p. 99, 101; MacKevett, 1976
8	X,9 T.8S.,R.20E.	O	Fe	Massive	Skarn	mgt-rich skarn in marble near contact with Pennsylvanian monzonite	MacKevett, 1976
9	W,9 T.8S.,R.18E.	p	Au	Disseminated	Placer	Placer gold reported in gravels of Canyon Creek	Moffit, 1916, p. 135
10	W,9 T.7S.,R.18E.	O	Cu(Ag,Au)	Vein	Hydrothermal	Cu-bearing vein as much as 1 m thick within an altered zone, 5 m thick, that cuts Nikolai Greenstone (Triassic)	MacKevett and Smith, 1968, p. 12,13,15
11 Young Creek and tributaries	W,9 T.7S.,Rs.15, 16E.	M	Au(Ag,Cu)	Disseminated	Placer	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, 1976
12 Chititu Creek and tributaries	W,9 Tps.6,7S.,Rs. 15,16E.	M	Au(Ag,Cu)	Disseminated	Placer	Chititu Creek and its tributaries were the major gold producers of the Nizina district. Accounted for more than half of the estimated 143,500 ounces of gold produced from the district; minor recent activity	Moffit and Capps, 1911, p. 98-100,103-107; Koschmann and Bergendahl, 1968, p. 14; MacKevett, 1976
13	X,9 T.6S.,R.20E.	O	(Mo,Ag)	Disseminated	Porphyry?, hydrothermal	Altered zones in Tertiary granodiorite	MacKevett, 1976
14	X,9 T.6S.,R.19E.	P	Mo	Vein	Hydrothermal	mo in qz veins that cut Tertiary granodiorite	Smith, 1942a, p. 182, 183; MacKevett, 1976
15	W,9 T.6S.,R.18E.	O	Au	Disseminated	Hydrothermal	Irregular gold-bearing altered zone in volcaniclastic rocks of Station Creek Formation (Pennsylvanian and Permian)	MacKevett and Smith, 1968, p. 10,11,15; MacKevett, 1976
16	W,9 T.6S.,R.18E.	O	Cu(Ag)	Vein	Hydrothermal	Narrow cc- and ml-bearing veins in fault zone, 2 m wide, that cuts Nikolai Greenstone (Triassic)	MacKevett and Smith, 1968, p. 10,11,15; MacKevett, 1976
17	W,9 T.6S.,R.18E.	O	Cu(Ag)	Vein and surficial coating	Hydrothermal	Mineralized Nikolai Greenstone bordering a 15-m-wide altered zone along a fault	MacKevett and Smith, 1968, p. 10,11,15; MacKevett, 1976
18 Copper Creek and tributaries	W,9 T.6S.,Rs.16, 17E.	M	Au(Ag,Cu)	Disseminated	Placer	Placer deposits of Copper Creek and some of its tributaries contributed to the Nizina district's placer gold production	Moffit and Capps, 1911, p. 100,101; MacKevett, 1976

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
19	W,9 T.6S.,R.17E.	O	Sb(W,Au)	Vein	Hydrothermal	Series of sb-bearing veins that cut Nizina Limestone (Triassic)	MacKevett and Smith, 1968, p. 10,11,15; MacKevett, 1976
20	W,9 T.6S.,R.17E.	O	Sb	Vein	Hydrothermal	Narrow veins in Fe-stained fault zone, 3 m wide	MacKevett and Smith, 1968, p. 10,11,14; MacKevett, 1976
21	W,9 T.6S.,R.17E.	P	Cu(Ag)	Vein	Hydrothermal	Sporadically distributed veins as much as 5 cm wide in Nikolai Greenstone; the veins contain cc, cp, po, cv, and ml	MacKevett and Smith, 1968, p. 10,11,14; MacKevett, 1976
22 Taylor	W,9 T.6S.,R.16E.	P	Au(Ag,Cu)	Vein, small pods, and disseminated	Hydrothermal	Minor disseminations and pods and a few thin qz veins at and near contact between a Tertiary felsic pluton and Cretaceous hornfels	MacKevett and Smith, 1968, p. 10,11,15; MacKevett, 1976
23 Crumb Gulch prospects	W,9 T.6S.,R.16E.	P	Au,Sb	Vein	Hydrothermal	Veins as much as 30 cm thick in shear zones cutting Cretaceous hornfels near Tertiary granodiorite	MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
24 Dan Creek	W,9 T.6S.,R.16E.	M	Au(Ag,Cu)	Disseminated	Placer	Dan Creek placers and those of Copper Creek and its tributaries accounted for slightly less than half of the Nizina district's gold production, which, as of 1959, was approximately 143,500 ounces; small-scale recent activity	Moffit and Capps, 1911, p. 98-113; Koschmann and Bergendahl, 1968, p. 14; MacKevett, 1976
25 Nikolai Butte prospects	W,9 T.6S.,R.16E.	P	Cu(Ag,Pb,Zn)	Vein and coating	Hydrothermal	Several small prospects that explored narrow veins in steep faults, mainly in Nikolai Greenstone near contacts with Chitistone Limestone	MacKevett and Smith, 1968, p. 8-11,14; MacKevett, 1976
26 O'Hara	W,9 T.6S.,R.9E.	P	Zn,Pb(Ag)	Vein and pods	Hydrothermal, replacement?	Veins, as much as 20 cm thick, and small pods in Permian marble; the deposits contain sl, gn, py, ms, and po	Berg and Cobb, 1967, p. 64; MacKevett, 1976
27	W,9 T.6S.,R.9E.	O	Zn(Pb)	Disseminated	Hydrothermal	Permian marble that contains scattered sulfides	MacKevett, 1976
28 Erickson	W,9 T.5S.,R.18E.	M	Cu(Ag)	Massive, vein	Subaerial volcanogenic	Native Cu, ten, cup and minor amounts of other copper minerals in Nikolai Greenstone; minor production in 1917	Miller, 1946, p. 117, 118; MacKevett and Smith, 1968, p. 12, 13,16; MacKevett, 1976
29	W,9 T.5S.,R.18E.	O	Cu(Ag)	Disseminated	Hydrothermal	Mineralized and altered zone between gabbro and Hasen Creek (Permian) sedimentary rocks; zone to 3 m wide	MacKevett and Smith, 1968, p. 12,13,16; MacKevett, 1976
30 Radovan Low contact	W,9 T.5S.,R.17E.	P	Cu	Vein and disseminated	Hydrothermal	Sporadically distributed cc, cp, py, ms, re, and sb in a brecciated fault zone that juxtaposes Nikolai Greenstone and Chitistone Limestone	Miller, 1946, p. 114-117; Pilgrim, 1933, p. 90-92; Sainsbury, 1952, p. 14-17; MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
31 Binocular	W,9 T.5S.,R.17E.	P	Cu(Ag)	Pods and coatings	Sabkha?, replacement?	Small ml-stained cc masses in near basal Chitistone Limestone	Miller, 1946, p. 114; MacKevett, 1976
32 Radovan Greenstone	W,9 T.5S.,R.17E.	M	Cu(Ag)	Vein	Hydrothermal	cc-rich vein, 1-3 m thick, in fault cutting Nikolai Greenstone	Sainsbury, 1952, p. 12-14; MacKevett and Smith, 1968, p. 8,9, 14; MacKevett, 1976
33	W,9 T.5S.,R.19E.	P	Cu	Vein	Hydrothermal	calc-rich veins as much as 1 m thick in lower part of Chitistone Limestone	MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
34 Nelson	W,9 T.5S.,R.17E.	M	Cu(Ag)	Massive and vein	Sabkha, replacement, hydrothermal	A Kennecott-type Cu deposit that contains cc, cv, and other Cu minerals in a faulted block of Chitistone Limestone	Bateman, 1932, p. 297-306; Miller, 1946, p. 110-114; Sainsbury, 1952, p. 1-12; MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
35	W,9 T.5S.,R.17E.	O	Cu(Ag)	Vein	Hydrothermal	ml and az-bearing vein, 0.5-1 m thick, in fault that cuts Nikolai Greenstone	MacKevett and Smith, 1968, p. 12,13,15; MacKevett, 1976
36 Snow Bird	W,9 T.5S.,R.16E.	P	Cu(Ag)	Vein	Hydrothermal	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	Moffit, 1918a, p. 176-177; MacKevett and Smith, 1968, p. 8,9, 14; MacKevett, 1976

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
37 Westover	W,9 T.5S.,R.16E.	M	Cu(Ag)	Massive, lenticular, disseminated	Sabkha, replacement, hydrothermal	Mainly consists of bn-rich lenses localized in lower part of Chitistone Limestone	Miller, 1946, p. 108-110; Moffit and Capps, 1911, p. 95-97; Moffit, 1918a, p. 125-177; MacKevett and Smith, 1968, p. 8,9, 14; MacKevett, 1976
38 Peavine	W,9 T.5S.,R.16E.	M	Cu(Ag)	Vein, coating, disseminated	Hydrothermal	cc, ml, and az in brecciated fault zone that cuts Nikolai Greenstone and Chitistone Limestone; small production	Miller, 1946, p. 120; MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
39 Schulze	W,9 T.5S.,R.15E.	P	Cu(Ag)	Pod and vein	Sabkha?, replacement	A Kennecott-type Cu deposit; small cc-rich pod and stringer veins in lower part of Chitistone Limestone	MacKevett, 1976
40 Nikolai	W,9 T.5S.,R.15E.	P	Cu	Vein	Hydrothermal	Two-Cu-bearing veins, each less than 1 m thick, that cut Nikolai Greenstone; the veins contain bn, cp, py, po, and secondary Cu and Fe minerals	Miller, 1946, p. 106-108; Mendenhall and Schrader, 1903a, p. 28, 29; MacKevett, 1976
41 Porphyry Mountain	W,9 T.5S.,R.14E.	P	Au,Mo	Vein	Hydrothermal	Thin, sheared qz vein that contains some mo and Au; cuts a Tertiary pluton	MacKevett and Smith, 1968, p. 8,9,14; MacKevett, 1976
42	V,9 T.5S.,R.13E.	O	Cu	Vein	Hydrothermal	Altered vein about 15 cm thick that cuts a Tertiary pluton	Winkler and others, 1971, p. 4,6; MacKevett, 1976
43	X,9 T.4S.,R.22E.	O	Cu	Vein and disseminated	Hydrothermal, subaerial volcanogenic	Native Cu, cc and their alteration products in poorly exposed Nikolai Greenstone	MacKevett, 1976
44 Houghton Alaska	W,9 T.4S.,R.17E.	p	Cu	Vein and coating	Hydrothermal	Several old prospects on narrow veins in minor faults near upper contact of Nikolai Greenstone	Miller, 1946, p. 120; MacKevett, 1976
45 Contact Gulch	W,9 T.4S.,R.17E.	p	Cu	Vein and coating	Hydrothermal	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, 1976
46	W,9 T.4S.,R.16E.	P	Cu	Massive and disseminated	Replacement?, hydrothermal	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, 1976
47 Green Butte	W,9 T.4S.,R.15E.	M	Cu(Ag)	Massive, vein	Sabkha, hydrothermal	A Kennecott-type deposit that contains cc-rich lodes localized in lower part of the Chitistone Limestone; produced about 1500 tons of high-grade ore	Miller, 1946, p. 103, 104; MacKevett, 1976
48 Tjosevig	W,9 T.4S.,R.15E.	P	Cu(Ag)	Massive, vein	Sabkha, hydrothermal	A Kennecott-type deposit in the lower part of the Chitistone Limestone; known deposits at the prospect are small	Miller, 1946, p. 104, 105; MacKevett, 1976
49 Bonanza, Mother Lode, and Independence (Kennecott mines)	W,9 T.4S.,R.14E.	M	Cu(Ag)	Massive, vein, disseminated	Sabkha, hydrothermal	The Bonanza was the first-discovered Kennecott-type deposit and a major producer; cc-rich lodes in lower part of Chitistone Limestone; only minor production since 1938; the Mother Lode is a Kennecott-type deposit with moderate production and some recent exploration; the Independence explored cc- and bn-bearing veins in upper parts of the Nikolai Greenstone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; Moffit and Capps, 1911, p. 92; Douglass, 1964; MacKevett, 1976
50 Jumbo (Kennecott mines)	W,9 T.4S.,R.14E.	M	Cu(Ag)	Massive, vein, disseminated	Sabkha, hydrothermal	Largest producer of the Kennecott mines and accounts for most of the approximately 1.2 billion pounds of copper and 9 million ounces of silver production from the Kennecott mines; cc-rich lodes in lower part of the Chitistone Limestone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; Douglass, 1964; MacKevett, 1976
51 Erie (Kennecott mines)	W,9 T.4S.,R.14E.	M	Cu(Ag)	Massive, vein, disseminated	Sabkha, hydrothermal	A Kennecott-type deposit; mainly cc-rich lodes in lower part of Chitistone Limestone	Bateman and McLaughlin, 1920; Miller, 1946, p. 98-101; Douglass, 1964; MacKevett, 1976

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
52	W,9 T.4S.,R.13E.	P	Cu	Vein	Hydrothermal	cc- and bn-bearing veins as much as 15 cm thick in Nikolai Greenstone	MacKevett, 1976
53 Regal	W,9 T.4S.,R.13E.	M	Cu	Coating, vein, disseminated	Hydrothermal	Chiefly ml-rich coatings, veinlets and disseminations in near-basal Chitistone Limestone; minor production	Miller, 1946, p. 101, 102; MacKevett, 1976
54 Fourth of July Creek	V,9 T.4S.,R.12E.	P	Cu	Vein and coating	Hydrothermal	Secondary Cu minerals, mainly ml, and minor bn and cp in faulted and strongly jointed Nikolai Greenstone	Moffit and Maddren, 1909, p. 163; Moffit, 1918a, p. 163, MacKevett, 1976
55 Nebraska	V,9 T.4S.,R.12E.	p	Cu	Vein and coating	Hydrothermal	Secondary Cu minerals, mainly ml, and minor bn in fractured Nikolai Greenstone	Moffit and Maddren, 1909, p. 79; MacKevett, 1976
56 Lakina	V,9 Tps.3,4S., R.11E.	P	Cu(Ag)	Vein and disseminated	Hydrothermal, subaerial volcanogenic	cc, bn, cv, ml, and az in shear zones in Nikolai Greenstone; some native Cu in nearby Nikolai flows	Moffit and Maddren, 1909, p. 75-77; Moffit, 1918a, p. 161, 162; MacKevett, 1976
57	V,9 T.4S.,R.10E.	O	Cu(Ag)	Vein and disseminated	Hydrothermal	Cu minerals in altered Skolai Group volcanic rocks	MacKevett, 1976
58 Kinney-Golden	V,9 T.4S.,R.10E.	P	Cu	Vein	Hydrothermal	cp and secondary Cu minerals localized along subsidiary faults that cut Nikolai Greenstone and lower member of McCarthy Formation near a major thrust fault	Moffit, 1918a, p. 160-161; MacKevett, 1976
59 Calcite	V,9 T.4S.,R.9E.	p	Cu	Vein and coating	Hydrothermal	py,cp, and secondary Cu minerals in brecciated fault zone in Chitistone Limestone	Moffit and Mertie, 1923, p. 138,139; MacKevett, 1976
60 Midas (Berg Creek) Upper workings	V,9 T.4S.,R.9E.	P	Cu	Massive, vein, disseminated	Skarn, hydrothermal	Contact-metamorphic and minor vein deposits in metamorphosed Nizina Limestone; the contact-metamorphic deposits contain mgt, py, and cp	Moffit and Mertie, 1923, p. 140,141; MacKevett, 1976
61 Midas (Berg Creek) Lower workings	V,9 T.4S.,R.9E.	M	Au,Cu(Ag)	Massive, vein, disseminated	Skarn, hydrothermal	Skarn deposits that contain mgt, epid, py, and cp, and thin gold-bearing qz veins; both in metamorphosed Chitistone Limestone near Jurassic granodiorite	Moffit and Mertie, 1923, p. 143-146; MacKevett, 1976
62	X,9 T.3S.,R.24E.	O	Cu	Massive, disseminated	Subaerial volcanogenic	Native Cu in Nikolai Greenstone	MacKevett, 1976
63	X,9 T.3S.,R.24E.	P	Cu	Disseminated	Placer	Cu nuggets in gravels of Kletsan Creek	Moffit and Knopf, 1910, p. 57; Capps, 1916a, p. 124, 125; MacKevett, 1976
64	X,9 T.3S.,R.23E.	O	Cu(Ag)	Veinlets	Hydrothermal	Cu minerals, mainly ml, in veinlets within a shear zone that cuts Triassic sedimentary rocks; mineralized outcrop about 3x30 m	MacKevett, 1976
65	X,9 T.3S.,R.21E.	O	Cu(Ag,Au)	Veinlets and disseminated	Hydrothermal	Cu-bearing veinlets and disseminations in altered Station Creek (Pennsylvanian) volcaniclastic rocks	MacKevett, 1976
66	X,9 T.3S.,R.20E.	O	Cu	Coating	Hydrothermal	Fe- and Cu-stained Nikolai Greenstone	MacKevett, 1976
67	W,9 T.3S.,R.17E.	O	Cu	Vein	Hydrothermal	cp- and az-bearing qz veins as much as 10 cm thick that cut Wrangell Lava (Cenozoic)	MacKevett, 1976
68	W,9 T.3S.,R.16E.	O	Cu	Vein	Hydrothermal	cc- and ml-bearing veins as much as 20 cm thick in Nikolai Greenstone	MacKevett, 1976
69	W,9 T.3S.,R.13E.	P	Cu	Vein	Hydrothermal	Short adit near Chitistone-Nikolai contact; sparsely distributed secondary Cu minerals along fault	MacKevett, 1976
70 South of Hidden Creek	V,9 T.3S.,R.12E.	P	Cu	Vein and coating	Hydrothermal	Several short adits and surficial workings in Nikolai Greenstone or at Nikolai-Chitistone Limestone contact; deposits contain secondary Cu minerals and minor bn	Moffit and Maddren, 1909, p. 77-80; Moffit, 1918a, p. 162, 163; MacKevett, 1976
71 North of Hidden Creek	V,9 T.3S.,R.12E.	P	Cu	Vein	Hydrothermal	ml and minor cc along narrow vein in fault that cuts Nikolai Greenstone	MacKevett, 1976

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72		V,9 T.3S.,R.12E.	O	Cu(Ag)	Vein and coating	Hydrothermal	Secondary Cu minerals in sheared Nikolai Greenstone	MacKevett, 1976
73		V,9 T.3S.,R.10E.	O	Cu	Massive and disseminated	Skarn	Small exposure of mgt-rich skarn that contains scattered cp; host rock Triassic marble	MacKevett, 1976
74		V,9 T.3S.,R.10E.	p	Au	Disseminated	Placer	Relics of old placer workings	MacKevett, 1976
75	Pierson	V,9 T.3S.,R.10E.	p	Au?	Vein and coating	Hydrothermal	On brecciated felsic dike	Moffit and Mertie, 1923, p. 136; MacKevett, 1976
76	Mayflower	V,9 T.3S.,R.10E.	p	Cu(Ag)	Vein	Hydrothermal	bn, cc, and secondary Cu minerals in narrow veins in strongly faulted Nikolai Greenstone	Moffit and Mertie, 1923, p. 135,136; MacKevett, 1976
77		V,9 T.3S.,R.10E.	O	Cu	Disseminated	Subaerial volcanogenic	Nikolai Greenstone with epid-qz amygdules that contain native Cu and ten	MacKevett, 1976
78	London and Cape	V,9 Tps.3,4S., R.9E.	P	Cu(Mo)	Disseminated and veinlet	Porphyry	A porphyry Cu deposit that contains py-cp veinlets and disseminations in locally altered Jurassic granodiorite and quartz diorite	Moffit and Mertie, 1923, p. 136,137; MacKevett, 1976
79	War Eagle	V,9 Tps.3,4S., R.9E.	p	Cu(Fe)	Massive and vein	Skarn	A contact-metamorphic deposit in metamorphosed Chitistone Limestone adjacent to Jurassic granodiorite; mineralized zone as much as 8 m thick; contains mgt, po, py, and minor cp	Moffit and Mertie, 1923, p. 137,138; MacKevett, 1976
80	Copper Queen (Rarus)	V,9 T.3S.,R.9E.	p	Cu(Fe)	Massive and vein	Skarn	A contact-metamorphic deposit in faulted and metamorphosed Chitistone Limestone adjacent to granodiorite; contains mgt, po, py, and minor cp	Moffit and Mertie, 1923, p. 139; MacKevett, 1976
81		V,9 T.3S.,R.9E.	P	Cu	Coating	Hydrothermal	Part of Great Northern Development Co. exploration near Clear Creek; old adit in ml-stained Nikolai Greenstone	Moffit and Mertie, 1923, p. 127; MacKevett, 1976
82	Blackburn	V,9 T.3S.,R.9E.	p	Cu	Vein and coating	Hydrothermal	Old adits along Cu-stained faults that cut Nikolai Greenstone and apophyses of Jurassic granitic plutons	Moffit and Mertie, 1923, p. 128; MacKevett, 1976
83	Great Northern Development	V,9 T.3S.,R.9E.	P	Cu(Ag,Mo)	Vein and disseminated	Hydrothermal, porphyry	Explored by several adits during 1914-1916; some recent exploration interest; py and cp-bearing veins along faults in Nikolai Greenstone and Jurassic granodiorite; local disseminated sulfides in the granodiorite	Moffit and Mertie, 1923, p. 126-128; MacKevett, 1976
84		V,9 T.3S.,R.9E.	p	Cu	Vein	Hydrothermal	Two short adits on thin veins in faulted Nikolai Greenstone; minor cp and ml	Moffit and Mertie, 1923, p. 128; MacKevett, 1976
85	Valdez (Nugget Creek)	V,9 Tps.2,3,S., R.9E.	M	Cu(Ag)	Vein	Hydrothermal	bn-cp-py-bearing calc vein, locally more than 1 m thick, that cuts Nikolai Greenstone; small pre-1918 production	Moffit and Mertie, 1923, p. 128-133; MacKevett, 1976
86		V,9 T.3S.,R.8E.	O	Cu(Ag)	Vein	Hydrothermal	bn-bearing veins as much as 6 cm thick in fault zone that cuts Nikolai Greenstone	MacKevett, 1976
87		V,9 T.3S.,R.8E.	O	Cu(Ag,Au)	Veinlet and coating	Hydrothermal	Several subparallel bn-bearing, Cu-stained veinlets in Nikolai Greenstone	MacKevett, 1976
88		V,9 T.3S.,R.8E.	O	Cu	Veinlet and coating	Hydrothermal	Reticulated network of Fe-stained veinlets in Pennsylvanian metavolcanic rocks	MacKevett, 1976
89		V,9 T.3S.,R.8E.	p	Cu	Vein and coating	Hydrothermal	Old prospect pit on 2-m-wide altered fault zone in Nikolai Greenstone that contains sporadically distributed py-calc veins with minor Cu staining	MacKevett, 1976
90		X,9 T.2S.,R.21E.	p	Cu	Disseminated	Subaerial volcanogenic	Caved adit in Nikolai Greenstone; sparsely distributed Cu minerals in amygdules	Capps, 1916a, p. 124; MacKevett, 1976
91		X,9 T.2S.,R.21E.	O	Cu	Disseminated	Porphyry?	Disseminated sulfides in altered mafic dike, about 60 m thick	MacKevett, 1976

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92		X,9 T.2S.,R.20E.	p	Cu	Vein	Hydrothermal	Thin bn- and cc-bearing veins in Nikolai Greenstone; traces of old surficial workings	Moffit and Knopf, 1910, p. 57; MacKevett, 1976
93	Skolai Mining Co.	X,9 T.2S.,R.20E.	p	Cu	Vein	Hydrothermal	Small occurrences of cc and ml in sheared Nikolai Greenstone	Capps, 1916a, p. 123; Knaebel, 1970, p. 16; MacKevett, 1976
94		X,9 T.2S.,R.19E.	p	Cu	Vein	Hydrothermal	Old prospect in Cu-stained Nikolai Greenstone	Capps, 1916a, p. 122; MacKevett, 1976
95	Big Horn (Finch)	V,9 T.2S.,R.10E.	p	Cu	Vein and massive	Hydrothermal	bn-, cc-, and ml-bearing veins and pods in strongly faulted Nikolai Greenstone	Moffit and Mertie, 1923, p. 133-135; Van Alstine and Black, 1946a, p. 137, 138; MacKevett, 1976
96	Roaring Creek	V,9 T.2S.,R.9E.	p	Cu	Vein	Hydrothermal	Several old prospects near Roaring Creek and its tributaries; on thin veins that variously contain small amounts of cp, bn, cc, and ml and cut Permian sedimentary rocks or gabbro	Moffit and Mertie, 1923, p. 107; MacKevett, 1976
97	Skyscraper	V,9 T.2S.,R.9E.	p	Cu	Vein and disseminated	Hydrothermal and subaerial volcanogenic	Thin Cu-bearing veins and local disseminated native Cu in Nikolai Greenstone	Moffit and Mertie, 1923, p. 106,107; MacKevett, 1976
98	Peacock Creek	V,9 T.2S.,R.9E.	p	Cu	Vein	Hydrothermal	Several old claims on Cu-bearing veins in Nikolai Greenstone	Moffit and Mertie, 1923, p. 107; MacKevett, 1976
99	Amy Creek	V,9 T.2S.,R.9E.	p	Cu	Vein	Hydrothermal	Several old prospects on py-bearing veins and altered zones in Permian sedimentary rocks and gabbro; local secondary Cu minerals	Moffit and Mertie, 1923, p. 104; MacKevett, 1976
100	Shower Gulch	V,9 T.2S.,R.9E.	p	Cu	Disseminated	Subaerial volcanogenic	Sparsely distributed native Cu in amygdaloidal Nikolai Greenstone	Moffit and Mertie, 1923, p. 107,108; MacKevett, 1976
101		V,9 T.2S.,R.8E.	0	Zn(Pb,Ag)	Vein	Hydrothermal	Altered zone about 2 m thick that cuts Chitistone Limestone; contains sl and gn and their alteration products	MacKevett, 1976
102		V,9 T.2S.,R.18E.	0	Cu	Vein and coating	Hydrothermal	3-m-wide altered fault zone in Nikolai Greenstone	MacKevett, 1976
103	Lime Creek	V,9 T.2S.,R.8E.	p	Cu	Vein and disseminated	Hydrothermal	bn and minor cp in thin veins and local disseminations in Nikolai Greenstone	Moffit and Mertie, 1923, p. 105; MacKevett, 1976
104	Larson	V,9 T.2S.,R.8E.	p	Cu	Coating	Hydrothermal	ml coatings within a fault that cuts Nikolai Greenstone	Moffit and Mertie, 1923, p. 100; MacKevett, 1976
105	Warner	V,9 T.2S.,R.8E.	p	Cu	Vein and coating	Hydrothermal	Minor amounts of bn, cp, and ml in a brecciated qz-calc vein, about 1 m thick, that cuts Nikolai Greenstone	Moffit and Mertie, 1923, p. 104,105; MacKevett, 1976
106		V,9 T.2S.,R.8E.	p	Cu	Vein	Hydrothermal	Several py- and cp-bearing veins, less than 30 cm thick, in gabbro and felsic dikes	Moffit and Mertie, 1923, p. 100,101; MacKevett, 1976
107		V,9 T.2S.,R.8E.	0	Cu	Disseminated	Subaerial volcanogenic	Sparsely distributed native Cu and cc in amygdaloidal Nikolai Greenstone	Moffit and Mertie, 1923, p. 100; MacKevett, 1976
108	Copper King	W,9 T.1S.,R.19E.	p	Cu	Disseminated	Subaerial volcanogenic	Native Cu and its alteration products in about a 2-m-thick zone in Nikolai Greenstone	Capps, 1916a, p. 121 122; MacKevett, 1976
109	Surprise Creek	V,9 T.1S.,R.9E.	p	Cu	Vein	Hydrothermal	Several old prospects on adjoining claims near Surprise and Sunshine Creeks; mainly on cc-, bn-, and cp-bearing veins in Nikolai Greenstone and granodiorite	Moffit and Mertie, 1923, p. 108-110; MacKevett, 1976
110		V,9 T.1S.,R.9E.	0	Mo	Vein	Hydrothermal	Widely spaced qz veins that contain minor mo and cut Nikolai Greenstone	MacKevett, 1976
111	Silver Star	V,9 T.1S.,R.8E.	P	Ag(Cu,Pb,Zn)	Vein	Hydrothermal	Thin qz veins that contain argentiferous td and subordinate gn, sl, and Cu minerals; in Nikolai Greenstone near Jurassic granodiorite	Moffit and Mertie, 1923, p. 110-112; MacKevett, 1976
112	Lost Cabin Extension	V,9 T.1S.,R.8E.	p	Cu	Vein and disseminated	Hydrothermal	Sparsely distributed cc, bn, and cp in thin veins and local disseminations in Nikolai Greenstone	Moffit and Mertie, 1923, p. 112; MacKevett, 1976

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113	V,9 T.1S.,R.8E.	O	Cu(Mo)	Veinlet and disseminated	Porphyry	Numerous py- and cp-bearing qz veinlets and local disseminated sulfides in Jurassic granodiorite	MacKevett, 1976
114 Mineral Creek	V,9 T.1S.,R.8E.	P	Cu(Au,Ag)	Vein	Hydrothermal	qz veins as much as 50 cm thick that cut Permian argillite and Jurassic granodiorite; the veins contain py, cp, and minor cc; Au and Ag reported in old assays	Moffit and Mertie, 1923, p. 114,115; MacKevett, 1976
115 Good Enough	V,9 T.1S.,R.8E.	P	Cu	Vein and disseminated	Hydrothermal and subaerial volcanogenic	In Nikolai Greenstone; cc, ml, and az in veins; native Cu and cp in amygdules	Moffit and Mertie, 1923, p. 112,113; MacKevett, 1976
116 Homestake and New Home	V,9 T.1S.,R.8E.	P	Cu	Disseminated and vein	Subaerial volcanogenic and hydrothermal	Mainly amygdaloidal deposits in Nikolai Greenstone that contain native Cu, cup, and ten; minor cc, bn, and secondary Cu minerals in thin veins	Moffit and Mertie, 1923, p. 113,114; MacKevett, 1976
117 Hidden Treasure	V,9 T.1S.,R.8E.	P	Cu	Vein and disseminated	Hydrothermal and subaerial volcanogenic	bn and cc in thin veins and native Cu and cc in amygdules; all in Nikolai Greenstone	Moffit and Mertie, 1923, p. 114; MacKevett, 1976
118	V,9 T.1S.,R.8E.	O	Cu	Vein	Hydrothermal	Cu-bearing vein in fault zone that cuts Nikolai Greenstone	MacKevett, 1976
119	X,9 T.1N.,R.24E.	O	Au	Disseminated	Placer	Placer gold occurrence	MacKevett, 1976
120	X,9 T.1N.,R.19E.	P	Cu	Disseminated	Subaerial volcanogenic	Native Cu, ml, and cup in amygdules in a small isolated outcrop of Nikolai Greenstone	MacKevett, 1976
121	X,9 T.2N.,R.24E.	O	Cu	Disseminated	Hydrothermal, porphyry?	py and minor cp disseminated in argillite and gabbro	Knaebel, 1970, p. 16; MacKevett, 1976
122	X,9 T.2N.,R.24E.	O	Au	Disseminated	Placer	Placer gold occurrence	MacKevett, 1976
123 Colorado	X,9 T.2N.,R.24E.	P	Au(Cu)	Massive	Skarn?	Small outcrop of massive sulfides surrounded by surficial deposits; probably of contact-metamorphic origin; mainly po; minor cp, aspy, and Au	Moffit and Knopf, 1910, p. 59; Knaebel, 1970, p. 16; MacKevett, 1976
124	X,9 T.2N.,R.24E.	O	Cu	Disseminated and veinlet	Porphyry	py and cp disseminations and veinlets in Klein Creek pluton (Cretaceous) and in hornfels roof pendants	Knaebel, 1970, p. 16; MacKevett, 1976
125	W,9 T.2N.,R.18E.	O	Cu(Ag)	Vein	Hydrothermal	Thin cc- and bn-bearing qz veins in brecciated Tertiary felsite	MacKevett, 1976
126	W,9 T.7S.,R.16E.	P	Cu(Au)	Vein and disseminated?	Hydrothermal	Claims in Cretaceous sedimentary rocks near Tertiary plutons	U.S. Bureau of Mines, 1973
127	W,9 T.6S.,R.15E.	P	Au	Disseminated	Placer		"
128	W,9 T.6S.,R.19E.	P	Cu(Mo)	Disseminated?	Porphyry?	Lode claims in Tertiary granite and adjacent intruded Skolai Group	"
129	W,9 T.5S.,R.16E.	P	Cu	Vein	Hydrothermal	Lode claims in Nikolai Greenstone and Chitistone Limestone	"
130	V,9 T.5S.,R.12E.	P	Au	Disseminated	Placer		"

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1 Ptarmigan Creek	S,11 T.13S.,R.6E.	p	Mo(Au)	Vein, veinlet	Hydrothermal, porphyry?	mo in qz veins and veinlets in Mesozoic granite	Smith, 1942a, p. 194-195
2 Gunnysack Creek	T,11 T.16S.,R.10E.	p	Au(Sb)	Vein	Hydrothermal	qz vein as much as 6 m thick that cuts Paleozoic (or older) qz-mica schist; contains some Au and sb	Joesting, 1942, p. 12; Moffit, 1942, p. 14
3 Black Rapids	T,11 T.16S.,R.10E.	p	Sb	Vein	Hydrothermal	Thin qz veins that contain some sb; in early Paleozoic or Precambrian schist	Ebbley and Wright, 1948, p. 35-36; Moffit, 1954a, p. 207-208
4	S,11 T.19S.,R.5E.	0	Mo(Cu)	Disseminated, veinlet	Porphyry	py and subordinate cp and mo, mainly as disseminations; in small Cretaceous(?) pluton that cuts upper Mesozoic argillite	Kaufman, 1964, p. 7-8
5	S,11 T.19S.,R.5E.	P	Cu	Veinlet, disseminated	Hydrothermal?	py, cp, and secondary cu minerals mainly localized along a fault zone that juxtaposes Triassic mafic volcanic rocks and upper Mesozoic argillite; a granitic dike intrudes the fault zone	Smith, Trible, and Stein, 1972, p. 4-5
6	S,11 T.20S.,R.5E.	p	Cu	Pods, veinlet	Hydrothermal, subaerial volcanogenic	bn, cc, and secondary Cu minerals associated with qz, calc, and epid in Triassic mafic lavas	Kaufman, 1964, p. 7
7	S,11 T.19S.,R.5E.	0	Cu	Veinlet	Hydrothermal?	cp-bearing stringers in Triassic basalt and Cretaceous? granite	Kaufman, 1964, p. 7
8	S,11 T.19S.,R.5E.	0	Cu	Disseminated, veinlet	Subaerial volcanogenic	Cu-bearing zones in Triassic basalt	Saunders, 1961, p. 38
9	S,11 T.19S.,R.5E.	P	Cu,Fe	Veinlet, coating, massive	Subaerial volcanogenic?, contact metamorphic	Cu-bearing veinlets and fracture coatings in Triassic basalt; also masses of mgt near granitic plutons	Saunders, 1961, p. 39; Kaufman, 1964, p. 8, 13
10	S,11 T.19S.,R.6E.	0	Cu	Veinlet; amygdaloidal	Subaerial volcanogenic	Sparsely distributed cp, bn, cc, and ml in Triassic basalt	Kaufman, 1964, p. 8
11	S,11 T.19S.,R.6E.	0	Cu	Pod, veinlet	Subaerial volcanogenic	Small erratically distributed pods and stringers of qz and epid that carry bn and oxidized Cu minerals	Kaufman, 1964, p. 8
12	S,11 T.19S.,R.6E.	0	Cu	Vein, disseminated	Subaerial volcanogenic, hydrothermal?	cp, bn, and cc associated with qz and epid in Triassic basalt; local diorite in vicinity	Kaufman, 1964, p. 9-10
13 Kathleen-Margaret (K-M), (Maclaren)	S,11 T.19S.,R.6E.	P	Cu(Ag)	Vein	Hydrothermal	cp and bn-bearing qz veins that cut Triassic greenstone; some mafic intrusive rocks and porphyritic dikes near the property	MacKevett, 1965, p. C117-C120; Kaufman, 1964, p. 8-9; Chapman and Saunders, 1954
14	S,11 T.19S.,R.6E.	0	Fe	Massive, disseminated	Contact metamorphic	mgt-bearing skarn, largely covered	Rose, 1966a, p. 20-21
15	S,11 T.18S.,R.8E.	0	(Cr)	Vein, disseminated	Magmatic	Sparsely distributed chromite, associated with minor amounts of chrysotile and mgt, in dunite (Tertiary?)	Rose, 1966a, p. 20
16	S,11 T.18S.,R.8E.	P	Cu(Ag)	Vein	Hydrothermal	Shear zone in upper Paleozoic dacite agglomerate; contains py, cp, and ml	Rose, 1966a, p. 20
17	S,11 T.18S.,R.8E.	p	(Zn,Pb,Cu, asbestos)	Gossan	Supergene	Limonitic gossan in an area of upper Paleozoic slate; contains minor anomalous amounts of Zn, Pb and Cu; some chrysotile asbestos in nearby ultramafic rocks	Rose, 1966a, p. 20

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
18	S,11 T.18S.,R.9E.	O	Ni,Cu	Lens, pod	Magmatic	po, pentlandite, and cp in peridotite	Rose, 1965b, p. 31, 33
19	S,11 T.18S.,R.9E.	O	Ni,Cu	Lens, pod	Magmatic	po, pentlandite, and cp in peridotite and serpentinite	Rose, 1965b, p. 33
20 Green Wonder	S,11 Tps.18,19S.,R.9E.	P	Zn(Ni,Cr,Cu)	Disseminated	Metamorphic?	Narrow zone of qz-silicate rock that contains sl, py and anomalous amounts of Cr and Ni; within amphibolitic serpentinite; also cp in a nearby inclusion of limestone in serpentinite	Rose, 1965b, p. 29, 33
21	S,11 Tps.18,19S.,R.9E.	O	Cu(Ag)	Veinlet, coating, disseminated	Metamorphic? hydrothermal?	cp and secondary Cu minerals in amphibolitic serpentinite and upper Paleozoic volcanic rocks	Rose, 1965b, p. 29-30, 33
22	S,11 T.18S.,R.9E.	O	Cu(Fe)	Massive, disseminated	Contact metamorphic	Tactite (skarn) zone in upper Paleozoic carbonate rocks that contains mgt, cp, and py	Rose, 1965b, p. 30, 33
23 Eastern Star, Moneta-Porcupine Mining Co.,	T,11 T.18S.,R.9E.	P	Cu(Ag)	Massive, disseminated	Magmatic, contact metamorphic	Small pods, lenses and disseminations in amphibolitic serpentinite or in tactite within the serpentinite, contain cp, po, py, and ms	Rose, 1965b, p. 27-28
24	T,11 T.19S.,R.9E.	O	Ni,Cu(Ag)	Massive, disseminated	Magmatic, contact metamorphic	Small lens of ms, cp, minor py, and probably pentlandite in amphibolitic serpentinite; also disseminated po, py, and cp in tactite within the serpentinite	Rose, 1965b, p. 28-29
25	T,11 T.19S.,R.9E.	O	Cu	Coating, disseminated	Contact metamorphic	Cu-stained py-bearing tactite adjacent to a gabbro dike	Rose, 1965b, p. 28
26	T,11 T.18S.,R.9E.	O	Cu	Vein	Hydrothermal	Cp and secondary Cu minerals in shear zone that cuts upper Paleozoic? dacite porphyry	Rose, 1965b, p. 30
27	T,11 T.19S.,R.10E.	p	Cu(Au)	Disseminated	Contact metamorphic	Minor cp and po in tactite and adjacent diorite	Brooks, 1917, p. 43-44
28 Bee Mining Co	T,11 T.18S.,R.10E.	P	Ni,Cu(Ag)	Massive, disseminated	Magmatic	Small sulfide lens and disseminations in gabbro and, less abundantly, in serpentinite; the lenses are composed of po and lesser amounts of cp, pentlandite, and py	Rose, 1965b, p. 25-26, 32-33
29	T,11 T.18S.,R.11E.	P	Cu,Ni(Au,Pb)	Disseminated, Vein	Magmatic, hydrothermal, fossil placer	Several deposit types represented in vicinity, including: (1) Ni-Cu deposits associated with ultramafic dikes and serpentinite, (2) thin qz veins that carry cp and minor gn, and (3) a mineralized upper Paleozoic conglomerate that contains py, minor cp, and some Au	Hanson, 1963, p. 67-71
30	T,11 T.18S.,R.11E.	p	Cu(Ag)	Vein, disseminated	Hydrothermal, submarine volcanogenic	Thin cp, py and gn-bearing qz veins that cut upper Paleozoic sedimentary rocks; disseminations in upper Paleozoic volcanic rocks that contain py and minor cp	Hanson, 1963, p. 67-70
31	T,11 T.19S.,R.11E.	p	Cu	Vein, disseminated	Hydrothermal, submarine volcanogenic	Thin py, cp-bearing qz veins and local disseminations in upper Paleozoic rocks	Hanson, 1963, p. 67-70
32	T,11 T.19S.,R.11E.	O	Cu(Ag)	Vein	Hydrothermal	Sparingly mineralized cp-bearing qz veins along faults in upper Paleozoic rocks	Hanson, 1963, p. 67-70
33	T,11 T.19S.,R.11E.	O	Cu	Vein, disseminated	Hydrothermal, submarine volcanogenic	Small, irregular qz veins in upper Paleozoic rocks that contain py and minor cp and gn; local disseminated sulfides in nearby volcanic rocks	Hanson, 1963, p. 67-70

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
34	T.11 T.19S.,R.11E.	O	Cu	Disseminated	Porphyry	Disseminated py and cp in silicified Mesozoic? granodiorite	Hanson, 1963, p. 73
35 Glacier Lake	T.11 T.18S.,R.11E.	P	Ni,Cu(asbestos)	Massive, disseminated	Magmatic	Sulfide lenses and disseminations associated with ultramafic dikes and silicified diorite; some veinlets of chrysolite in nearby dunite	Hanson, 1963, p. 71-73 Rose, 1965b, p. 25
36 McCumber Creek	T.11 T.14S.,R.12E.	O	(Pb)	Vein	Hydrothermal	gn in qz stringers that cut Paleozoic schist	Moffit, 942, p. 144
37	T.11 T.21S.,R.11E.	P	Cu(Ag)	Veinlet, amygdules	Hydrothermal, subaerial volcanogenic	Sparsely distributed bn, cp, and cc associated with qz, epid and prehnite in Triassic basalt--Nikolai Greenstone equivalent	Rose and Saunders, 1965, p. 12, 31, 35
38	T.11 T.21S.,R.11E.	p	Cu	Veinlet, amygdule	Hydrothermal, subaerial volcanogenic	Veinlets an amygdules that contain bn and secondary Cu minerals; in Triassic basalt	Rose and Saunders, 1965, p. 12, 31
39	T.11 T.21S.,R.11E.	O	Cu	Veinlet, disseminated	Hydrothermal, subaerial volcanogenic	chrys in a small pod of altered Triassic basalt	Rose and Saunders, 1965, p. 11, 31
40	T.11 T.22S.,R.11E.	O	Cu	Veinlet, amygdule	Hydrothermal, subaerial volcanogenic	bn, cp, and chrys in veinlets and amygdules in epidotized Triassic basalt	Rose and Saunders, 1965, p. 10, 11, 31
41	T.11 T.22S.,R.11E.	O	Cu	Veinlet, pod	Hydrothermal, subaerial volcanogenic	py, cp, bn and secondary Cu minerals in qz-epid veinlets and small, vuggy pods in Triassic basalt	Rose and Saunders, 1965, p. 11, 31
42	T.11 T.19S.,R.14E.	O	Cu	Disseminated	Metamorphic?	po, py, mgt and traces of cp disseminated in upper Paleozoic amphibolite and hornblendite	Rose, 1967b, p. 19
43	T.11 T.20S.,R.14E.	O	Ag(Pb)	Vein	Hydrothermal	Argentiferous gn-bearing qz-carbonate vein in Pennsylvanian volcanics	Rose, 1967b, p. 20
44	U.11 T.20S.,R.14E.	p,O	Cu	Vein, pod, disseminated	Hydrothermal, contact metamorphic	Two nearby deposits: (1) a thin py, cp, qz vein in Pennsylvanian volcanics; (2) py-cp-mgt pods in Pennsylvanian volcanics near contact with Mesozoic granite	Rose, 1967b, p. 20
45	U.11 T.20S.,Rs.14,15E.	O	Fe	Layered (banded)	Submarine volcanogenic?	Banded zone about 5 m thick in Pennsylvanian volcanic rocks; contains hem and some mgt	Rose, 1967b, p. 21
46	U.11 T.20S.,R.15E.	O	(Ag)	Vein, disseminated	Hydrothermal, metamorphic	Traces of Ag in upper Paleozoic amphibolite and in nearby sulfide-bearing qz veins	Rose, 1967b, p. 21
47	U.11 T.20S.,R.15E.	O	Cu	Disseminated	Contact metamorphic	Pyritized zone at contact between peridotite and Mesozoic granite; contains some disseminated cp	Rose, 1967b, p. 22
48	U.11 T.20S.,R.15E.	O	Cu	Disseminated	Submarine volcanogenic	Disseminated sulfides, including minor cp, in Pennsylvanian volcanic rocks, chiefly andesite and dacite	Rose, 1967b, p. 22
49	U.11 T.20S.,R.15E.	O	Cu	Vein	Hydrothermal?	Minor cp and secondary Cu minerals associated with epid in Mesozoic? gabbro	Rose, 1967b, p. 22
50	U.11 T.20S.,R.15E.	O	Cu(Ag)	Disseminated	Submarine volcanogenic?	Mineralized zone 1 to 5 m thick in Pennsylvanian andestic rocks; contains cp associated with hem, qz, chl and epid	Rose, 1967b, p. 22
51 Northland Mines	U.11 T.20S.,R.15E.	P	Cu	Massive?, disseminated	Contact metamorphic	cp in silicated limestone; near Mesozoic diorite	Rose, 1967b, p. 23

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
52	U,11 T.15N.,R.5E.	O	Cu	Massive, disseminated	Volcanogenic	Massive po band, as much as 3 m thick, in Mesozoic basalt; contains some cp	Richter, 1967a, p. 17-18
53 Gillett Pass	U,11 T.15N.,R.6E.	O	Cr	Disseminated, massive	Magmatic	Low-grade disseminations and small segregations of chromite in dunite	Richter, 1967a, p. 18
54 Alteration Creek	U,11 T.14N.,R.6E.	O	Cu	Veinlet	Volcanogenic	cp and secondary Cu minerals in qz veinlets in altered Mesozoic basalt; masked by a large alteration zone	Richter, 1967a,
55 Ober Creek	T,11 T.14S.,R.10E.	P	Au	Disseminated	Placer		Wedow, Killeen, and others, 1954, p. 18
56 McCumber Creek	T,11 T.14S.,R.11E.	P	Au	Disseminated	Placer		Moffit, 1942, p. 143-144
57 Morningstar Creek	T,11 T.14S.,R.11E.	P	Au	Disseminated	Placer		Smith, 1933a, p. 34
58 Broxon Gulch	S,11 T.18S.,R.9E.	M	Au	Disseminated	Placer		Rose, 1965b, p. 35
59 Specimen Creek	S,11 T.18S.,R.9E.	P	Au	Disseminated	Placer		Rose, 1965b, p. 35
60 West Fork Rainy Creek	T,11 T.19S.,R.9E.	P	Au	Disseminated	Placer		Rose, 1965b, p. 34
61 Rainy Creek	T,11 T.19S.,R.10E.	M	Au	Disseminated	Placer	Stream placers, in part derived from reworking glacial drift	Rose, 1965b, p. 34
62 Delta River	T,11 T.20S.,R.10E.	P	Au	Disseminated	Placer		Moffit, 1912, p. 65
63 Yukon Corp.	T,11 T.18S.,R.10E.	P	Au	Disseminated	Placer		Wedow, Killeen, and others, 1954, p. 18
64 Chistochina Glacier	U,11 T.20S.,R.15E.	M	Au(Pt)	Disseminated	Placer	Au apparently derived from young glacial deposits	Rose, 1967b, p. 26
65 Slate Creek, Miller Gulch	U,11 T.20S.,R.14E.	M	Au(Pt)	Disseminated	Placer	Channel and bench placers, derived in part from auriferous Tertiary conglomerate, which, in turn, had multiple Au sources; largest producers in region with production valued at about 3 million dollars (old Au prices); initially mined in 1898	Rose, 1967b, p. 23-25; Moffit, 1954a, p. 191-193
66 Big Four Creek	U,11 T.20S.,R.15E.	M	Au	Disseminated	Placer	Au-bearing stream gravels largely derived from Tertiary conglomerate	Rose, 1967b, p. 25-26
67 Ruby Gulch, Quartz Creek	U,11 T.20S.,Rs.15,16E.	M	Au	Disseminated	Placer		Moffit, 1954a, p. 191-192; Rose, 1967b, p. 26
68 Middle Fork Chistochina River (includes Bedrock, Kramer, and Limestone Creek placers)	U,11 Tps.20,21S.,R.16E.	M	Au(Pt,Cu)	Disseminated	Placer	Intermittently worked for many years; includes stream and bench placers	Moffit, 1944, p. 34-40
69 Dempsey	U,11 T.22S.,R.15E.	P	Au	Disseminated	Placer	Bench gravels that carry fine gold	Moffit, 1912, p. 77
70 Chisna River	U,11 T.21S.,R.15E.	M	Au	Disseminated	Placer	Stream and bench placers discovered in 1898	Moffit, 1944, p. 29-31
71 Eagle Creek	U,11 T.14N.,R.5E.	M	Au(Cu,Pt)	Disseminated	Placer	Intermittently worked since the early 1900's	Moffit, 1944, p. 40-42
72	U,11 T.14N.,R.6E.	M	Au	Disseminated	Placer		Richter, 1967a, p. 16

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73	U,11 T.19S.,R.16E.	p	Au	Vein	Hydrothermal	Lode claims for Au, probably on qz veins in Paleozoic or older schist	U.S. Bureau of Mines, 1973
74	U,11 T.18S.,R.16E.	p	Au	Disseminated	Placer	Placer Au claims	"
75	U,11 T.21S.,R.15E.	p	Au	Disseminated	Placer	Placer Au claims	"
76	S,11 T.19S.,R.6E.	p	Au	Disseminated	Placer	Placer Au claims	"
77	U,11 T.20S.,R.16E.	M	Au	Disseminated	Placer	Placer Au workings	"
78	U,11 T.18S.,R.16E.	p	Au	Vein	Hydrothermal	Probably small Au-bearing qz veins in Paleozoic or older schist	"
79	T,11 T.18S.,R.10E.	p	Au	Disseminated	Placer	Placer Au claims	"
80	S,11 T.19S.,R.7E.	p	Cu	Veinlet?	Subaerial volcanogenic?	Cu minerals in Triassic basalt	"
81	T,11 T.15S.,R.11E.	p	Cu	Disseminated?	Metamorphic or submarine volcanogenic	Cu claims in Paleozoic? schist	"
82	U,11 T.14N.,R.7E.	p	Au	Disseminated	Placer	Placer Au claims	"
83	S,11 T.13S.,R.6E.	p	Au	Disseminated	Placer	Placer Au claims	"
84	T,11 T.21S.,R.11E.	p	Cu	Veinlet?	Subaerial volcanogenic?	Lode claims in Triassic basalt	"
85	T,11 Tps.18,19S.,R.10E.	p	Au	Disseminated	Placer	Placer Au claims	"
86	T,11 Tps.18,19S.,Rs.10,11E.	p	Au	Vein?	Hydrothermal?	Lode Au claims; probably on qz veins in upper Paleozoic rocks	"
87	S,11 Tps.18,19S.,R.6E.	p	Cu	Veinlet, disseminated	Subaerial volcanogenic, hydrothermal	Cu claims in Triassic basalt and Mesozoic argillite; near a Mesozoic granitic pluton	"
88	T,11 T.19S.,R.9E.	p	Au	Disseminated	Placer	Placer Au claim	"
89	U,11 T.16N., R.6E.	p	Au	Vein?	Hydrothermal	Au lode claim; probably on qz veins in Paleozoic? schist	"
90	T,11 T.20S.,R.11E.	p	Au	Disseminated	Placer	Placer Au claims	"
91	T,11 T.20S.,R.11E.	p	Au			Lode Au claims	"
92	T,11 T.19S.,R.10E.	p	Cu			Cu lode claim; probably in gabbro that cuts Permian sedimentary rocks	"
93	S,11 T.19S.,R.5E.	p	Cu	Veinlet?	Subaerial volcanogenic	Cu claims in Triassic basalt	"
94	U,11 T.14N.,R.7E.	p	Au	Disseminated	Placer	Placer Au claims	"
95	T,11 T.14S.,R.10E.	p	Au	Disseminated	Placer	Placer Au claims	"
96	S,11 T.20S.,R.4E.	p	U			Lode claims for U in a terrane dominated by Mesozoic argillite	"
97	T,11 T.20S.,R.12E.	p	Au	Disseminated	Placer	Placer Au claims	"
98	T,11 T.20S.,R.12E.	p	Au	Disseminated	Placer	Placer Au claims	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
99	U,11 T.22N.,R.6E.	p	Ag(Pb)	Vein?	Hydrothermal?	Lode claims; probably on qz veins in granite	U.S. Bureau of Mines, 1973
100	U,11 T.15S.,R.14E.	p	Au	Disseminated	Placer	Placer Au claims	"
101	T,U11 T.20S.,R.11E.	p	Au	Disseminated	Placer	Placer Au claims	"
102	S,U11 T.20S.,R.4E.	p	Cu	Veinlet?	Subaerial volcanogenic?	Cu claims in Triassic basalt	"
103	S,11 T.19S.,R.6E.	p	Cu		Subaerial volcanogenic?	Cu claims in Triassic basalt	"
104	S,11 T.20S.,R.7E.	p	Cu		Subaerial volcanogenic?	Cu claims in Triassic basalt	"
105	S,11 T.20S.,Rs.6,7E.	p	Cu		Subaerial volcanogenic?	Numerous Cu claims in Triassic basalt	"
106	S,11 T.19S.,R.8E.	p	Au	Disseminated	Placer		"
107	T,11 T.20S.,R.14E.	p	Au	Disseminated	Placer	Placer Au claims	"
108	U,11 T.14N.,R.7E.	p	Au	Disseminated	Placer	Placer Au claims	"
109	T,11 T.22S.,Rs.12,13E.	p	Au	Disseminated	Placer	Placer Au claims	"
110	T,11 T.21S.,R.10E.	p	Cu		Subaerial volcanogenic?	Cu claims in Triassic basalt	"
111	T,11 T.21S.,R.12E.	p	Au	Vein?	Hydrothermal	Au lode claims; probably in Triassic basalt	"
112	U,11 T.21S.,R.16E.	p	Cu			Lode claims for Cu; probably in upper Paleozoic volcanic rocks	"
113	U,11 T.20S.,R.16E.	P	Cu		Volcanogenic or metamorphic	Lode claims for Cu; probably in Paleozoic schist	"
114	U,11 T.20S.,R.16E.	p	Cu		Volcanogenic or metamorphic	Lode claims for Cu; probably in Paleozoic schist	"
115	T,11 T.20S.,Rs.13,14E.	P	Au	Disseminated	Placer	Placer Au claims	"
116	T,11 T.20S.,R.12E.	p	Au	Disseminated	Placer	Placer Au claims	"
117	S,11 T.20S.,R.4E.	P	Cu		Subaerial volcanogenic?	Lode claims for Cu in Triassic basalt	"
118	S,11 T.19S.,R.7E.	P	Cu		Subaerial volcanogenic?	Lode claims for Cu in Triassic basalt	"
119	S,11 T.19S.,R.7E.	P	Cu		Subaerial volcanogenic?	Lode claims for Cu in Triassic basalt	"
120	S,11 T.19S.,R.7E.	P	Cu	Veinlet?, disseminated?	Porphyry?	Claims in Mesozoic quartz monzonite; probably a porphyry Cu deposit	"
121	S,11 T.19S.,R.8E.	P	Cu	Disseminated?	Volcanogenic?	Cu claims in upper Paleozoic volcanic rocks	"
122	T,11 T.19S.,R.10E.	P	Au	Disseminated	Placer	Placer Au claims	"
123	T,11 T.19S.,R.12E.	p	Au			Lode Au claim	"
124	T,11 T.19S.,R.12E.	P	Au	Disseminated	Placer	Placer Au claims	"
125	T,11 T.19S.,R.12E.	P	Au			Au lode claims; probably in Tertiary sedimentary rocks	"
126	T,11 T.19S.,R.12E.	p	Au			Au lode claims; probably in Tertiary sedimentary rocks	"
127	U,11 T.17N.,R.6E.	p	Au	Vein?	Hydrothermal?	Au lode claims; probably on qz veins in Paleozoic schist	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
128	T,11 T.16S.,R.10E.	p	Au	Vein?	Hydrothermal?	Lode claims; probably on qz veins in Paleozoic schist	U.S. Bureau of Mines, 1973
129	U,11 T.15S.,R.15E.	P	Au	Disseminated	Placer	Placer Au claims	"
130	T,11 T.15S.,R.10E.	P	Au	Disseminated	Placer	Placer Au claims	"
131	T,11 T.15S.,R.10E.	P	Au	Disseminated	Placer	Placer Au claims	"
132	T,11 T.14S.,R.11E.	p	Au	Disseminated	Placer	Placer Au claims	"
133	U,11 T.14S.,R.16E.	P	Au?,Cu?			Lode claims in Paleozoic or older schist terrane	"
134	U,11 T.22N.,R.7E.	P	Au?			Lode claims	"

MT. MC KINLEY QUADRANGLE - (approximate eastern five sixth)
(latitude, 63°-64°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Slate Creek (Taylor)	N,11 T.16S.,R.18W.	M	Sb	Vein, Stockwork	Hydrothermal	qz veins as much as 6 m thick and stockworks in early Paleozoic or Precambrian "Birch Creek" Schist; the veins are rich in sb and also contain aspy, py, sulfosalts, and secondary Sb minerals; produced about 800,000 pounds of Sb	Capps, 1919d, p. 107-108; Ebbley and Wright, 1948, p. 20-22; Bundtzen and others, 1977; p. 27-28
2 Bonnell (Neversweat)	N,11 T.16S.,R.18W.	P	Pb,Ag(Cu,Au, Zn, Sb)	Vein, disseminated	Hydrothermal	Polymetallic vein near contact between Tertiary quartz porphyry and old schist; also disseminations in the qz porphyry; the deposits contain an array of metal-bearing minerals, including sulfosalts	Wells, 1933, p. 376 Morrison, 1964, p. 97-98; Bundtzen and others, 1972, p. 28
3 Alpha	N,11 T.16S.,R.18W.	M	Ag,Pb(Sb,Zn, Au,Cu)	Vein	Hydrothermal	qz-siderite vein as much as 1 m thick that cuts "Birch Creek" schist; the vein is mineralogically complex and contains gn, sb, sl, py, aspy, and several sulfosalts	Wells, 1933, p. 354, 375-376; Bundtzen and others 1977, p. 29
4 Frances, Lucky Strike	O,11 T.16S.,R.18W.	P,O	Ag(Au,Zn)	Vein	Hydrothermal	Several prospects and occurences, mainly on qz veins that cut schist and marble	Morrison, 1964, p. 98-99; Wells, 1933, p. 368; Davis, 1923, p. 124; Bundtzen and others, 1977, p. 30
5 Sulphide, Water Level	O,11 T.16S.,R.18W.	p	Ag(Au,Pb)	Vein	Hydrothermal	gn-bearing qz-py-siderite veins that cut "Birch Creek" rocks	Davis, 1923, p. 130
6 Hillside (Silver King), Red Top, Galena, Little Maud, Martha Q, North Star, Silver Pick	O,11 T.16S.,R.18W.	M, P	Ag(Au,Pb,Cu, Zn, Sb)	Vein	Hydrothermal	Polymetallic qz-siderite veins, typically less than 3 m thick, that cut "Birch Creek" rocks; the veins contain gn, aspy, py, sl, cp, and several sulfosalts	Davis, 1923, p. 121-125; Wells, 1933, p. 361-364, 368-369; Capps, 1919d, p. 105-106; Stewart, 1921, p. 13; Bundtzen and others, 1977, p. 30-31
7 Gold Dollar, Golden (Gold) Eagle, Little Annie, Polly Wonder	O,11 T.16S.,R.18W.	M	Ag(Au,Pb,Zn, Cu, Sb)	Vein	Hydrothermal	Ag-rich qz-siderite veins that cut "Birch Creek" rocks; the veins contain py, gn, aspy, sl, and an array of sulfosalts	Davis, 1923, p. 125-129; Wells, 1933, p. 355-356, 364-367; Capps, 1919d, p. 103-104; Bundtzen and others, 1977, p. 31-32
8 Florence and unnamed occurrence	O,11 T.16S.,Rs.17,18W.	p,O	Ag(Au,Pb)	Vein	Hydrothermal	gn and sulfosalt-bearing qz veins that cut "Birch Creek" terrane	Morrison, 1964, p. 100-101; Wells, 1933, p. 371; Bundtzen and others 1977, p. 32
9 Gold King, Keystone, Pennsylvania	O,11 T.16S.,R.17W.	p	Au(Ag,Pb,Zn,W)	Vein	Hydrothermal	qz veins, generally about 1 m thick, that cut "Birch Creek" rocks; the veins typically contain py and aspy and lesser amounts of gn, sl, and sch	Capps, 1919d, p. 103; Davis, 1923, p. 129-130; Bundtzen and others, 1977, p. 32
10 Banjo, Eureka (Damon and Pythias) (Merry Widow)	O,11 T.16S.,R.17W.	M	Au,Ag(Pb,Zn,W)	Vein	Hydrothermal	Extensive qz vein system that cuts "Birch Creek" rocks; the veins contain Au, aspy, py, and minor amounts of other metallic minerals and sch; largest lode producer in Kantishna district with a production of about 6,260 ounces of gold and 7,113 ounces of silver	Wells, 1933, p. 370-371; Bundtzen and others, 1977, p. 33

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
11 Bosart	O,11 T.15S.,R.17W.	P	Ag(Au,Pb,Zn)	Vein	Hydrothermal	qz-siderite vein that contains gn, sl and sulfosalts; rich in Ag, cuts "Birch Creek" rocks	Wells, 1933, p. 371-372; Bundzten and others, 1977, p. 33
12 Weller and unnamed occurrences	O,11 T.16S.,R.17W.	P,O	Ag,Au(Pb,Zn)	Vein	Hydrothermal	py-qz veins that contain gn, sl, and sulfosalts and cut "Birch Creek" rocks	Bundtzen and others, 1977, p. 34
13 McGonagall (McGonogill), Glen (Swisher)	O,11 T.16S.,R.17W.	M	Au(Ag,Pb,Zn)	Vein	Hydrothermal	aspy-py bearing qz veins that contain minor gn, sl, and sulfosalts; cut "Birch Creek" rocks	Davis, 1923, p. 131-132; Wells, 1933, p. 372-373; Bundtzen and others, 1977, p. 35
14 Glen Creek divide	O,11 T.15S.,R.17W.	p	Ag(Au,Pb)	Vein	Hydrothermal	qz veins that cut "Birch Creek" rocks and contain aspy, py, minor gn and sulfosalts	Bundtzen and others, 1977, p. 35, Wells, 1933, p. 373
15 Arkansas, Glen Ridge No. 1, Pension, Humboldt	O,11 T.15S.,R.17W.	p,M	Ag,Au(Pb,Zn,Sb)	Vein	Hydrothermal	qz veins that cut "Birch Creek" rocks and contain aspy, sulfosalts, gn, and sl; the Humboldt produced a little Au	Davis, 1923, p. 132; Wells, 1933, p. 373; Bundtzen and others, p. 35-36, Capps, 1919d, p. 99
16 Lloyd	O,11 T.16S.,R.16W.	p	Cu(Au,Zn)	Disseminated	Possibly submarine volcanogenic, hydrothermal	Disseminated sulfides, including cp and sl, and mgt in a quartzite band as much as 2 m thick within "Birch Creek" schist; some aspy-bearing qz veins nearby	Capps, 1919d, p. 99; Bundtzen and others, 1977, p. 36
17 Lena, Lucky Jim, Mystery, North Star, Ridgetop, Silver Wire	O,11 T.15S.,R.16W.	P	Ag(Au,Pb,Cu)	Vein	Hydrothermal	qz veins, generally less than 2 m thick, that cut "Birch Creek" terrane; the veins contain py, gn, and sulfosalts	Davis, 1923, p. 132; Wells, 1933, p. 375; Bundtzen and others, 1977, p. 37
18	N,11 T.16S.,R.18W.	p	Sb	Vein	Hydrothermal	sb-qz vein cutting "Birch Creek" schist	Bundtzen and others, 1977, p. 28
19 Eagles Nest	N,11 T.16S.,R.18W.	P	Sb	Vein	Hydrothermal	qz-sb vein with massive sb as much as 1 m thick; cuts "Birch Creek" rocks, other sb veins nearby	Bundtzen and others, 1977, p. 29
20 Home Lode	O,11 T.15S.,R.17W.	p	Sb	Vein	Hydrothermal	qz-sb vein in qz-muscovite schist	Wells, 1933, p. 377
21 Caribou (Last Chance)	O,11 T.15S.,R.17W.	M	Sb(Au,Ag)	Vein	Hydrothermal	sb-bearing qz vein that cuts "Birch Creek" rocks; contains sb, po, py, Au, and sulfosalts	Capps, 1919d, p. 108; Wells, 1933, p. 377-378; Bundtzen and others, 1977, p. 36
22	O,11 T.15S.,R.16W.	P	Sb(Au,Pb,Zn)	Vein	Hydrothermal	qz vein cutting "Birch Creek" rocks; the vein contains sb, gn, and sl; some limonitic gossans in vicinity	Bundtzen and others, 1977, p. 37
23	O,11 T.15S.,R.16W.	O	Cu(Ag,Pb)	Disseminated, Vein	Submarine volcanogenic, hydrothermal	Two deposit types represented in vicinity: (1) disseminated py and cp in mafic volcanic schist; (2) swarm of py-qz veins that contain minor gn; all in "Birch Creek" terrane	Bundtzen and others, 1977, p. 37-38
24	O,11 T.14S.,R.15W.	O	Cu	Disseminated	Magmatic	Disseminated sulfides, including cp, in a swarm of Tertiary gabbro dikes	Bundtzen and others, 1977, p. 38
25	O,11 T.14S.,R.15W.	O	Sb	Vein	Hydrothermal	sb-rich gash veins in schist	Bundtzen and others, 1977, p. 38
26 Stampede	O,11 Tps.13,14S.,R.15W.	M	Sb(Au,Zn)	Vein	Hydrothermal	Large sb-qz veins in "Birch Creek" schist; contain some Au, sl, py, and po; probably Alaska's premier Sb producer with a production of 1,729 tons of Sb; good resources potential	White, 1942, p. 332-348; Barker, 1963; Bundtzen and others, 1977, p. 38

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
27	0,11 T.14S.,R.15W.	0	Cu	Vein	Hydrothermal	Thin qz vein that contains cp and py and cuts graphitic schist	Bundtzen and others, 1977, p. 38
28 Upper Ridge	0,11 T.13S.,R.15W.	M	Sb	Vein	Hydrothermal	Swarm of qz veins that cut "Birch Creek" schist and contain py and sb	Bundtzen and others, 1977, p. 39
29 "Little Caribou"	0,11 T.13S.,R.15W.	p	Cu(Ag,Zn)	Massive, disseminated	Contact metamorphic, submarine volcanogenic	Skarn that contains py, cp, mgt, hem, and sl; a nearby deposit has disseminated sulfides, including minor cp, in "Birch Creek" schist	Bundtzen and others, 1977, p. 39
30	0,11 T.11S.,R.15W.	0	Zn(Ag)	Massive, disseminated	Submarine volcanogenic	Extensive mineralized zone in metavolcanic rocks of Totatlanika Schist (Devonian or Mississippian); contains abundant py and lesser amounts of sl	Bundtzen and others, 1977, p. 39
31	0,11 T.11S.,R.15W.	0	Zn(Ag)	Massive, disseminated	Submarine volcanogenic	Large mineralized zones similar to (30); marked by well developed gossan	Bundtzen and others, 1977, p. 40
32	0,11 T.11S.,R.14W.	0	Cu(Pb,Ag)	Vein	Hydrothermal	cp-gn-bearing qz veins in metarhyolite of Totatlanika Schist	Bundtzen and others, 1977, p. 40
33	0,11 T.11S.,R.14W.	0	Pb,Zn	Vein	Hydrothermal	gn-sl-bearing veins in Totatlanika Schist	Bundtzen and others, 1977, p. 40
34	0,11 T.11S.,R.14W.	0	Cu(Ag)	Disseminated	Submarine volcanogenic	Gossan zone composed of py, limon, and minor cp; in metavolcanic rocks of Totatlanika Schist	Bundtzen and others, 1977, p. 40
35	0,11 T.11S.,R.14W.	0	Pb(Ag,Zn,Cu)	Disseminated, vein	Submarine volcanogenic, hydrothermal	Large silicified gossan in metavolcanic rocks of Totatlanika Schist; contains gn, py, sl, and secondary Fe minerals; sulfide and barite-bearing qz veins nearby	Bundtzen and others, 1977, p. 40
36 Straightaway Glacier	N,11 T.21S.,R.20W.	p	Sb	Vein?	Hydrothermal?	Probably sb-bearing veins in Paleozoic sedimentary and volcanic rocks	Moffit, 1933b, p. 314
Stibner	N,11 T.20S.,R.19W.	p	Sb	Vein	Hydrothermal	Small sb-bearing veins in a fault zone that cuts mafic igneous rocks	Moffit, 1933b, p. 314
38 Merinser	N,11 T.20S.,R.19W.	p	Sb,Hg	Vein	Hydrothermal	Small sb and cn veins in Paleozoic sedimentary and volcanic rocks near Tertiary felsic dikes	Moffit, 1933b, p. 313-314, 321-322
39 Question Mark	N,11 T.20S.,R.19W.	p	Cu	Disseminated	Magmatic?	Small mafic dike that cuts Paleozoic strata and carries some native Cu and cup	Moffit, 1933b, p. 321
40 Terminus, Greenback	N,11 T.20S.,R.19W.	p	Cu(Pb,Zn)	Disseminated	Contact metamorphic	Disseminated po, cp, Mn oxides, sl, and gn in garnet-bearing Paleozoic rocks near contact with mafic Tertiary dikes	Moffit, 1933b, p. 319-320
41 Magnet, Old Sourdough	N,11 T.20S.,R.19W.	p	Cu(Zn,Pb)	Massive, disseminated	Contact metamorphic	po and lesser amounts of cp, sl, gn and secondary Cu minerals in metamorphosed Paleozoic rocks near contacts with a Tertiary felsic pluton	Moffit, 1933b, p. 320-321
42 Copper Lode	0,11 T.19S.,R.17W.	p	Cu	Massive, disseminated		Lenses of dark, fine-grained rock that carry po, cp, and secondary Cu minerals	Moffit, 1933b, p. 322
43 Galena Lode	0,11 T.19S.,R.17W.	p	Pb(Zn)	Vein	Hydrothermal	Small qz veins that contain py, gn, and sl and cut dark schist of Paleozoic age, near Tertiary plutons	Moffit, 1933b, p. 322-323
44 Twin Hills	0,11 T.18S.,R.15W.	p	Cu(Au,Ag,Zn, Pb,Fe)	Vein, massive	Hydrothermal, metamorphic	Veins and breccia fillings in a region of Paleozoic metamorphic rocks intruded by Tertiary plutons; the deposits contain cp, po, mgt, sl, and a little gn; [illegible] replacement deposits nearby	Moffit, 1933b, p. 323-324

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
45 Carlson and Averil	O,11 T.18S.,R.15W.	P	Cu(Pb,Ag)	Vein?	Hydrothermal?	Poorly documented; probably vein deposits in Paleozoic rocks near Tertiary plutons	Capps, 1927, p. 108
46 Mount Eielson	O,11 Tps.17,18S.,Rs.14, 15W.	P	Zn(Ag,Pb,Cu)	Massive, disseminated, vein	Metamorphic replacement, hydrothermal	Several prospects, mainly replacement deposits in Paleozoic limey rocks near Tertiary granitic plutons; the deposits consist chiefly of sl, gn and some secondary Cu minerals in a gangue rich in epidote group minerals; some veins in area; chiefly in the granite	Reed, 1933; Gates and Wahrhaftig, 1944
47 Highway, Thorofare Creek	O,11 T.18S.,R.14W.	P	Zn(Pb,Ag)	Disseminated	Metamorphic replacement	sl and gn in limey Paleozoic rocks near Tertiary plutons	Reed, 1933, p. 284; Capps, 1927, p. 108
48 Moose Creek	N,11 T.15S.,R.18W.	M	Au	Disseminated	Placer	Intermittently active placer workings	Prindle, 1907, p. 217
49 El Dorado Creek	N-O,11 T.16S.,R.18W.	M	Au	Disseminated	Placer	Site of old, small-scale placer operation	Capps, 1919d, p. 88
50 Moose Creek, Friday Creek	O,11 T.16S.,R.18W.	M	Au(Ag)	Disseminated	Placer	Several placer mines in vicinity	Capps, 1919d, p. 87-89; Brooks and Capps, 1924, p. 41; Bundtzen and others, 1977, p. 13-14
51 Eureka Creek	O,11 T.16S.,Rs.17,18W.	M	Au(Ag)	Disseminated	Placer	Important placer Au deposits; in "Birch Creek" terrane, like other Au placers in district	Capps, 1919d, p. 85-87; Bundtzen and others, 1977
52 Lower Caribou Creek	O,11 Tps. 14,15S.,Rs.17 18W.	M	Au	Disseminated	Placer	Site of recent sluicing operations	Bundtzen and others, 1977, p. 14
53 Upper Caribou Creek and Crevice Creek	O,11 T.15S.,Rs.16-17W.	M	Au(Ag)	Disseminated	Placer	Coarse Au in stream and bench placers	Prindle 1907 p. 218-219; Capps, 1919d, p. 92-93
54 Glacier Creek Twenty-two Gulch	O,11 T.15S.,R.17W.	M	Au(Ag)	Disseminated	Placer	Stream and bench placers	Capps, 1919d, p. 90-92; Wells, 1933, p. 371; Bundtzen and others, 1977, p. 13-14
55 Yellow Creek	O,11 Tps.14,15S.,R.17W.	M	Au	Disseminated	Placer	Stream placers	Wells, 1933, p. 371; Bundtzen and others, 1971, p. 14
56 Glen Creek	O,11 T.16S.,R.16W.	M	Au	Disseminated	Placer	Coarse Au in stream placers	Capps, 1919d, p. 83-85; Bundtzen and others, 1977, p. 14
57 Spruce Creek	O,11 T.16S.,R.16W.	M	Au	Disseminated	Placer	Generally coarse Au in stream placers	Prindle, 1907, p. 214-215; Bundtzen and others, 1977, p. 14
58 Crooked Creek	O,11 T.13S.,R.15W.	M	Au	Disseminated	Placer	Mainly stream placers	Smith, 1942b, p. 49
59 Little Moose Creek	O,11 T.13S.,R.15W.	M	Au(Ag)	Disseminated	Placer	Stream placers	Capps, 1919d, p. 93; Joesting, 1942, p. 39
60 Stampede Creek	O,11 T.13S.,Rs.14,15W.	M	Au	Disseminated	Placer	Stream placers	Joesting, 1942, p. 39
61 Chitsia Creek	O,11 T.11S.,R.14W.	M	Au	Disseminated	Placer	Old placer workings	Bundtzen and others, 1977, pl. 2
62	N,11 T.20S.,R.21W.	P	Au?			Lode claims, probably mainly for Au	U.S. Bur. Mines, 1973
63	N,11 Tps.18,19S.,R.19W.	P	Au	Disseminated	Placer	Placer Au claims	"

MT. MC KINLEY QUADRANGLE - (approximate eastern five sixth) (Cont.)

MAP NO. AND NAMES(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
64	0,11 T.16S.,R.16W.	p	Au	Disseminated	Placer	Numerous placer Au claims nearby	U.S. Bur. Mines, 1973
65	0,11 T.16S.,R.16W.	p	Sb(Au,Ag)	Vein	Hydrothermal	Lode claims	"
66	0,11 T.16S.,R.17W.	p	Au	Disseminated	Placer	Placer Au claims	"
67	0,11 T.16S.,R.18W.	P	Au,Sb(Ag)	Vein	Hydrothermal	Lode claims	"
68	0,11 T.13S.,R.15W.	M	Au	Disseminated	Placer	Placer Au claims	"
69	0,11 T.13S.,R.15W.	p	Au	Disseminated	Placer	Placer Au claims	"
70	0,11 Tps.12,13S.,R.15W.	p	Au	Disseminated	Placer	Placer Au claims	"

MT. SAINT ELIAS QUADRANGLE (ALASKAN PART)
(Boundaries of quadrangle: latitude, 60°-61°; longitude, 138°-142°)

No mineral deposits or significant occurrences are known in this scantily explored quadrangle. Only a few geochemical samples have been collected from the quadrangle, including two of metavolcanic rocks with disseminated pyrite that contained minor anomalous amounts of copper and silver.

NABESNA QUADRANGLE
(latitude, 62°-63°; longitude, 141°-144°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1	V,10 T.12N.,R.8E.	0	Au	Disseminated, vein	Porphyry, hydrothermal	Small hornblende diorite stock with disseminated py and small qz-py veins and veinlets	Richter and Matson, 1968, p. 3,4; Richter and others, 1975
2	V,10 T.13N.,R.9E.	P	Nephrite	Massive	Metamorphic	Nephrite associated with rodingite inclusions in serpentinized alpine-type ultramafic rocks	Richter, 1967a, p. 18, 19; Richter and others, 1975
3	V,10 T.13N.,R.9E.	0	Cu	Disseminated	Subaerial volcanogenic	bn in vesicles and as irregular segregations in epidotized basalt flows	Richter, 1967a, p 18; Richter and others, 1975
4	V,10 T.13N.,R.10E.	0	Cu	Coating	Subaerial volcanogenic, hydrothermal	Zone of strong ml and az staining in amygdaloidal basalt flows	Richter and others, 1975
5	V,10 T.10N.,R.10E.	p	Au(Ag)	Vein	Hydrothermal	Stringers of qz containing py, gn, sl, and Au in altered volcanic rocks	Moffit, 1941, p. 155; 1954, p. 203; Richter and others, 1975
6 Rock Creek	V,10 T.10N.,R.11E.	p	Mo	Disseminated	Pegmatite	Coarse mo in a small alkali pegmatite dike	Moffit, 1941, p. 150-153; 1954a. p. 209, 210; Richter and others, 1975
7	V,10 T.9N.,R.11E.	P	Corundum	Disseminated	Pegmatite	Corundum crystals as long as 8 cm in small alkali pegmatite dikes	Richter, 1970a; Richter and others, 1975
8	V,10 T.10N.,R.12E.	0	Pb,Zn,Ag	Vein	Hydrothermal	Small qz-carbonate veins with gn, sl, and td in border zone of small stock	Richter and others, 1975
9	V,10 T.8N.,R.13E.	0	Cu	Vein	Hydrothermal	qz vein with py and cp in fault-shear zone in volcaniclastic rocks	Richter and others, 1975
10	W,10 T.9N.,R.13E.	0	Cu	Disseminated	Subaerial volcanogenic	Native Cu in fractures in amygdaloidal basalt flows	Richter and others, 1975
11 Nabesna mine; Golden Eagle group; Rambler mine; and Royal Development Co.	V,10 T.7N.,R.13E.	M,P	Au(Cu,Ag,Fe)	Massive, disseminated, vein	Contact-metamorphic (skarn); porphyry	The Nabesna and Rambler mines and Golden Eagle group are mainly contact-metamorphic deposits in recrystallized limestone near quartz diorite; they contain mgt, po, py, Au, and minor cp. Production from the Nabesna mine was worth $1,870,000. The Royal Development mine is in a quartz diorite stock that contains disseminated py and small qz-py veins; it had small gold production from 60 tons of ore milled in 1907	Wayland, 1943; Richter and others, 1975
12 Camp Creek	W,10 T.7N.,R.14E.	0	Cu	Vein	Subaerial volcanogenic, hydrothermal	cc vein in amygdaloidal basalt flows	Mendenhall and Schrader, 1903a, p. 39; Richter and others, 1975
13 Monte Cristo Creek; Marie Nabesna	(V,W),10 T.5N.,R.13E.	P	Mo	Disseminated and vein	Porphyry	Disseminated mo and qz-py-mo veins in strongly altered zone at contact of granodiorite pluton and volcanic breccia	Richter and others, 1975
14	W,10 T.5N.,R.13E.	p	Au(Pb,Zn,Ag)	Vein	Contact metamorphic, hydrothermal	qz veins with sl, gn, and minor cp in recrystallized limestone	Richter and others, 1975
15 Nabesna River	W,10 T.5N.,R.13E.	P	Cu(Ag,Zn)	Vein and veinlet	Stockwork	qz-py veins and veinlets with minor cp in hornblende dacite dike and volcanic country rock	Richter and others, 1975
16	W,10 T.4N.,R.14E.	0	Cu	Massive	Contact-metamorphic (skarn)	Massive mgt with py and minor cp in amphibolized volcanic rock	Richter and others, 1975
17	W,10 T.4N.,R.14E.	0	Au(Co)	Vein	Hydrothermal	Thin (10-20 cm) calc vein that contains gold and cobaltite	Richter and others, 1975
18	W,10 T.4N.,R.13E.	0	Cu	Massive	Contact metamorphic	Small irregular masses of py and minor cp in contact zone of diorite stock	Richter and others, 1975

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
19 Orange Hill	W,10 T.5N.,R.14E.	P	Cu,Mo(Au,Ag)	Disseminated and veinlets	Porphyry	py, cp, and minor mo in qz veinlets and as disseminations in Cretaceous quartz diorite; fairly extensive diamond drilling	Van Alstine and Black, 1946b; Richter and others, 1975
20 Lemon Claims	W,10 T.5N.,R.14E.	P	Cu(Zn,Ag,Au)	Massive, disseminated, vein	Contact metamorphic	Disseminated po, py, and cp in mgt; veins of py, cp, and sl in mgt and calc-silicate rock	Van Alstine and Black, 1946b; Richter and others, 1975
21	W,10 T.4N.,R.14E.	P	Cu	Vein and veinlet	Stockwork	qz-py veins and veinlets with minor cp, in volcanic flows	Richter and others, 1975
22	W,10 T.4N.,R.14E.	P	Cu	Vein and veinlet	Stockwork	qz-py veins and veinlets with minor cp in quartz-eye volcanic flows or shallow intrusive	Richter and others, 1975
23	W,10 T.4N.,R.14E.	P	Cu,Au(Zn)	Vein and veinlet	Stockwork	qz-py veins and veinlets with minor cp and sl, in altered quartz-eye volcanic flow or shallow intrusive; locally gold bearing	Richter and others, 1975
24	W,10 T.3N.,R.14E.	O	Cu	Coating	Subaerial volcanogenic, hydrothermal	Zone of ml and az stain in amygdaloidal basalt flows	Richter and others, 1975
25	W,10 T.5N.,R.14E.	O	Cu(Pb,Ag)	Disseminated	Breccia pipe?	Zone of intense hydrothermal alteration in volcanic flows containing brecciated rock cemented by qz that contains minor py, cp, and gn	Richter and others, 1975
26 Bond Creek	W,10 T.5N., R.15E.	P	Cu(Mo,Au,Ag)	Disseminated and veinlet	Porphyry	py, cp, and minor mo in qz veinlets and as disseminations in granodiorite and quartz monzonite porphyry; a large deposit, explored by diamond drilling	Richter and others, 1975
27 East Fork	W,10 T.5N.,R.15E.	P	Mo	Veinlet and vein	Porphyry	qz-py-mo veins and veinlets in strongly altered and brecciated trondhjemite	Richter and others, 1975
28	W,10 T.5N.,R.15E.	O	Cu	Disseminated	Breccia pipe?	Fragments of volcanic rock cemented with qz and minor py and cp in area of intense hydrothermal alteration	Richter and others, 1975
29	W,10 T.4N.,R.15E.	O	Cu(Pb,Zn,Ag)	Vein	Hydrothermal	qz vein with minor cp, gn, and sl	Richter and others, 1975
30 Cross Creek	W,10 T.4N.,R.15E.	p	Cu(Pb,Zn,Ag)	Disseminated	Breccia pipe	Zone of strong hydrothermal alteration containing fragments of volcanic rock cemented by qz containing minor py, cp, sl, and gn	Moffit, 1943, p. 143-145; Richter and others, 1975
31	W,10 T.3N.,R.15E.	O	Cu(Pb,Zn)	Vein	Hydrothermal	qz vein with minor py, cp, gn, and sl in volcanic and volcaniclastic rocks	Richter and others, 1975
32	W,10 T.8N.,R.17E.	O	Cu	Veinlet	Hydrothermal, porphyry?	qz veinlets with minor cp, bn, and py in syenodiorite	Richter and others, 1975
33	W,10 T.7N.,R.17E.	O	Cu	Disseminated?	Hydrothermal? magmatic?	Segregations of py and cp in hornblendite	Richter and others, 1975
34 Big Eldorado	X,10 T.4N.,R.19E.	P	Au(Cu)	Vein	Hydrothermal	qz vein with py, cp, and Au in syenodiorite	Richter and others, 1975
35	X,10 T.4N.,R.19E.	p	Au	Vein	Hydrothermal	qz vein with py in volcanic breccias	Richter and others, 1975
36	X,10 T.4N.,R.19E.	p	Au	Vein	Hydrothermal	Local gold-bearing qz-py veins in small altered zones in volcanic breccias	Capps, 1916a, p. 118; Richter and others, 1975
37	X,10 T.4N.,R.20E.	p	Zn,Pb(Cu,Ag)	Vein	Hydrothermal	qz-carbonate veins with sl, gn, and minor cp in argillite	Richter and others, 1975
38 Johnson Creek	X,10 T.4N.,R.21E.	P	Cu	Disseminated	Porphyry	Disseminated py and cp in small diorite stock and surrounding hornfelsed argillite	Richter and others, 1975

MAP NO.	AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
39	Carl Creek	X,10 T.3N.,R.21E.	P	Cu(Mo,Au,Ag)	Disseminated and veinlet	Porphyry	py and cp in qz veinlets and as disseminations in granodiorite and quartz monzonite	Richter and others, 1975
40	O'Hara; Sulzer; Cosmopolitan copper group	X,10 T.5N.,R.21E.	p	Cu	Disseminated, coating, vein	Subaerial volcanogenic, hydrothermal	ml in fractures, amygdules, and breccias in amygdaloidal basalt flows	Moffit, 1943; Richter and others, 1975
41	Reynolds; Butte Creek copper group	X,10 T.5N.,R.21E.	p	Cu	Vein	Hydrothermal, subaerial volcanogenic	Small veins of bn, cc, and calc in amygdaloidal basalt flows	Moffit, 1943; Richter and others, 1975
42		X,10 T.4N.,R.22E.	0	Cu	Vein	Hydrothermal	Massive qz vein with minor py and cp in marine volcaniclastic rocks	Richter and others, 1975
43		X,10 T.4N.,R.23E.	P	Cu	Disseminated	Porphyry	Disseminated py and minor cp in small diorite stock	Richter and others, 1975
44		X,10 T.3N.,R.23E.	p	Cu	Vein	Hydrothermal	qz vein with cp in volcanic breccia	Richter and others, 1975
45	Horsfeld	X,10 T.3N.,R.23E.	P	Cu(Ag,Au)	Disseminated, veinlet	Porphyry	py and cp in qz veinlets and as disseminations in monzonite and monzonite porphyry	Richter and others, 1975
46	Baultoff	X,10 T.4N.,R.23E.	P	Cu(Ag,Au)	Disseminated	Porphyry	Disseminated py and cp in diorite and qz porphyry	Richter and others, 1975
47		X,10 T.3N.,R.23E.	0	Cu	Disseminated	Porphyry	Disseminated py and cp in porphyritic mafic diorite	Richter and others, 1975
48		X,10 T.4N.,R.23E.	0	(Pb,Au,Ag)	Vein	Hydrothermal	qz-bar vein with minor gn in marine sedimentary rocks	Richter and others, 1975
49		X,10 T.4N.,R.24E.	0	Cu(Ag)	Vein	Hydrothermal	qz veins with minor cp in small quartz monzonite stock and volcanic country rock	Richter and others, 1975
50	Slope Creek	V,10 T.12N.,R.8E.	M	Au(Ag)	Disseminated	Placer	Fine-grained rough Au and minor wire Ag. Production probably less than $10,000	Moffit, 1938, p. 50, 51; Richter, 1966, p. 34; Richter and others, 1975
51	Boulder Creek	V,10 T.12N.,R.8E.	M	Au	Disseminated	Placer	Coarse-grained smooth Au; minor production	Richter, 1966, p. 54; Richter and others, 1975
52	Willow Creek	V,10 T.11N.,R.8E.	p	Au	Disseminated	Placer	Evidence of placer operation or exploration, but no data available	Richter, 1966, p. 34; Richter and others, 1975
53	Trail Creek	V,10 T.10N.,R.12E.	p	Au	Disseminated	Placer	Evidence of placer operation or exploration, but no data available	Moffit, 1941, p. 155; Richter and others, 1975
54 55 56 57 58 59	Chisana (Bonanza) district	X,10 Tps.4,5N.,Rs. 19,20E.	M	Au	Disseminated	Placer	Chiefly coarse-grained smooth Au; coarse-grained rough Au from deposit 56. Production of more than $1,000,000 principally from deposits 55 and 57. About half of total production during 1913-1915; some mining has continued to present time	Capps, 1916a, p. 92-116; Moffit, 1943, p. 170-173; Richter and others, 1975
60	Bryan Creek	X,10 T.3N.,R.19E.	M	Au(Cu)	Disseminated	Placer	Some coarse-grained Au and native Cu recovered	Moffit, 1954a, p. 200; Richter and others, 1975
61		X,10 T.3N.,R.24E.	P	Cu?	Disseminated?	Porphyry?	Lode claims, probably for Cu	U.S. Bureau of Mines, 1973
62		X,10 T.4N.,R.23E.	p	Cu(Au?)	Vein	Hydrothermal	Lode claims in Nikolai Greenstone	"
63		X,10 T.4N.,R.21E.	P	Cu	Disseminated	Porphyry	Claims in Cretaceous granite	"
64		X,10 T.4N.,R.20E.	p	Au	Dissemineted	Placer		"
65		X,10 T.4N.,R.25E.	p	Au(Cu)	Vein	Hydrothermal	Lode claims on qz veins	"
66		X,10 T.13N.,R.25E.	p	Au	Vein	Hydrothermal	Lode claims in Cretaceous granitic rocks	"
67		W,10 T.5N.,R.17E.	p	Au	Disseminated	Placer		"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
68	W,10 T.5N.,R.16E.	p	Cu	Vein?	Hydrothermal?	Claims in Nikolai Greenstone	U.S. Bureau of Mines, 1973
69	W,10 T.5N.,R.14E.	p	Cu	Vein?	Hydrothermal?	Claims in Nikolai Greenstone	"
70	W,10 T.6N.,R.16E.	P	Cu	Disseminated	Porphyry	Claims in Cretaceous granite	"
71	W,10 T.6N.,R.16E.	p	Cu	Vein?	Hydrothermal?	Claims in Nikolai Greenstone	"
72	W,10 T.7N.,Rs.14,15E.	p	Cu	Vein?	Hydrothermal?	Prospect in Nikolai Greenstone	"
73	W,10 T.10N.,R.15E.	p	Au	Disseminated	Placer		"
74	W,10 T.11N.,R.17E.	p	Au	Disseminated	Placer		"
75	V,10 T.9N.,R.10E.	p	Au	Disseminated	Placer		"
76	V,10 T.11N.,R.10E.	p	Au	Vein	Hydrothermal	Lode prospect in diorite	"
77	V,10 T.11N.,R.8E.	p	Au	Disseminated	Placer		"
78	V,10 T.11N.,R.8E.	p	Au	Disseminated	Placer		"
79	V,10 T.14N.,R.11E.	p	Cu(Au)	Vein	Hydrothermal	Lode claims in metamorphic rocks	"

SELDOVIA QUADRANGLE
(latitude, 59°-60°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Claim Point	N,7 T.11S.,R.15W.	M	Cr	Massive, disseminated	Magmatic	Chromite layers, lenses, and disseminations in layered dunite; Guild (1942) estimated chromite reserves above the low tide level as 32,100 tons total chromite	Guild, 1942, p. 148-152; 156-162; Sanford and Cole, 1949
2 Rock	N,7 T.11S.,R.14W.	p	Au(Cu,Zn)	Vein, veinlet	Hydrothermal	Several prospects on qz veins and veinlets that cut Valdez Group (Cretaceous) graywacke and argillite and, locally, Tertiary granitic dikes; the qz is generally associated with minor aspy, cp, po, and sl	Martin, Johnson, and Grant, 1915, p. 232
3 Mills and Trimble	N,7 T.10S.,R.14W.	p	Au(Ag,Cu)	Vein, veinlet	Hydrothermal	qz veins and veinlets that cut Valdez Group and Tertiary felsic dikes; the veins contain aspy, cp, and py	Martin, Johnson, and Grant, 1915, p. 231
4 Red Mountain	N,7 T.9S.,R.13W.	M	Cr(Ni)	Massive, disseminated	Magmatic	Numerous claims and shallow workings on a large layered ultramatic, mainly dunite, mass; an important chromite resource; Guild (1942) estimated reserves as 150,600 tons total chromite	Guild, 1942, p. 148-152, 165-175; Rutledge, 1946
5 Port Dick	N,7 T.10S.,R.12W.	p	Au(Cu,Zn)	Vein	Hydrothermal	Several old prospects in vicinity; mainly on qz veins that cut Valdez Group metasedimentary and metavolcanic rocks and Tertiary plutons; the veins contain aspy and a little cp and sl	Martin, Johnson, and Grant, 1915, p. 230-231
6 Port Dick	N,7 T.10S.,R.11W.	p	Cu	Disseminated	Hydrothermal?	Local impregnations of po and cp in Valdez Group	Martin, Johnson, and Grant, 1915, p. 231
7 Sather	O,7 T.8S.,R.8W.	p	Au(Ag)	Vein	Hydrothermal	qz veins, generally less than 1 m thick, that cut Valdez Group and Tertiary felsic dikes; the veins contain some py, cp, gn, and sl	Pilgrim, 1933, p. 38-39
8 Nukalaska	O,7 T.8S.,R.8W.	M	Au	Vein	Hydrothermal	Thin, locally rich, qz vein adjacent to a Tertiary felsic dike that cuts Valdez Group slate and graywacke; the vein contains Au, aspy, py, gn, and cp	Capps, 1938, p. 22-29; Richter, 1970b, p. 83, 86, 88
9 Lang (Skinner)	O,7 T.8S.,R.8W.	p	Au(Ag)	Vein, stock-work	Hydrothermal	Thin qz veins and stock-works that contain aspy and lesser amounts of py, sl, and gn and cut Valdez Group	Pilgrim 1933, p. 50-51; Capps, 1938, p. 31-32
10 Little Creek (Glass and Heifner)	O,7 T.7S.,R.8W.	P	Au(Ag)	Vein	Hydrothermal	qz veins, less than 1.5 m thick, that cut Valdez Group graywacke; the veins contain aspy and some py, gn, and sl	Pilgrim, 1933, p. 44-46; Richter, 1970b, p. 88-89
11 Alaska Hills	O,7 T.7S.,R.8W.	M	Au(Ag)	Vein	Hydrothermal	Thin qz veins and stringers that cut Valdez Group graywacke and contain some Au, aspy and py	Pilgrim, 1933, p. 46-48; Richter, 1970b, p. 89-810
12 Nuka Bay Mines Co.	O,7 T.7S.,R.8W.	p	Au(Ag)	Vein	Hydrothermal	Workings on qz vein, less than 1 m thick, that cuts Valdez Group slate and graywacke	Pilgrim, 1933, p. 48-50; Richter, 1970b, p. 810-81
13 Frank, Rosness and Larson	O.7 T.7S.,R.8W.	p,M	Au(Ag)	Vein	Hydrothermal	Thin qz veins that cut Valdez Group and contain some aspy and py; near Tertiary felsic dikes; the Rosness and Larson had minor production	Pilgrim, 1933, p. 40-42; Richter, 1970b, p. 811

MAP NO. AND NAMES(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCE
14 Nuka Bay	0,7 T.7S.,R.7W.	p	Au	Vein	Hydrothermal	Prospects on qz veins, less than 1 m thick, that cut Valdez Group and contain sparsely distributed sulfides	Pilgrim, 1933, p. 44
15 Hatcher	0,7 T.7S.,R.7W.	p	Au	Vein	Hydrothermal	Old prospects on qz veins, less than 1 m thick, that cut Valdez Group, mainly graywacke; the veins contain some aspy and py	Pilgrim, 1933, p. 42-44; Richter, 1970b, p. B11
16 Johnston and Degan	0,7 T.7S.,R.7W.	p	Au(Ag)	Vein	Hydrothermal	Thin qz veins that cut Valdez Group; some aspy, py, and gn are associated with the qz	Pilgrim, 1933, p. 34-36
17 Goyne (Golden Horn)	0,7 T.8S.,R.7W.	M	Au(Ag)	Vein	Hydrothermal	qz vein, about 1 m in maximum thickness, that cuts Valdez Group; near a Tertiary felsic dike; the veins contain minor amounts of aspy and gn	Pilgrim, 1933, p. 36-37; Capps, 1938, p. 30-31; Richter, 1970b, p. B11-B12
18 Tidewater (Skinner)	0.7 T.8S.,R.7W.	P	Au	Vein	Hydrothermal	Brecciated qz vein and qz stringers in Valdez Group	Pilgrim, 1933, p. 30-31; Richter 1970b, p. B13
19 Sonny Fox (Babcock and Downey)	0,7 T.7S.,R.7W.	M	Au(Ag)	Vein	Hydrothermal	Several qz veins, about 1 m in average thickness, in Valdez Group; the veins contain aspy, Au, py, cp, and gn; largest producer in Nuka Bay region	Pilgrim, 1933, p. 31-34; Capps, 1938, p. 26-28; Richter, 1970b, p. B12-B13
20 Kusturin and Johanson	0,7 T.6S.,R.5W.	p	Au	Vein	Hydrothermal	Several qz veins, less than 1 m thick, that cut Valdez Group slate and graywacke and carry a little py and cp	Martin, Johnson, and Grant, 1915, p. 229
21 Two Arm Bay	0,7 Tps.5,6S.,R.5W.	p	Au	Vein	Hydrothermal	Thin qz veins in Valdez Group slate and graywacke	Martin, Johnson, and Grant, 1915, p. 229
22 Anchor Point	N,7 T.5S.,R.15W.	M	Au	Disseminated	Placer	Beach placers worked intermittently in early 1900's	Martin, Johnson, and Grant, 1915, p. 110-111
23	N,7 T.10S.,R.13W.	P	Au?	Vein?	Hydrothermal?	Claims, probably for Au on qz veins in Valdez Group	U.S. Bur. Mines, 1973
24	N,7 T.9S.,R.15W.	p	Au			Reported lode claim for Au	"
25	N,7 T.8S.,R.13W.	P	Au?	Vein?	Hydrothermal?	Lode claims, probably for Au on qz veins in Valdez Group	"
26	0,7 T.7S.,R.5W.	P	Au?	Vein?	Hydrothermal?	Lode claims in Valdez Group	"
27	0,7 T.7S.,R.7W.	p	Au	Disseminated	Placer	Placer claims for Au	"
28	0,7 T.7S.,R.7W.	p	Au	Vein	Hydrothermal	Claims on qz veins in Valdez Group	"
29	0,7 T.7S.,R.8W.	p	Au	Disseminated	Placer	Placer claims for Au	"
30	N,7 T.6S.,R.11W.	P	Au?	Disseminated?	Placer?	Probably claims on beach placers	"
31	N,7 T.6S.,R.11W.	P	Au	Disseminated	Placer	Placer Au claims	"
32	N,7 T.6S.,R.14W.	p	Au	Disseminated	Placer	Placer Au claims	"
33	N,7 T.6S.,R.14W.	p	Au	Disseminated	Placer	Placer Au claims	"

SENARD QUADRANGLE
(latitude, 60°-61°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Indian, Indian Creek, Strong	P,8 T.10N.,R.1W.	M	Au (Pb)	Vein, veinlet	Hydrothermal	Veins and veinlets in Valdez Group (Cretaceous) slate and graywacke or Tertiary felsic dikes; the deposits contain qz, calc, py, and local Au and gn	Berg and Cobb, 1967, p. 20; Capps, 1916c, p. 192; Brooks and Capps, 1924, p, 30
2 Bird Point	P,8 T.10N.,Rs.1E.,1W.	M	Au (Cu, Pb)	Vein	Hydrothermal	qz veins less than 0.5 m thick that cut Valdez Group slate and carry some Au, cp, gn, and secondary Cu minerals; near Tertiary felsic dikes	Capps, 1916c, p. 191-192
3 Peterson Creek	P,8 T.9N.,Rs.2,3E.	p	Au	Vein	Hydrothermal	Prospect on qz veins in Valdez Group	Capps, 1916c, p. 192
4 Coon, Taylor	P,8 T.9N.,R.2W.	p	Au (Ag, Pb)	Vein	Hydrothermal	Explored thin qz veins that cut Valdez Group and contain aspy, py, and gn	Tuck, 1933, p. 506-507
5. Gold Stamp, Bear Creek	P,8 T.9N.,R.1W.	M, p	Au (Pb, Sb?)	Vein	Hydrothermal	Old workings on thin qz veins in Valdez Group	Moffit, 1906, p. 46-47; Brooks, 1916, p. 55; Tuck, 1933, p. 506
6 Nearhouse	P,8 T.9N.,R.1W.	M	Au (Ag, Pb)	Vein	Hydrothermal	Irregular qz vein in shear zone in Valdez Group siltstone and graywacke; some thin qz veins nearby that cut both the Valdez and Tertiary felsic dikes; the veins contain aspy, py, and gn	Tuck, 1933, p. 503-505
7 Kenai Star, Robin Red Breast	P,8 T.9N.,R.1W.	M, p	Au (Cu, Pb, Zn)	Vein, veinlet	Hydrothermal	The Kenai Star explored a felsic dike cut by qz veins; the Robin Red Breast explored qz stringers in the Valdez Group	Tuck, 1933, p. 501-503
8 Downing, Hirshey and Carlson	P,8 T.9N.,R.1W.	p	Au (Pb, Cu, Zn)	Vein, veinlet	Hydrothermal	The Downing is on qz veins that cut the Valdez Group and contain aspy, py, and Au; the Hirshey and Carlson is on a fractured Tertiary felsic dike that has been sutured by qz stringers that contain calc, aspy, py, gn, sl, and cp	Tuck, 1933, p. 500-501; Martin, Johnson and Grant, 1915, p. 171-172
9 Sunshine	P,8 T.8N.,R.2W.	M	Au	Vein	Hydrothermal	Thin irregular qz veins that contain py, cp, and some Au; cut Valdez Group graywacke	Tuck, 1933, p. 498
10 Teddy Bear	P,8 T.8N.,Rs.1,2W.	p	Au (Pb, Zn, Cu)	Veinlet	Hydrothermal	qz calc, aspy, gn, cp, sl, and some Au filling fractures in a felsic Tertiary dike that cuts the Valdez Group	Tuck, 1933, p. 499-500
11 Lucky Strike	P,8 T.8N.,R.2W.	M	Au (Pb, Zn)	Vein	Hydrothermal	Brecciated qz vein with gouge selvages that cuts Valdez Group slate; the vein contains qz, calc, ankerite, fairly abundant aspy, some py, gn, sl, and Au	Tuck, 1933, p. 494-498
12 Donaldson Creek, Hillside Quartz	P,8 T.8N.,R.1W.	P	Au	Veinlet, disseminated	Hydrothermal	Slightly mineralized felsic dike that cuts Valdez Group	Tuck, 1933, p. 517; U.S. Bur. Mines, 1973
13 Slate Creek	P,8 T.9N.,R.1E.	p	Au	Vein	Hydrothermal	Small, fault-controlled qz veins in Valdez Group	Martin, Johnson, and Grant, 1915, p. 172
14 Sawmill Creek	P,8 T.9N.,R.1E.	M	Au (Pb, Zn)	Vein, disseminated	Hydrothermal	Irregular qz veins as much as 1.2 m wide that cut Valdez slate and graywacke; the veins carry aspy, py, sl, gn, and some Au; disseminated aspy in altered wallrock	Martin, Johnson, and Grant, 1915, p. 172-173; Moffit, 1906, p. 47
15 Connoly	P,8 T.9N.,R.1E.	p	Au	Vein?	Hydrothermal?	Probably qn qz veins in Valdez Group	U.S. Bur. Mines, 1973
16 Robinson and Bowman, Red Hat	P,8 T.9N.,R.2W.	p	Au (Ag,Pb)	Vein	Hydrothermal	Thin qz veins in Valdez Group; contains some ankerite, calc, aspy, gn, Au, and Ag	Tuck, 1933, p. 505; Brooks, 1923, p. 38-39
17 Babe	P,8 T.8N.,R.2W.	P	U?			U claims; no geologic data available	U.S. Bur. Mines, 1973
18 Gold Leaf	P,8 T.8N.,R.1W.	p	Au	Vein?	Hydrothermal?	Au lode claims in Valdez Group	U.S. Bur. Mines, 1973

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
19 Frenchy Creek	P,8 T.8N.,R.1W.	p	Au	Veinlet	Hydrothermal	Weakly mineralized veinlets in a 4 m Tertiary felsic dike	Tuck, 1933, p. 517
20 Keno and Hiway	P,8 T.7N.,R.1W.	p	Au	Vein?	Hydrothermal?	Au claims	U.S. Bur. Mines, 1973
21 SS Lode	P,8 T.8N.,R.1E.	p	Au	Vein?	Hydrothermal?	Au claims	U.S. Bur. Mines, 1973
22 Ready Bullion	P,8 T.7N.,R.1E.	p	Cu	Vein, massive	Hydrothermal	cp, po, py, and qz in a shear and slate	Tuck, 1933, p. 520-521
23 Brewster	P,8 T.7N.,R.1E.	p	Au	Vein	Hydrothermal	Free Ay in narrow discontinuous qz veins in Valdez Group	Tuck, 1933, p. 519
24 Seward Gold	P,8 T.7N.,R.1E.	p	Au (Pb, Zn)	Vein, veinlet	Hydrothermal	qz-rich fracture fillings in Valdez Group and Tertiary felsic dikes; mineralized zone about 2 m wide; contains Au, py, asp, gn, sl, and calc	Martin, Johnson, and Grant, 1915, p. 169-171
25 Sunrise Uranium	P,8 T.6N.,R.2E.	P?	U?			U claims; no geologic data	U.S. Bur. Mines, 1973
26 Tributary Creek	P,8 T.7N.,R.1W.	p	Au	Veinlet	Hydrothermal	Slightly fractured Tertiary felsic dike recemented by Au-bearing qz	Tuck, 1933, p. 517
27 Fresno Creek	P,8 T.7N.,R.1W.	M	Au (Pb)	Vein	Hydrothermal	qz-rich gash veins in a Tertiary felsic dike that contain aspy, gn, and Au	Martin, Johnson, and Grant, 1915, p. 167-168; Tuck, 1933, p. 517
28 Mascot	P,8 T.7N.,R.2W.	p	Au	Vein	Hydrothermal	Mineralized qz veins in a felsic Tertiary dike	Tuck, 1933, p. 516
29 Iron Mask	P,8 T.7N.,R.2W.	p	Au (Cu, Pb, Zn)	Veinlet	Hydrothermal	Veinlets in a Tertiary dike that contain aspy, gn, sl, cp, and some Au	Tuck, 1933, p. 516
30 Independence, Shell	P,8 T.7N.,R.2W.	M, p	Au	Veinlet, vein	Hydrothermal	On felsic Tertiary dikes that contain Au-bearing qz stringers	Tuck, 1933, p. 516; R. G. Tysdal, 1977, written commun.
31 Colorado	P,8 Tps.6,7N.,R.2W.	p	Au (Ag)	Vein	Hydrothermal	Fractures in a Tertiary felsic dike that are cemented by mineralized qz veins	Tuck, 1933, p. 516
32 Johnson and Skeen	P,8 T.7N.,R.3W.	p	Au	Vein	Hydrothermal	Two short, erratically mineralized, qz veins that cut the Valdez Group	Tuck, 1933, p. 519
33 Devils Creek	P,8 T.6N.,R.2W.	p	Au	Vein	Hydrothermal	Fractured Tertiary felsic dike cemented by weakly mineralized qz	Tuck, 1933, p. 519
34 North Star	P,8 T.6N.,R.2W.	p	Au	Vein?	Hydrothermal?	Au lode claims	U.S. Bur. Mines, 1973
35 Johnson, Alaska Oracle	P,8 T.6N.,R.2W.	M	Au (Ag, Pb, Zn, Mo)	Vein	Hydrothermal	The Johnson is on mineralized veinlets in a Tertiary felsic dike; the Alaska Oracle is on a qz vein that cuts the Valdez Group and contains Au, aspy, gn, py, sl, cp, and Mo	Tuck, 1933, p. 507-511
36 Ronan and James, Swetmann, Gilpatrick	P,8 T.6N.,R.2W.	M	Au (Ag, Pb, Cu, Zn)	Vein	Hydrothermal	qz veins in shear zones in the Valdez Group and along contacts between Tertiary felsic dikes and the Valdez; contain Au, Ag, gn, sl, cp, py, and aspy	Tuck, 1933, p. 510, 512-515
37 McMillan	P,8 T.6N.,R.2W.	M	Au	Vein	Hydrothermal	Short qz veins, as much as 1 m thick, in Valdez Group	Tuck, 1933, p. 518-519
38 Slate Creek	P,8 T.6N.,R.2W.	p	Au (Ag)	Vein	Hydrothermal	Thin qz vein in Valdez Group graywacke; carries some Au and sulfides	Tuck, 1933, p. 490-491, 516
39 Lois Lode	P,8 T.6N.,R.2W.	p	Au (Ag)	Vein?	Hydrothermal?	Reported Au lode claims	U.S. Bur. Mines, 1973
40 Kaffir, Buster	P,8 T.5N.,R.2W.	p	Au	Vein	Hydrothermal	qz veins, generally less than 1 m thick, in Valdez Group; contain minor Au and aspy and other sulfides	Martin, Johnson, and Grant, 1915, p. 163

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
41 Yellow Jacket	P,8 T.5N.,R.2W.	p	Au	Vein	Hydrothermal	Au-bearing qz vein, less than 1 m thick, cutting Valdez Group	Martin, Johnson, and Grant, 1915, p. 163
42 Lyengholm, Hargood and Larson	P,8 T.5N.,R.2W.	p	Sb	Vein	Hydrothermal	qz stringers that contain sb; in a felsic Tertiary dike	Martin, Johnson, and Grant, 1915, p. 179
43 Victor	P,8 T.4N.,R.2W.	p	Sb	Vein?	Hydrothermal?	Sb claims, probably on qz veins in the Valdez Group	U.S. Bur. Mines, 1973
44 Vindicator	P,8 T.4N.,R.2W.	p	Au	Vein?	Hydrothermal?	Au lode claims	U.S. Bur. Mines, 1973
45 Case	P,8 T.5N.,R.1E.	M	Au	Vein	Hydrothermal	Several small, high-grade Au-bearing veins cutting Valdez Group	Tuck, 1933, p. 520
46	P,8 T.5N.,R.1E.	O	(Cu, Ag)	Vein	Hydrothermal	Shear zone in Valdez Group schist that contains minor anomalous amounts of Cu and Ag	R. G. Tysdal, 1977, written commun.
47 Sollars	P,8 T.5N.,R.1E.	p	Au	Veinlet	Hydrothermal	Au-bearing veinlets in a Tertiary felsic dike	U.S. Bur. Mines, 1973
48 Crown Point, Kenai-Alaska, Skeen-Lechner	P,8 T.4N.,R.1E.	M	Au (Pb,Zn)	Vein, Veinlet	Hydrothermal	qz veins, generally less than 1 m thick, that cut Valdez Group; typically contain free Au, aspy, py, gn, and sl	Smith, 1938, p. 32-33; Martin, Johnson, and Grant, 1915, p. 154-163
49 California-Alaska	P,8 T.4N.,R.1E.	p	Au (Pb, Zn)	Vein, disseminated	Hydrothermal	Au-bearing qz veins and stringers in shear zone in Valdez Group; local disseminations; the deposits contains aspy, py, gn, sl, and some Au	Martin, Jonnson, and Grant, 1915, p. 151-154
50 East Point	P,8 T.4N.,R.1E.	M	Au	Vein?	Hydrothermal?	Probably Au-bearing veins in Valdez Group	U.S. Bur. Mines, 1973
51 Ballaine and Nelson	P,8 T.4N.,R.1W.	p	Au	Vein?	Hydrothermal?	Au claims; probably on qz veins in Valdez Group	U.S. Bur. Mines, 1973
52 Seward Bonanza	P,8 T.3N.,R.1E.	p	Au (Pb, Zn)	Vein	Hydrothermal	qz veins as much as 1.5 m wide that cut Valdez Group and contain aspy, py, gn, sl, calc, and some Au	Martin, Johnson, and Grant, 1915, p. 147-151
53 Brown Bear	P,8 T.3N.,R.1E.	p	Au (Cu, Zn)	Vein	Hydrothermal	Thin qz veins in Valdez Group slate; some Au, aspy, cp, gn, and sl in the veins	Martin, Johnson, and Grant, 1915, p. 148
54 Devil Club	P,8 T.3N.,R.1E.	p	Au	Vein	Hydrothermal	Two thin aspy-bearing qz veins in slate (Valdez Group)	Martin, Johnson, and Grant, 1915, p. 148
55 Porcupine	P,8 T.3N.,R.1W.	p	Au (Pb, Zn)	Vein	Hydrothermal	qz veins in Valdez Group; contain Au, py, aspy, po, gn, and sl	Martin, Johnson, and Grant, 1915, p. 148
56 Primrose	P,8 T.3N.,R.1W.	M	Au, Sb (Cu, Zn)	Vein	Hydrothermal	qz veins, typically less than 1 m thick, in Valdez Group; the veins carry Au, and sb and other sulfides	Martin, Johnson, and Grant, 1915, p. 146-147; Jasper, 1967, p. 3
57 Porky Pine, Schoonover	P,8 T.2N.,R.1W.	p	Au	Vein	Hydrothermal	qz stringers and veins, generally less than 1 m wide, that contain calc, Au, and aspy and other sulfides	U.S. Bur. Mines, 1973; Johnson, 1912, p. 155
58 Hale-Peel-Lyngholm	P,8 T.2N.,R.1W.	p	Au	Vein?	Hydrothermal?	Probably Au-bearing qz veins in Valdez Group	U.S. Bur. Mines, 1973
59 Mizpah	P,8 T.2N.,R1.W.	p	Au	Vein	Hydrothermal	Thin qz veins with minor amounts of Au and some sulfides; cut Valdez Group	Martin, Johnson, and Grant, 1915, p. 145-146
60 Mile Seven	P,8 T.2N.,R.1W.	p	Au (Pb, Zn)	Vein	Hydrothermal	Fe-stained qz stringers and lenses that cut Valdez Group and carry Au, calc, aspy, gn, and sl	Martin, Johnson, and Grant, 1915, p. 144-145
61 Mile Four	P,8 T.1N.,R.1W.	p	Au (Cu, Zn)	Vein	Hydrothermal	Sulfide- and Au-bearing qz stringers and veins, as much as 1 m wide, that cut Valdez Group slate	Martin, Johnson, and Grant, 1915, p. 144

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
62 Redman Creek	P,8 T.2N.,R.2W.	p	Au	Vein?	Hydrothermal?	Probably qz veins in Valdez Group	U.S. Bur. Mines, 1973
63 Last Chance	P,8 T.1S.,R.1W.	p	Au	Vein?	Hydrothermal?	Probably qz veins in Valdez Group	Alaska Dept. Mines, 1950, p. 47
64 Resurrection Bay Mining Co., Northern Light	P,8 T.1S.,R.1W.	p	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz-calc stringers and veins as much as 1 m thick that cut the Valdez Group and carry Au and sulfides	Martin, Johnson, and Grant, 1915, p. 142-143
65 Rusty	P,8 T.1S.,R.1E.	p	Au	Vein?	Hydrothermal?	Lode claims; probably on qz veins in Valdez Group	U.S. Bur. Mines, 1973
66 Shaw, Deubreul, and Bouchert	P,8 T.1S.,R.1E.	p	Cu (Au)	Massive, vein	Submarine volcanogenic, hydrothermal	Massive po with some cp and nearby qz vein that contains Cu and Au; both in Valdez Group	Martin, Johnson, and Grant, 1915, p. 233
67 Redman and Guyot	P,8 T.1S.,R.1E.	p	Cu	Vein	Hydrothermal	cp-bearing vein marked by a gossan that contains secondary Cu minerals; in Valdez Group	Martin, Johnson, and Grant, 1915, p. 233
68	P,8 T.1S.,R.1E.	0	(Cu, Zn)	Disseminated	Submarine volcanogenic	Disseminated sulfides in Valdez Group pillow basalt	R. G. Tysdal, 1977, written commun.
69	P,8 T.2S.,R.2E.	p	Cu	Disseminated	Hydrothermal?	po, py, and minor cp in a shear zone in Cretaceous? gabbro	Martin, Johnson, and Grant, 1915, p. 233
70	P,8 T.2S.,Rs.1,2E.	0	Ni (Cr)	Disseminated	Magmatic	Serpentinized dunite that contains as much as 0.5 percent Ni and 0.5 percent Cr	R. G. Tysdal, 1977, written commun.
71 Real Thing	P,8 T.2S.,R.1E.	p	Cu (Fe)	Vein	Hydrothermal, volcanogenic?	Vein, 3 m thick, that contains py, mgt, and cp	Martin, Johnson, and Grant, 1915, p. 234
72 Copper Chief	P,8 T.2S.,R.1E.	p	Cu	Veinlet, disseminated	Submarine volcanogenic, hydrothermal	Mineralized shear zone in Cretaceous pillow basalt; contains py, cp, and hem	Martin, Johnson, and Grant, 1915, p. 234
73 Iron Cap	P,8 T.2S.,R.1E.	p	Cu	Massive, disseminated	Submarine volcanogenic	Lode in Valdez Group volcanic rocks that carries mgt, py, and cp	Martin, Johnson, and Grant, 1915, p. 234
74 Yannes	Q,8 T.10N.,R.7E.	p	Au	Vein	Hydrothermal	Probably Au-bearing qz veins in Valdez Group	Johnson, 1914, p. 196
75 Harris	Q,8 T.10N.,R.7E.	M	Au	Vein	Hydrothermal	Au-bearing qz veins in Valdez Group	Condon and Cass, 1958
76 Anderson and Yannes	Q,8 T.10N.,R.7E.	p	Au	Vein	Hydrothermal	Au-bearing qz veins in Valdez Group	Johnson, 1914, p. 196
77 Granite, Snowball-Mountain View	Q,8 T.10N.,R.7E.	M, p	Au (Sb, Cu, Ag, Pb, Zn)	Vein	Hydrothermal	The Granite mine worked Au- and sulfide-bearing qz veins that cut the Valdez Group and Tertiary granite; the Snowball-Mountain View prospect is in a similar geologic setting	Johnson, 1914, p. 230; R. G. Tysdal, 1977, written commun.
78 Reed, Gauthier, and Cooper; Everson	Q,8 T.10N.,R.7E.	p	Au (Cu, Zn)	Vein	Hydrothermal	Fracture zones in Valdez slate and graywacke that are cemented by qz and sulfides	Johnson, 1914, p. 230-232
79 Sky Pilot	Q,8 T.10N.,R.6E.	p	Au	Vein	Hydrothermal	qz vein cutting Valdez Group conglomerate	Johnson, 1914, p. 229
80 Sweepstake, Singleton-O'Neil	Q,8 T.10N.,R.6E.	M	Au (Sb, Cu, Pb, Zn)	Vein	Hydrothermal	On qz veins that cut Valdez Group and Tertiary felsic dikes; contain Au, sb, aspy, py, calc, gn, cp, and sl	Johnson, 1914, p. 228-229
81 Hermann and Eaton	Q,8 T.10N.,R.6E.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz vein as much as 2 m thick that cuts Valdez Group and Tertiary granite; carries free Au and associated sulfides	Johnson, 1914, p. 231-232
82 Yakima	Q,8 T.10N.,R.6E.	p	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Fractured Valdez slate and graywacke cemented by qz with Au and associated sulfides	Johnson, 1914, p. 231

SEWARD QUADRANGLE (Cont.)

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83 Banner; George and McFarland	Q,8 T.10N.,R.7E	M	Au (Pb, Zn)	Vein	Hydrothermal	qz veins with Au and sulfides that cut Valdez rocks and Tertiary felsic dikes	Johnson, 1918, p. 187-189; 1914, p. 232
84 Hummer; Bennet, Bailey and Heinz	Q,8 Tps.9,10N.,R.6E.	p	Au (Cu, Pb)	Vein	Hydrothermal	Thin qz veins and stringers that cut Valdez Group	Johnson, 1914, p. 232
85 Tomboy, Lansing	Q,8 T.9N.,R.6E.	M	Au (Pb)	Vein	Hydrothermal	Au- and gn-bearing qz veins in Valdez Group slate and graywacke	Johnson, 1914, p. 233; 1918, p. 188
86 Dunklee and Reilly	Q,8 T.9N.,R.6E.	p	Au (Pb, Cu, Zn)	Vein	Hydrothermal	qz vein that cuts Valdez rocks and Tertiary dikes; contains Au, po, cp, aspy, gn, and sl	Johnson, 1914, p. 233
87 Lonestar	Q,8 T.9N.,R.5E.	p	Au	Vein	Hydrothermal	qz vein in Valdez Group	U.S. Bur. Mines, 1973
88 Portage Bay Mining Co.	Q,8 T.9N.,R.5E.	M	Au	Vein	Hydrothermal	Probably on qz veins in Valdez Group	Smith, 1942b, p. 26-27
89 Golden Giant, Bullion	Q,8 T.5N.,R.5E.	p	Au (Pb, Zn)	Vein	Hydrothermal	Mineralized qz veins and stringers that cut Valdez Group and Tertiary felsic dikes	Johnson, 1914, p. 233-234
90 Hillside; Burke and Sullivan	Q,8 T.9N.,R.5E.	p	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Mineralized qz veins in Valdez Group	Johnson, 1914, p. 234
91 Alaska Homestake	Q,8 T.9N.,R.6E.	p	Au	Vein	Hydrothermal	Probably on qz vein in Valdez Group	Condon and Cass, 1958
92 Ernest King, Passage Canal	Q,8 T.8N.,R.4E.	p	Au	Vein	Hydrothermal	Au-bearing qz veins in Valdez Group	Johnson, 1914, p. 234
93 Portage Pass Mining Co.	Q,8 T.8N.,R.4E.	p	Cu			Cu claims	U.S. Bur. Mines, 1973
94 North Star, Sweepstake	R,8 Tps.9,10N.,R.9E.	M	Au (Cu)	Vein	Hydrothermal	qz veins, less than 1 m thick, cutting Valdez slate and graywacke; the veins contain Au, cp, py, aspy, and po	Johnson, 1914, p. 219-220
95 Conley and McChesney, Consolidated, Morning Star	R,8 T.10N.,R.9E.	M, p	Au (Cu)	Vein	Hydrothermal	Thin qz veins cutting Valdez Group that carry Au and sulfides	Johnson, 1914, p. 219-220
96 Mayflower, Frondenburg and Bloom	R,8 T.10N.,R.8E.	p	Au	Vein	Hydrothermal	Au-bearing qz stringers in sheared Valdez graywacke	Johnson, 1914, p. 221-222
97 Lucky Swede, Nugget, Golden Wonder	R,8 T.10N.,R.8E.	M, p	Au (Ag, Pb, Cu, Zn)	Vein	Hydrothermal	qz veins and lenses, typically less than 1 m thick that cut Valdez Group and contain Au, Ag and associated sulfides	Johnson, 1914, p. 220-223
98 Mountain, Griset	R,8 T.10N.,R.8E.	M, p	Au	Vein	Hydrothermal	Au-bearing qz veins cutting Valdez Group	Johnson, 1914, p. 222-224
99 Arrowhead, Golden Eagle	R,8 T.10N.,R.8E.	M, p	Au	Vein	Hydrothermal	Au-bearing veins and stringers in Valdez Group; associated with minor amounts of sulfides	Johnson, 1914, p. 223-225
100 Tolson and Stanton; Carter	R,8 T.10N.,R.9E.	p	Au (Zn)	Vein	Hydrothermal	Au- and sulfide-bearing qz veins cutting Valdez Group	Johnson, 1914, p. 225
101 Gold Queen	R,8 T.10N.,R.9E.	p	Au	Vein	Hydrothermal	Probably Au-bearing qz veins in Valdez Group	U.S. Bur. Mines, 1973
102 Eldorado	R,8 T.9N.,R.9E.	p	Au	Vein	Hydrothermal	Shattered zone in Valdez Group slate and graywacke cemented with qz, calc, py, aspy, po, and Au	Johnson, 1914, p. 235
103 Gray Brothers	R,8 T.9N.,R.NE.	p	Au	Vein	Hydrothermal	Probably Au-bearing qz veins in Valdez Group	Johnson, 1914, p. 196
104 Kavanaugh and Boon	Q,8 T.9N.,R.8E.	p	Au (Cu, Pb)	Vein	Hydrothermal	Valdez Group graywacke that has been shattered and cemented by Au- and sulfide-bearing qz	Johnson, 1914, p. 234
105 Fish, Collins, and Stewart	Q,8 T.8N.,R.7E.	p	Au (Cu)	Vein	Hydrothermal	Au- and sulfide-bearing qz vein in metamorphosed Valdez Group near contact with Tertiary granite	Johnson, 1914, p. 234-235

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106	Thomas-Culross	Q,8 T.8N.,R.7E.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Shear zone, about 1 m wide, in Valdez Group greenstone; mineralized with qz, aspy, po, cp, sl, gn, and Au	Johnson, 1914, p. 235-236
107	Keagan (John Sells)	Q,8 T.8N.,R.7E.	M	Au	Vein	Hydrothermal	qz lenses and stringers in schistose slate of Valdez Group	Johnson, 1914, p. 236
108		Q,8 T.5N.,R.7E.	p	Au	Vein?	Hydrothermal?	Au prospect in Valdez Group	U.S. Bur. Mines, 1973
109		Q,8 T.5N.,R.7E.	p	Au	Vein?	Hydrothermal?	Au prospect in Valcez Group	U.S. Bur. Mines, 1973
110	Jackpot Bay	Q,8 T.3N.,R.7E.	p	Au (Ag, Pb, Zn)	Vein	Hydrothermal	Au- and Ag-bearing qz vein in Valdez Group slate and graywacke; contains aspy, gn, sl	Grant and Higgins, 1910, p. 78
111		Q,8 T.2N.,R.8E.	0	Au	Vein	Hydrothermal	Au-bearing qz vein in sandstone	R. G. Tysdal, 1977, written commun.
112	Siwash Bay	R,8 T.10N.,R.10E.	p	Cu	Vein	Hydrothermal	Prospects on Cu-bearing veins in Valdez Group	Moffit and Fellows, 1950, p. 77; R. G. Tysdal, 1977, written commun.
113	Anderson	R,8 T.10N.,R.11E.	p	Au (Ag, Cu, Zn)	Vein	Hydrothermal	qz vein in Valdez Group limestone	Johnson, 1918, p. 185
114	Cedar Bay	R,8 T.10N.,R.12E.	p	Zn (Au, Ag, Cu)	Vein, disseminated	Hydrothermal	Brecciated zone in Tertiary granite that is cemented by qz associated with py, sl, cp, and cv	Moffit and Fellows, 1950, p. 76-77
115	Jensen, Wallace, and Kilbourn; Nelson and Rystrom	R,8 T.9N.,R.13E.	p	Cu	Disseminated, breccia	Hydrothermal, submarine volcanogenic	Brecciated Orca Group (Lower Tertiary) greenstone cemented by qz, py, and cp	Grant and Higgins, 1909, p. 85, 88
116	Jensen	R,8 T.9N.,R.13E.	p	Cu (Au, Ag)	Massive, disseminated	Submarine volcanogenic	Shear zone in greenstone (Orca Group) containing qz, py, and cp	Johnson, 1919a, p. 146-147
117		R,8 T.9N.,R.13E.	p, 0	Cu (Zn)	Massive, vein	Submarine volcanogenic	po, py, and cp in shear zones, mainly in sheeted basalt dikes of the Orca Group	Grant and Higgins, 1909, p. 83; R. G. Tysdal, 1977, written commun.
118	Byers	R,8 T.9N.,R.11E.	p	Cu			Old Cu prospect	Grant and Higgins, 1909, p. 88
119		R,8 T.9N.,R.11E.	0	Cu (Ag, Zn)	Disseminated	Submarine volcanogenic	cp and other sulfides disseminated in Orca Group slate, near pillow basalt	R. G. Tysdal, 1977, written commun.
120	Disk Island	R,8 T.5N.,R.10E.	p	Cu	Disseminated	Submarine volcanogenic	Silicified and epidotized zone, 1.5 m wide, in shattered Orca Group greenstone; contains py, po, and cp	R. G. Tysdal, 1977, written commun.
121	Louis Bay; Von Guenther, Malack	R,8 T.4N.,R.10E.	p	Cu	Disseminated	Submarine volcanogenic	Sheared Orca Group greenstone that contains py, cp, qz, and epid	Grant and Higgins, 1909, p. 88; Moffit and Fellows, 1950, p. 68-69
122	Knights Island Mining and Development Co.; Big Passage Copper Mining Co.	R,8 T.4N.,R.10E.	p	Cu (Zn)	Disseminated	Submarine volcanogenic	po, cp, and associated sl, py, qz, and epid in narrow shear zones in Orca Group basalt	Moffit and Fellows, 1950, p. 68; Grant and Higgins, 1909, p. 88
123	Boyle	R,8 T.4N.,R.10E.	p	Cu			Old Cu prospect; no geologic data available	Grant and Higgins, 1909, p. 88
124	Crown Copper	R,8 T.4N.,R.10E.	p	Cu	Massive, vein	Submarine volcanogenic, hydrothermal	Prospects in Orca Group basalt that explored small lenses and veins of qz, cp, po, py, and epid	Grant and Higgins, 1909, p. 93
125	Unnamed occurrence and Wallace, McPherson, and Valentine	R,8 T.4N.,R.10E.	0, p	Cu	Disseminated	Magmatic?	The occurrence is on a mgt-bearing gabbro with disseminated po and cp; no geologic data available for prospect	Richter, 1965, p. 15, 30-31; Grant and Higgins, 1909, p. 88
126	Lower Herring Bay	R,8 T.4N.,R.10E.	p	Cu	Vein	Submarine volcanogenic?, hydrothermal	cp- and py-bearing qz stringers in Orca Group	R. G. Tysdal, 1977, written commun.

SEWARD QUADRANGLE (Cont.)

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127	Ferguson, Johnson, and Harvey and unnamed occurrences	R,8 T.3N.,R.10E.	p, 0	Cu	Disseminated, massive, vein	Submarine volcanogenic	Small deposits that contain cp, po, and other sulfides in Orca Group sedimentary and volcanic rocks	Grant and Higgins, 1909, p. 88; Richter, 1965, p. 17, 25, 30, 31
128	Pandora	R,8 T.3N.,R.10E.	M	Cu (Ag, Au, Zn)	Massive, disseminated	Submarine volcanogenic, hydrothermal?	cp, po, cub, and qz localized in shear zones in Orca Group greenstone	Moffit and Fellows, 1950, p. 69-70
129	Copper Bullion (Rua Cove)	R,8 T.3N.,R.10E.	P	Cu (Zn)	Massive	Submarine volcanogenic	Lenticular masses of po some cp and sl in sheared Orca Group greenstone; reserves have been estimated as at least 1,125,000 tons of ore at 1.25 percent Cu	Stefansson and Moxham, 1946
130	Marsha Bay	R,8 T.3N.,R.10E.	P	Cu	Massive, vein	Submarine volcanogenic	py, qz, and less abundant cp and py in fractured chert adjacent to schistose greenstone and pillow basalt; in Orca Group	Richter, 1965, p. 17, 24-25, 31
131	South Marsha Bay	R,8 T.3N.,R.10E.	p	Cu (Zn)	Disseminated	Submarine volcanogenic; hydrothermal	Fragmented Orca Group greenstone that contains py, cp, and sl	Richter, 1965, p. 21, 31, 34
132	Monarch and unnamed occurrences	R,8 T.3N.,R.10E.	M, 0	Cu	Massive, disseminated, vein	Submarine volcanogenic	Sheared Orca Group greenstone that contains py and cp	Moffit and Fellows, 1950, p. 71; Richter, 1965, p. 17, 20, 25, 30-31, 34
133	Jonesy; Nellie	R,8 T.3N.,R.10E.	M, p	Cu	Massive	Submarine volcanogenic	Sheared Orca Group greenstone containing masses of po, cp, cub, and qz	Moffit and Fellows, 1950, p. 70-71; Richter, 1965, p. 17-18, 20, 31
134	Hemple	R,8 T.3N.,R.9E.	p	Cu			Old prospects; no geologic data	Grant and Higgins, 1909, p. 88
135	Knights Island Copper Co.; Twentieth Century; Una	R,8 T.3N.,R.10E.	p	Cu (Zn)	Massive, vein	Submarine volcanogenic	Sheared Orca Group greenstone with bunches and lenses of solid sulfides including po, cp, sl, and cub	Moffit and Fellows, 1950, p. 73
136	Knights Island Copper Co.; Grove and Walters	R,8 T.3N.,R.10E.	M, p	Cu	Massive	Submarine volcanogenic	Sulfide lenses, as much as 9 m wide, that contain po and cp; in Orca Group greenstone	Moffit and Fellows, 1950, p. 71-72
137	Copper Coin	R,8 T.3N.,R.10E.	M	Cu	Massive, vein	Submarine volcanogenic	Sulfide-rich masses and veins in sheared Orca Group greenstone	Moffit and Fellows, 1950, p. 72-73
138	Hubbard and Elliott; Moore; Mallard	R,8 T.2N.,R.9E.	p, M, P	Cu (Au)	Massive, disseminated	Submarine volcanogenic	Sulfides in shear zones in Orca Group greenstone	Moffit and Fellows, 1950, p.77; Grant and Higgins, 1909, p. 88; Johnson, 1919a, p. 144, 146
139	Copper Bay; Larson	R,8 T.2N.,R.9E.	p	Cu (Zn)	Disscminated	Submarine volcanogenic	Mineralized shear zones in Orca Group basalt	Moffit and Fellows, 1950, p. 73; Grant and Higgins, 1909, p. 88
140	Graham and Harrison	R,8 T.2N.,R.10E.	p	Cu	Vein	Hydrothermal, submarine volcanogenic	cp- and py-bearing vein in brecciated Orca Group greenstone	Grant and Higgins, 1909, p. 92
141		R,8 T.2N.,R.10E.	p	Cu (Zn)	Disseminated	Submarine volcanogenic	Sheared and brecciated zone in Orca Group slate and greenstone; contain qz, po, cp and sl	R. G. Tysdal, 1977, written commun.
142	Spenberg, Sanberg, and Simpson; Snug Harbor	R,8 T.2N.,R.10E.	p	Cu (Zn)	Massive, disseminated	Submarine volcanogenic	Mainly sulfide-rich lenses in sheared Orca Group sedimentary rocks near greenstone	Grant and Higgins, 1909, p. 88; Moffit and Fellows, 1950, p. 74
143	Harrey; Home Camp; Schultz	R,8 T.2N.,R.9E.	p	Cu	Massive, disscminated	Submarine volcanogenic	Shear zones in Orca Group; contain sulfide-rich lenses and disseminations	Grant and Higgins, 1909, p. 91; Moffit and Fellows, 1950, p. 73
144	Kilbourn (Mummy Bay)	R,8 T.2N.,R.10E.	p	Cu	Disseminated	Submarine volcanogenic	Mineralized shear zone in Orca Group greenstone	Grant, 1908, p. 85
145		R,8 T.2N.,R.9E.	0	Cu (Ag)	Disseminated	Submarine volcanogenic	Mineralized shear zone in Orca Group greenstone	R. G. Tysdal, 1977, written commun.

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146	Minnie	R,8 T.2N.,R.10E.	p	Cu (Zn)	Disseminated	Submarine volcanogenic	Shear zone cutting Orca Group greenstone and sedimentary rocks; contains po, qz, cp, sl, and native Cu	Moffit and Fellows, 1950, p. 75
147	Wilcox; Hogan	R,8 T.1N.,R.10E.	p	Cu	Disseminated,vein	Submarine volcanogenic	cp-bearing veins and disseminations in Orca Group	Grant and Higgins, 1909, p. 101-102
148	Copper Queen; Happy Jack	R,8 T.1N.,R.10E.	M	Cu (Zn)	Vein	Submarine volcanogenic, hydrothermal	qz associated with po, cp, and sl in a shear zone that cuts Orca Group	Moffit and Fellows, 1950, p. 74
149	Latouche (Beatson, Bonanza, Chenega, Girdwood, Kennecott Copper Co., Ladysmith, Blackbird)	R,8 T.1S.,R.9E.	M	Cu (Ag, Au, Pb, Zn)	Massive, disseminated	Hydrothermal, submarine volcanogenic	Large lenticular zones of disseminated cp and smaller zones of massive sulfides, mainly po and py; in Orca Group sedimentary rocks near a major fault; the Beatson produced more than 150 million pounds of copper and ranks second in Alaska copper production (after the Kennecott mines in the Wrangell Mountains)	Bateman, 1924; Moffit and Fellows, 1950, p. 63-65; Moffit, 1954b, p. 298-300
150	Wilson Bay	R,8 T.2S.,R.9E.	p	Cu			Long adit that connects with Latouche mines; scant evidence of mineralization	Moffit and Fellows, 1950, p. 66
151	Reynolds-Alaska Development Co.; Duke, Duchess, Horsehoe Bay	R,8 T.2S.,R.9E.	M	Cu (pyrite, Au, Ag, Zn)	Massive, disseminated	Submarine volcanogenic, hydrothermal	Series of massive sulfide bodies as much as 18 m thick in Orca Group sedimentary rocks; zones of disseminated sulfides envelop the massive sulfides; rich in py; also contains po, cp, cub, and sl	Stever, 1956, p. 107-122
152	Lucky Girl	R,8 T.2S.,R.8E.	p	Cu	Vein	Hydrothermal?, submarine volcanogenic?	Shear zone in Orca Group slate that contains qz stringers that carry calc, po and cp	R. G. Tysdal, 1977, written commun.
153	Latouche Island Copper Mining Co.	R,8 T,1S.,R.9E.	p	Cu	Vein	Hydrothermal?	Thin qz vein that contains py, po, and cp	R. G. Tysdal, 1977, written commun.
154	Latouche Island Copper Mining Co.	R,8 T,2S.,R.9E.	p	Cu	Disseminated, vein	Submarine volcanogenic, hydrothermal	Disseminations and veinlets that contain py and cp; in Orca Group slate and graywacke	R. G. Tysdal, 1977, written commun.
155	Latouche Island Copper Mining Co.	R,8 T.2S.,R.9E.	M	Cu (Zn)	Vein, disseminated	Hydrothermal, submarine volcanogenic	cp, po, sl, and qz in a 2 m wide shear zone in Orca Group sedimentary rocks	R. G. Tysdal, 1977, written commun.
156	Shoo Fly	Q,8 T.1S.,R.7E.	p	Cu (Ag, Au)	Vein	Hydrothermal, submarine volcanogenic	cp-bearing stringers near contact between greenstone and sedimentary rocks of the Orca Grgup	R. G. Tysdal, 1977, written commun.
157	Hogg Bay	Q,8 T.1S.,R.7E.	p	Cu	Vein?	Hydrothermal?	Old prospect in Orca Group	Smith, 1926, p. 21
158	Indian	P,8 T.10N.,R.1W.	p	Au	Disseminated	Placer	Placer Au gravels near beach; overlain by glacial till and soil	Capps, 1916c, p. 187
159	California Creek	P,8 T.10N.,R.2E.	M	Au	Disseminated	Placer	Stream placers	Capps, 1916c, p. 186
160	Crow Creek	P,8 T.11N.,R.2E.	M	Au (Ag, Cu)	Disseminated	Placer	Coarse and fine Au and uncommon native Ag and Cu in high bench gravels, glacial deposits, stream gravels, and buried channels; bed is Valdez Group	Moffit, 1907, p. 40-43; Capps, 1916c, p. 181-186; Park, 1933, p. 404
161		P,8 T.8N.,R.1E.	P	Au	Disseminated	Placer		Carnes, 1976, p. 72; U.S. Geol. Survey, unpub. data
162	Kern Creek	P,8 T.10N.,R.2E.	p	Au	Disseminated	Placer		Capps, 1916c, p. 186-187
163	Resurrection Creek	P,8 Tps.9,10N.,R.2W.	M	Au (Ag)	Disseminated	Placer	Gold from auriferous stream gravels overlying glacial clay	Moffit, 1906, p. 8-9, 33-35; Martin, Johnson, and Grant, 1915, p. 193-195; Carnes, 1976, p. 72

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
164 Bear Creek	P,8 Tps.9,10N.,R.2W	M	Au (Ag, Cu?)	Dissemi-nated	Placer	Derived from stream gravels; native silver found in some places; native copper reported	Moffit, 1906, p. 36
165 Sixmile Creek	P,8 T.9N.,R.1W.	M	Au	Dissemi-nated	Placer	Placer gold in stream and high bench gravels	Tuck, 1933, p. 523, 526
166 Canyon Creek, Gulch Creek, Sixmile Creek, East Fork	P,8 T.8N.,R.1W.	M	Au (Ag)	Dissemi-nated	Placer	Production from creek and bench gravels; gold is flat, smooth, medium coarse to coarse; greatest production in Canyon Creek is from pockets in channel gravels and is particularly high grade	Moffit, 1906, p. 37-38; Martin, Johnson, and Grant, 1915, p. 205, 206-207
167 Canyon Creek	P,8 T.7N.,R.1W.	M	Au	Dissemi-nated	Placer	Production mainly from channel gravels; lesser amount from high bench gravels	Moffit, 1906, p. 37-38
168 Mills Creek and Juneau Creek	P,8 T.7N.,R.1W.	M	Au	Dissemi-nated	Placer	Gold is in stream gravels resting on clay or bedrock; yielded more gold than any other stream on Turnagain Arm	Martin, Johnson, and Grant, 1915, p. 204-205; Tuck, 1933, p. 521-522
169 Silvertip Creek	P,8 Tps.7,8N.,Rs.1E.1W.	M	Au	Dissemi-nated	Placer	Gold from creek gravels	Martin, Johnson, and Grant, 1915, p. 206
170 Lynx Creek	P,8 T.7N.,R.1E.	M	Au (Cu)	Dissemi-nated	Placer	Production from bench	Martin, Johnson, and Grant, 1915, p. 207-208
171 Bertha Creek, Granite Creek	P,8 T.8N.,R.1E.	M	Au	Dissemi-nated	Placer	Gold is fine, bright yellow, and fairly smooth, taken from coarse gravel	Moffit, 1906, p. 40
172 Quartz Creek	P,8 T.5N.,R.2W.	P	Au	Dissemi-nated	Placer	Coarse gold in gravel-covered benches; gold-bearing quartz veins found downstream	Martin, Johnson, and Grant, 1915, p. 201-202; U.S. Geol. Survey, unpub. data
173 Cooper Creek	P,8 T.5N.,R.3W.	M	Au	Dissemi-nated	Placer	Gold unevenly distributed in deltaic, glacial, and fluvio-glacial deposits in flat around mouth of creek, with lesser amount in moraine and fluvial benches upstream	Martin, Johnson, and Grant, 1915, p. 199-201
174 Kenai River	P,8 T.5N.,R.4W.	M	Au	Dissemi-nated	Placer	Most gold found in top few inches of gravel banks; also a small amount in old lacustrine delta deposits; gold is mostly very fine, light, and flaky	Martin, Johnson, and Grant, 1915, p. 181-182, 197-199
175 Falls Creek	P,8 T.4N.,R.1E.	M	Au (Cu)	Dissemi-nated	Placer	Minor amounts of gold recovered from low gravel benches	Martin, Johnson, and Grant, 1915, p. 202
176 Johnson Creek	P,8 T.10N.,R.3W.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
177 Cripple Creek	P,8 T.10N.,R.2W.	P	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
178	P,8 T.10N.,R.2W.	P	Au (Pt)	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
179	P,8 T.10N.,R.2W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
180	P,8 T.10N.,R.1W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
181 Winner Creek	Q,8 T.10N.,Rs.2,3E.	M	Au	Dissemi-nated	Placer	Gold is similar in fineness to that in Crow Creek (160)	Capps, 1916c, p. 186; Park, 1933, p. 405-406
182 Palmer Creek	P,8 T.9N.,Rs.1,2W.	M	Au (Ag)	Dissemi-nated	Placer	Most mining done in lower 1.5 miles of creek; stream gravels are slate, arkose, and some granitic boulders; about one third of gold is from bedrock; gold is coarse, heavy, flattened, and smooth; native silver present in some deposits	Moffit, 1906, p. 8, 35-36; U.S. Bur. Mines, 1973

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) (Minor constituents or potential byproducts in parentheses)	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
183 Resurrection Creek	P,8 Tps.7,8N.,R.2W.	M	Au	Dissemi-nated	Placer	Not as productive as segment below Palmer Creek; gold is in stream placer	U.S. Bur. Mines, 1973
184 Fox Creek	P,8 Tps.7,8N.,Rs.2,3W.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
185 Abernathy Creek	P,8 T.7N.,R.3W.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
186	P,8 T.7N.,Rs.1,2W.	p	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
187 Weber Creek; Wilson Creek	P,8 T.7N.,R.1W.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
188 Black Creek	P,8 T.7N.,R.1W.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
189 Mills Creek	P,8 T.7N.,R.1W.	M	Au	Dissemi-nated	Placer		U.S. Geol. Survey, unpub. data
190 Canyon Creek	P,8 T.6N.,R.1W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
191 Summit Creek	P,8 T.6N.,R.2N.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
192 Seattle Creek	P,8 T.9N.,R.2E.	M	Au	Dissemi-nated	Placer		Moffit, 1906, p. 43
193	P,8 T.9N.,R.1E.	p	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
194 Ingram Creek	P,8 Tps.8,9N.,R.2E.	M	Au	Dissemi-nated	Placer		Moffit, 1906, p. 43
195	P,8 T.8N.,R.2E.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
196 Groundhog Creek	P,8 T.7N.,R.1E.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
197 Center Creek	P,8 T.7N.,R.1E.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
198 Crescent Creek	P,8 T.5N.,R.2W.	p	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
199	P,8 T.5N.,R.3W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
200	P,8 T.5N.,R.3W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
201 Russian River	P,8 Tps.4,5N.,R.4W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
202	P,8 T.4N.,R.2W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
203 Shaft Creek	P,8 T.5N.,R.3W.	p	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
204	P,8 T.5N.,R.1E.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
205 Victor Creek	P,8 T.3N.,R.1E.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
206 Jones and Company (Canyon Creek)	P,8 T.7N.,R.1W.	P	Au	Dissemi-nated	Placer	Gold concentration is spotty, occurring in isolated stream bars; gravels are slate and arkose	Moffit, 1906, p. 37-38; Carnes, 1976, p. 72; U.S. Geol. Survey, unpub. data
207 Resurrection River	P,8 T.1N.,R.3W.	M	Au	Dissemi-nated	Placer		Smith, 1926, p. 12; U.S. Bur. Mines, 1973
208 Fourth of July Creek	P,8 T.1S.,R.1E.	P	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
209 Tonsina Creek	P,8 T.2S.,R.3W.	p	Au?	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
210	P,8 T.5N.,R.2W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
211 Devils Creek	P,8 T.5N.,R.2W.	P	Au	Dissemi-nated	Placer		Carnes, 1976, p. 72; U.S. Geol. Survey, unpub. data

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212	P,8 T.5N.,R.2W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
213	P,8 T.6N.,Rs.2,3W.	P	Au	Dissemi-nated	Placer		Carnes, 1976, p. 72; U.S. Geol. Survey, unpub. data
214 Bench Creek	P,8 T.7N.,R.1E.	p	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973
215	P,8 T.8N.,R.1W.	P	Au	Dissemi-nated	Placer		Carnes, 1976, p. 72; U.S. Geol. Survey, unpub. data
216	P,8 T.7N.,R.3W.	P	Au	Dissemi-nated	Placer		U.S. Bur. Mines, 1973

TALKEETNA QUADRANGLE
(latitude, 62°-63°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1. Shellabarger Pass	M,10 T.29N.,R.19W.	P	Cu,Zn(Ag,Pb)	Massive, disseminated	Submarine volcanogenic	Massive and disseminated sulfide lodes localized in a sequence of Mesozoic(?) marine volcanic and sedimentary rocks, generally near faults; the deposits contain py, marc, sl, cp, gn, and po; more than 300 claims in vicinity	Reed and Eberlein, 1972
2. Mespelt (Purkey pile)	M,10 Tps.32,33N.,R.16W.	P	Pb,Ag(U,Sn)	Vein	Hydrothermal	??-carbonate veins that contain gn and minor amounts of secondary U minerals; in Tertiary granite; local tourmaline and greisen	Maloney and Thomas, 1966, p. 9-11
3. J and K (Purkey)	M,10 T.33N.,R.15W.	P	Ag(Pb)	Massive, disseminated	Replacement, metamorphic?	po-rich lens in schist and sporadically distributed sulfides in iron-rich dolomite; the host rocks are lower Paleozoic metamorphic rocks near Tertiary granite	Maloney and Thomas, 1966, p. 11-12; Capps, 1927, p. 108-109
4. Upper Nugget Creek	O,10 Tps.28,29N.,R.9W.	p	Au	Vein	Hydrothermal	Thin qz-aspy veins in upper Masozoic argillite and graywacke and locally in small Tertiary granitic plutons; sparsely distributed Au	Clark and Hawley, 1968, p. 59
5. Colby	O,10 T.29N.,R.9W.	p	Au(Ag)	Disseminated, vein	Hydrothermal	aspy disseminated in a Tertiary felsic dike and also locally in a thin qz vein that borders the dike; minor Au values	Clark and Hawley, 1968, p. 59-60
6. Bradley (Bird Creek)	O,10 T.29N., R.9W.	p	Au(W)	Vein	Hydrothermal	Thin qz veins, mainly ladder veins, in Tertiary felsic porphyry dikes that cut upper Masozoic argillite and graywacke; the veins contain aspy, minor sch, and some free Au	Clark and Hawley, 1968, p. 50, 58
7. Cummins	O,10 T.30N.,R.8W.	p	Au(Ag,Sn,Bi,W)	Vein	Hydrothermal	Thin aspy-bearing qz veins throughout a zone as much as 10 m wide; the veins contain sporadically distributed Au and minor to trace amounts of Ag, Bi, Sn, and W; the country rock is upper Mesozoic argillite and graywacke	Clark and Hawley, 1968, p. 49-50
8. Boedeker	O,10 T.33N.,Rs.4,5W.	p	Au	Vein	Hydrothermal	Numerous qz veins, as much as 3 m thick but generally much thinner, that cross-cut an upper Masozoic argillite-graywacke sequence; the veins contain aspy, py, and some Au	Tuck, 1934, p. 138-139
9. Curry	O,10 T.29N.,R.4W.	p	Mo	Vein	Hydrothermal	Small amounts of mo in qz veinlets that cut a Tertiary felsic dike	Smith, 1942a, p. 189-190
10. Montana	O,10 T.28N.,R.4W.	O	Fe	Massive		Small bog iron deposit that contains limonite and related Fe minerals; still actively forming	Berg and Cobb, 1967, p. 35
11. Kichatna River	N,10 T.24N.,R.14W.	M	Au,Pt	Disseminated	Placer	Old placer operations on river bars, mainly for Pt	Martin, 1919, p. 32-33
12. Pass Creek	N,10 T.27N.,R.12W.	M	Au	Disseminated	Placer		Smith, 1939b, p. 39
13. Big Boulder Creek, John(s) Creek, Little Boulder Creek, Twin Creek	N,10 T.26N.,R.12W.	M	Au	Disseminated	Placer	Placer deposits in streams that drain the Kenai Group (Tertiary)	Capps, 1913, p. 70; Alaska Dept. Mines, 1954, p. 39

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14. Chicago Gulch, Mills Creek, Wagner Gulch	N,10 T.26N.,R.12W.	M	Au	Disseminated	Placer	Placers in streams that drain a region of upper Mesozoic argillite and graywacke and upper Tertiary coal-bearing sedimentary rocks (Kenai Group)	Capps, 1913, p. 68-70; Alaska Dept. Mines, 1954, p. 39
15. Cache Creek	N,10 T.27N.,R.10W.	M	Au	Disseminated	Placer	Placer Au in gravels that overlie glacial till	Smith, 1938, p. 42-43
16. Cache Creek, Lucky Gulch, Rambler Creek, Short Creek	N-O,10 Tps.27,28N.,R.9W.	M	Au(Ag,Pt,Th,U?)	Disseminated	Placer	Site of major mining; in stream and bench placers in Tertiary sedimentary rocks; upper Mesozoic argillite and graywacke in the stream's provenance; Ag and Pt have been recovered as byproducts; some radioactive heavy minerals in the placer concentrates	Capps, 1913, p. 53-57, 60; Mertie, 1919, p. 243-248; Robinson, Wedow, and Lyons, 1955, p. 2; Smith, 1933a, p. 28
17. Windy Creek	N,10 T.27N.,R.9W.	M	Au(Ag)	Disseminated	Placer	Bench placers of glacio-fluvial origin	Mertie, 1919, p. 254
18. Cheechako Gulch	N,10 T.28N.,R.9W.	M	Au	Disseminated	Placer		Smith, 1933b, p. 29
19. Dollar Creek	N,10 T.28N.,R.10W.	M	Au	Disseminated	Placer, hydrothermal	Stream placers and deposits in Tertiary qz conglomerate	Mertie, 1919, p. 252-254; Capps, 1925, p. 54-57, 59; Clark and Hawley, 1968, p. 35-40
20. Falls Creek, Ruby Creek, Treasure Creek	N,10 T.28N.,Rs.9,10W.	M	Au	Disseminated	Placer	Bench placers on Falls Creek	Mertie, 1919, p. 251-252; Smith, 1939b, p. 39; Smith, 1917, p. 42
21. Thunder Creek	N-O,10 T.28N.,R.9W.	M	Au	Disseminated	Placer, hydrothermal	Stream placers and Au-bearing deposits of probable hydrothermal origin in Tertiary qz conglomerate	Mertie, 1919, p. 249-251; Capps, 1925, p. 55, 57-59; Clark and Hawley, 1968, p. 35-40
22. Nugget Creek	O,10 T.28N.,R.9W.	M	Au	Disseminated	Placer	Stream placers and bench placers of glacio-fluvial origin	Capps, 1913, p. 58-60; Mertie, 1919, p. 248-249
23. Gold Creek	O,10 T.28N.,R.9W.	M	Au(Ag)	Disseminated	Placer		Capps, 1913, p. 58
24. Bird Creek	O,10 T.29N.,R.9W.	M	Au	Disseminated	Placer	Bench placers of glacio-fluvial origin	Mertie, 1919, p. 260-261; Clark and Hawley, 1968, p. 33
25,26. Peters Creek	O,10 Tps.28,29N., Rs.8,9W.	M	Au	Disseminated	Placer	Stream and bench placers	Capps, 1913, p. 64-65; Mertie, 1919, p. 255-257
27. Falls Gulch, Gopher Creek, Rocky Gulch, Ruby Creek, Slate Creek, Snow Gulch, Willow Creek	O,10 T.29N.,R.8E.	M	Au(Pt,Sn)	Disseminated	Placer, hydrothermal	Stream and bench deposits including some deposits in Tertiary white qz conglomerate	Capps, 1913, p. 66; 1925, p. 55, 58-59; Mertie, 1919, p. 259-260; Clark and Hawley, 1968, p. 36-37
28. Poorman Creek	O,10 T.29N.,R.8E.	M	Au(Pt,Sn,Th,U?)	Disseminated	Placer, hydrothermal?	Mainly bench placers; local mineralized bedrock; the placer concentrates contain Pt-group minerals, and some cassiterite and heavy radioactive minerals	Mertie, 1919, p. 257-259; Robinson, Wedow, and Lyons, 1955, p. 2
29. First Creek	N,10 T.29N.,R.9W.	M	Au	Disseminated	Placer		Smith, 1938, p. 43
30. Canyon Creek	O,10 T.29N.,R.8W.	M	Au(Pt,Sn)	Disseminated	Placer	Mainly stream placers	Mertie, 1919, p. 261-262
31. Kahiltna River (Sholan Bar)	O,10 Tps.24,25N.,R.9W.	M	Au(Pt,Th)	Disseminated	Placer	Concentrates contain minor amounts of a heavy thorium-bearing mineral	Mertie, 1919, p. 262; Bates and Wedow, 1953, p. 9
32.	M,10 T.22N.,R.17W.	P	U,Th			Lode claims for radioactive elements	U.S. Bur. Mines, 1973
33.	O,10 T.23N.,R.9W.	M	Au(Pt)	Disseminated	Placer		"
34.	O,10 T.24N.,R.9W.	P	Au	Disseminated	Placer	Probably prospective dredging ground	"

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35.	N,10 T.24N.,R.10W.	M	Au	Disseminated	Placer		U.S. Bur. Mines, 1973
36.	N,10 T.24N.,R.11W.	P	Au	Disseminated	Placer	Several placer Au prospects in the vicinity of Mt. Yento	"
37.	N,10 T.25N.,R.15W.	p	Au	Disseminated	Placer		"
38.	N,10 T.25N.,R.14W.	p	Au	Disseminated	Placer	Placer Au claims	"
39.	O,10 T.26N.,R.4W.	p	Au	Disseminated	Placer	"	"
40.	O,10 T.26N.,R.6W.	p	Au	Disseminated	Placer	"	"
41.	N,10 T.26N.,R.12W.	p	Au	Disseminated	Placer	"	"
42.	N,10 T.27N.,R.12W.	p	Au	Disseminated	Placer	"	"
43.	N,10 T.27N.,R.12W.	M	Au	Disseminated	Placer		"
44.	N,10 T.27N.,R.11W.	P	Au	Disseminated	Placer	Placer Au claims	"
45.	N,10 Tps.27,28N.,R.11W.	P	Au	Disseminated	Placer	"	"
46.	N,10 T.27N.,Rs.9,10W.	P	Au	Disseminated	Placer	Numerous placer Au claims in vicinity	"
47.	O,10 T.27N.,R.8W.	P	Au	Disseminated	Placer	Placer Au claims	"
48.	O,10 Tps.28,29N.,R.5W.	p	Au			Lode claims for Au	"
49.	O,10 Tps.27,28N.,R.8W.	M	Au	Disseminated	Placer	Extensive area covered by placer Au claims; probably includes several types of placer deposits	"
50.	N,10 T.28N.,R.10W.	M	Au	Disseminated	Placer	Numerous placer Au claims	"
51.	N,10 T.28N.,R.11W.	M	Au	Disseminated	Placer	Placer Au claims	"
52.	N,10 T.28N.,R.13W.	p	Au	Dissemianted	Placer	"	"
53.	N,10 T.29N.,R.18W.	P	Au			Lode claims for Au	"
54.	N,10 T.29N.,R.10W.	M	Au	Disseminated	Placer		"
55.	O,10 T.29N.,R.8W.	M	Au	Disseminated	Placer		"
56.	O,10 T.28N.,Rs.7,8W.	M	Au	Disseminated	Placer	Numerous placer Au claims in vicinity	"
57.	O,10 T.29N.,R.7W.	?	Au	Disseminated	Placer	Placer Au claims	"
58.	O,10 T.29N.,R.5W.	p	Au	Disseminated	Placer	"	"
59.	O,10 T.30N.,R.5W.	P	Au	Disseminated	Placer	"	"
60.	O,10 T.30N.,R.6W.	p	Au	Disseminated	Placer	"	"
61.	O,10 T.30N.,R.8W.	p	Au	Disseminated	Placer	"	"
62.	O,10 Tps.29,30N., Rs.8,9W.	M	Au	Disseminated	Placer	"	"
63.	O,10 Tps.30,31N.,R.9W.	P	Au	Vein	Hydrothermal	Lode claims for Au	"
64.	O,10 T.33N.,R.5W.	P	Au	Vein	Hydrothermal	"	"

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65.	M,10 T.31N.,R.18W.	0	Cu	Lens, disseminated		Thin stratiform lens of cc in lower Paleozoic phyllite; minor disseminated secondary Cu minerals	B. L. Reed, 1977, written communication
66. Sheep Mountain	M,10 T.31N.,R.17W.	0	Pb,Zn,Ag(Sb)	Gossan	Hydrothermal	Sporadically distributed Mn-rich gossans in metasedimentary rocks; spatially associated with felsite porphyry dikes and a Tertiary granite stock	"
67. Hogback	M,10 T.32N.,R.16W.	P	Ag,Pb,Zn(Sn)	Vein, massive, disseminated	Hydrothermal	Argentiferous gn and sl in quartzite and limestone adjacent to Tertiary granite	Maloney and Thomas, 1966, p. 6
68. Boulder Creek (Purkey)	M,10 T.33N.,R.15W.	P	Sn,Ag(Pb)	Disseminated, vein	Hydrothermal	Cassiterite, aspy, and argentiferous gn in hornfels near Tertiary granite	B. L. Reed, 1977, written communication
69.	M,10 T.32N.,R.15W.	0	Be	Disseminated	Greissen?	Float of altered biotite granite that contains beryl crystals	"
70.	M,10 T.32N.,R.15W.	0	Be	Disseminated	Greissen	Float of greissen that contains about 20 percent beryl (by volume)	"
71.	M,10 T.28N.,R.18W.	0	Cu	Disseminated	Magmatic?	Altered gabbro stock that contains disseminated Cu minerals	"
72.	M,10 T.28N.,R.18W.	0	W(Au)	Vein	Hydrothermal	Thin qz, tourmaline, wolframite, sch vein in calc-silicate rock that is intruded by Tertiary granite	"
73.	M,10 T.28N.,R.17W.	0	Au,Cu	Disseminated	Hydrothermal	Disseminated sulfides in upper Paleozoic sedimentary rocks near a Tertiary quartz monzonite stock	"
74.	M,10 T.28N.,R.17W.	0	Au	Disseminated	Placer	Au in pan concentrate sample	"
75.	M,10 T.28N.,Rs.16,17W.	0	Cu(Au,Ag)	Massive, vein	Contact metamorphic?, replacement, vein	Massive bn and cp replacements in limestone; also Au-bearing qz veins nearby; location approximate	"
76.	M,10 T.28N.,R.16W.	0	Cu(Ag,Zn)	Disseminated	Hydrothermal	Disseminated sulfides in argillite and graywacke	"
77.	M,10 T.28N.,R.15W.	0	Au(Ag)	Disseminated	Placer	Au in stream gravels	"
78.	M,10 T.28N.,R.15W.	0	Au,Cu(W)	Disseminated	Magmatic	Disseminated sulfides in felsite dike	"
79.	M,10 T.31N.,R.14W.	0	Cr	Disseminated, massive	Magmatic	Disseminated chromite in ultramafic rock; massive chromite float	"
80.	M,10 T.31N.,R.14W.	0	Mo	Vein	Hydrothermal	mo-qz vein, less than 0.5 m wide, that cuts chromite-bearing dunite	"
81.	M,10 T.31N.,R.14W.	0	Cr	Disseminated	Magmatic	Disseminated chromite in dunite	"
82.	M,10 T.30N.,R.14W.	0	Cr	Disseminated	Magmatic	Disseminated chromite in dunite	"
83.	M,10 T.30N.,R.14W.	0	Cr(Ni)	Disseminated	Magmatic	Disseminated chromite and some sulfide minerals in mafic and ultramafic rocks	"
84.	M,10 T.30N.,R.13W.	0	Mo(Cu)	Veinlet	Porphyry?	Cobbles of Middle Tertiary granodiorite on moraine that contain numerous veinlets of mo, py, and cp	"
85.	M,10 T.31N.,R.13W.	0	Mo(Cu)	Veinlet	Porphyry?	"	"
86.	M,10 T.31N.,R.12W.	0	Cr	Massive, disseminated	Magmatic	Podiform and disseminated chromite in dunite; largest observed chromite pod 2 m thick and 20 m long	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
87.	N,10 T.32N.,R.12W.	0	Cr	Massive, disseminated	Magmatic	Podiform and disseminated chromite in dunite sills	Bruce Reed, 1977, written commun.
88.	N,10 T.33N.,R.11W.	0	Cu,Au(Ag,Mo)	Disseminated, vein	Hydrothermal	Disseminated py, cp, and other sulfides in sheared upper Paleozoic argillite and limestone; float of massive Au-bearing aspy nearby	"
89.	M,10 T.26N.,R.18W.	0	Cu(Ag,Au)	Disseminated, vein?	Porphyry	Altered Lower Tertiary quartz monzonite that contains local disseminations of cp, py, and po	"
90.	M,10 T.22N.,R.20 W.	0	Au	Veinlet	Hydrothermal	aspy veinlets in float of altered granodiorite that contain minor to trace amounts of Au	"
91.	M,10 T.22N.,R.16W.	0	Au	Disseminated	Placer	Abundant Au in pan concentrate samples of stream gravels	"
92.	N,10 T.30N.,R.10W.	0	Sn	Disseminated	Greissen	Weakly mineralized Sn-bearing greissen	"
93.	O,10 T.31E.,R.9W.	0	Au	Disseminated	Magmatic?	py, aspy, and minor amounts of Au in a 1-m-thick aplite dike	"

TALKEETNA MOUNTAINS QUADRANGLE
(latitude, 62°-63°; longitude, 147°-150°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Ihly (Gold Creek)	P,10 T.30N.,R.1W.	P	Pb, Ag	Vein	Hydrothermal	Argentiferous gn in qz veinlets that cut an altered dike within Cretaceous flysch	Berg and Cobb, 1967, p. 27
2 Mint	P,10 T.32N.,Rs.1W.,1E.	M	Ag (Sb)	Veinlets, breccia	Hydrothermal	Pyrargyrite and miargyrite, along with minor amounts of other sulfides, mainly in qz veinlets that cut Cretaceous slate and altered Tertiary dikes	Capps and Short, 1926
3	P,10 T.32N.,R.1E.	P	Mo (Cu)	Disseminated	Hydrothermal, porphyry?	mo with py and minor cp and sl in silicfied zones in Tertiary quartz monzonite	Richter, 1963
4 Treasure Creek	P,10 T.32N.,R.1E.	P	Mo (Cu,Au,Zn)	Vein and Veinlet	Hydrothermal, porphyry?	mo and associated sulfides in border zone of a Tertiary quartz monzonite stock and in adjacent hornfels; locally near faults	Richter, 1963
5 Copper Queen	P,10 T.26N.,R.1E.	p	Cu (Au)	Vein, massive	Hydrothermal	cp, py, and aspy localized in a shear zone in upper Paleozoic andesitic greenstone	Capps, 1919a, p. 199-201
6 Copper King and Copper Wonder	P,10 T.26N.,Rs.1,2E.	p	Cu	Vein	Hydrothermal	cp, hem, qz, and py in shear zones that cut upper Paleozoic andesitic greenstone	Capps, 1919a, p. 201-202
7 Phoenix, Eastview, Blue Lode	P,10 T.26N.,R.2E.	p	Cu	Vein	Hydrothermal	cp, bn, az, ml, and hem in shear zones that cut upper Paleozoic andesitic greenstone and marble	Capps, 1919a, p. 202-203
8 Talkeetna	P,10 T.26N.,R.2E.	p	Cu	Vein, disseminated	Hydrothermal	Replacement lodes along shear zones and in adjacent wallrock (upper Paleozoic andesitic greenstone and marble); the lodes contain cp, hem, py, and qz	Capps, 1919a, p. 203-204
9	Q,10 T.28N.,Rs.4,5E.	O	Cu	Vein	Hydrothermal	Several occurrences in general vicinity, mainly in upper Paleozoic metasedimentary and metavolcanic rocks, that contain minor cp and secondary copper minerals	Rose, 1967a, p. 4-5
10	Q,10 T.28N.,R.5E.	O	Cu	Disseminated	Hydrothermal	Minor Cu occurrences and some anomalous Cu values in stream sediments in general vicinity	Rose, 1967a, p. 4 Anderson, 1969, p. 7-8
11 Susitna River - Gold Creek	P,10 T.31N.,R.2W.	M	Au	Disseminated	Placer	Gold placers sporadically explored for many years; probably token production	Capps, 1919b, p. 231
12	Q,10 T.28N.,R.5E.	O	Au,Ag,Cu	Vein, disseminated	Hydrothermal	Minor anomalous amounts of Au, Ag, and Cu in rock and vein samples from general area; country rock chiefly upper Paleozoic metavolcanics	Anderson, 1969, p. 11-12
13 Roaring Creek	R,10 T.25N.,R.8E.	p	Au	Disseminated	Placer		Chapin, 1918, p. 64
14 Granite Creek	R,10 T.26N.,R.9E.	p	Au	Disseminated	Placer		Chapin, 1918, p. 64
15 Gold Creek	R,10 Tps.25,26N.,R.9E.	p	Au	Disseminated	Placer		Chapin, 1918, p. 64

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
16 Yacko Creek	R,10 T.25N.,R.11E.	M	Au	Disseminated	Placer	Coarse, flat gold; probably minor production	Chapin, 1918, p. 64
17 Fourth of July Creek	R,10 Tps.25,26N.,R.12E.	P	Au	Disseminated	Placer		Chapin, 1918, p. 64
18 Daisy Creek	R,10 T.25N.,R.12E.	P	Au	Disseminated	Placer		Chapin, 1918, p. 64
19 Mazuma Creek	R,10 T.23N.,R.9E.	P	Au	Disseminated	Placer	Gold derived from Tertiary conglomerate	Martin and Mertie, 1914, p. 279-280
20 Albert Creek	R,10 T.22N.,R.12E.	M	Au	Disseminated	Placer	Produced about 150 ounces of gold during 1914	Chapin, 1918, p. 59-62
21 North Creek	R,10 T.22N.,R.12E.	P	Au	Disseminated	Placer		Martin and Mertie, 1914, p. 278
22 Crooked Creek	R,10 T.23N.,R.12E.	P	Au	Disseminated	Placer		Chapin, 1918, p. 60-61
23	R,10 T.22N.,Rs.11,12E.	O	Zeolites	Disseminated	Diagenic and metamorphic	Extensive zones of mordenite and other zeolites of possible economic interest; localized in tuffaceous parts of Lower Jurassic Talkeetna Formation; extend into Anchorage quadrangle and probably elsewhere in Talkeetna Mountains quadrangle	Hawkins, 1976
24 Lichen	R,10 T.32N.,R.11E.	O	Cu(Au,Ag)	Disseminated and veinlet	Submarine volcanogenic	cp, bn, and other Cu minerals in upper Paleozoic metamorphic, mainly metavolcanic, rocks	Smith and others, 1975
25	P,10 T.25N.,R.1W.	P	Cu(Mo)	Disseminated	Porphyry	Cu minerals and mo associated with Tertiary granite	U.S. Geol. Survey, unpublished data, 1976
26	Q,10 T.25N.,R.3E.	P	Cu	Vein?	Hydrothermal?	Cu minerals, mainly ml, in breccia zone; site of diamond drilling in early 1970's; mainly in Jurassic intrusive rocks	"
27	Q,10 T.28N.,R.5E.	P	Cu	Disseminated, massive	Submarine volcanogenic	Cu minerals and associated py in upper Paleozoic, mainly metavolcanic, rocks	"
28	R,10 T.32N.,R.8E.	P	Cu	Disseminated, massive and vein?	Hydrothermal?	Cu minerals, mainly cp, within an extensive shear zone near contact between upper Paleozoic and Triassic volcanic rocks	"
29	R,10 T.3N.,R.10W.	P	Au	Disseminated	Placer		U.S. Bur. Mines, 1973
30	R,10 T.22N.,R.11E.	P	Au	Disseminated	Placer		"
31	R,10 T.22N.,R.9E.	P	Au	Disseminated	Placer		
32	R,10 T.4N.,R.10W.	P	Au	Disseminated	Placer		"
33	R,10 T.23N.,R.12E.	P	Au	Disseminated	Placer		"
34	R,10 Tps. 23,24N.,R.10E.	P	Au	Disseminated	Placer		"
35	P,10 T.23N.,R.1E.	P	Cu(Au,Ag)	Vein?	Hydrothermal?	Claims in Tertiary - Cretaceous granitic rocks	"
36	P,10 T.23N.,Rs.2,3W.	P	Au	Disseminated	Placer		"
37	R,10 T.6N.,R.10W.	P	Au	Disseminated	Placer		"
38	R,10 Tps.25,26N.,R.6E	P	Cu(Au)	Vein?	Hydrothermal?	Claims in Jurassic granitic rocks	"
39	Q,10 T.25N.,Rs.5,6E.	P	Au	Disseminated	Placer		"
40	R,10 T.26N.,R.10E.	P	Au?	Disseminated	Placer		"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constitutents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
41	Q,10 T.26N.,R.4E.	p	Cu? Au?			Lode claims, mostly in volcanic rocks	U.S. Bureau of Mines, 1973
42	P,10 T.26N.,R.2E.	P	Cu	Disseminated	Hydrothermal	Claims in upper Paleozoic, mainly volcanic, rocks	"
43	P,10 T.27N.,R.1E.	p	Au	Disseminated	Placer		"
44	P,10 T.27N.,R.4W.	p	Au	Disseminated	Placer		"
45	R,10 T.28N.,R.9E.	p	Au	Disseminated	Placer		"
46	P,10 T.28N.,Rs.3,4W.	p	Au	Disseminated	Placer		"
47	P,10 T.28N.,R.3W.	p	Au	Disseminated	Placer		"
48	P,10 T.28N.,R.4W.	p	Au	Disseminated	Placer		"
49	P,10 Tps.28,29N.,R.3W.	M	Au	Disseminated	Placer		"
50	Q,10 T.30N.,R.3E.	p	Au	Disseminated	Placer		"
51	Q,10 T.30N.,R.2E.	p	Au	Disseminated	Placer		"
52	P,10 Tps.29,30N.,R.2W.	p	Au	Disseminated	Placer		"
53	Q,10 T.31N.,R.3E.	p	Au	Disseminated	Placer		"
54	P,10 T.31N.,R.2W.	p	Au	Disseminated	Placer		"
55	P,10 T.32N.,R.2W.	p	Cu(Au,Bi)	Vein?	Hydrothermal?	Lode claims in Tertiary granite	"
56	R,10 T.22S.,R.2W.	P	Cu	Disseminated	Porphyry	Low-grade cp-bearing deposit in syenite	U.S. Geol. Survey, unpublished data, 1976
57	Q,10 T.22S.,R.5W.	p	Au	Disseminated	Placer		U.S. Bureau of Mines, 1973
58	P,10 T.22S.,R.12W.	p	Au(Ag)	Vein	Hydrothermal	Lode claims in Mesozoic argillite	"
59	P,10 T.22S.,R.12W.	p	Au	Vein	Hydrothermal	Lode claims in Mesozoic argillite	"

TANACROSS QUADRANGLE (Approximate southern one-third)
(latitude, 63°-64°; longitude, 141°-144°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Stibnite mine and nearby prospects	V,11 T.17N.,R.8E.	M,p	Sb(Au)	Vein	Hydrothermal	On qz veins as much as 6 m thick that contain thinner sb-rich zones; cut lower Paleozoic or Precambrian rocks, chiefly schists; recent production	Moffit, 1954a, p. 207-208; Joesting, 1942, p. 13; Singer and others, 1976
2 Noah	V,11 T.16N.,Rs.10,11E.	P	Cu			Cu prospect in schist near a Mesozoic or Tertiary granitic pluton	Singer and others, 1976
3	W,11 T.18N.,R.15E.	P	Cu(Mo)	Disseminated	Porphyry	Recent claims that extend beyond the boundary of southern Alaska RAMRAP area; in silicified and deeply leached quartz monzonite and Tertiary quartz porphyry	Singer and others, 1976
4	X,11 T.15N.,R.19E.	P	Au	Disseminated	Placer		"
5	X,11 T.15N.,R.20E.	P	Au			Placer Au prospect	"
6 B.C.	X,11 T.15N.,R.23E.	P	Au	Disseminated, vein	Placer, hydrothermal	Eluvial (residual) placers and Au-bearing bench gravels, about 6 m thick; overlying decomposed granodiorite that contains Au-bearing qz veins; some nearby stream placers	"
7 Move and nearby prospects	X,11 Tps.14,15N.,R.23E.	P	Au	Vein	Hydrothermal	Au-bearing qz veins in Mesozoic or Tertiary granitic rocks	"
8 Tok	V,11 T.17N.,R.7E.	p	Au	Vein?	Hydrothermal?	Lode claims for Au; probably on qz veins in lower Paleozoic or older metamorphic rocks	"
9	X,11 T.16N.,R.18E.	P	Cu?			Lode claims, probably for Cu, in an area of lower Paleozoic or older metamorphic rocks	U.S. Bur. Mines, 1973

TYONEK QUADRANGLE
(latitude, 61°-62°; longitude, 150°-153°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Mount Estelle	M,9 T.20N.,R.20W.	O	Cu, Au(Ag,Pb,Zn, Sb)	Vein, veinlet, disseminated	Hydrothermal, porphyry	Float and stream-sediment samples from the Mount Estelle pluton, a lower Tertiary granitic pluton in the Alaska Range, indicate widespread polymetallic mineral deposits; the stream sediments indicate consistently positive anomalous amounts of Au, Cu, As, and Ag; the rock samples, which represent both porphyry and vein type deposits typically give high values for Au and Cu and some contain anomalous amounts of Ag, As, B, Bi, Mo, Pb, Sb, Sn, Zn, and Mn; cp, secondary Cu minerals, gn, po, aspy, and py have been identified in the samples	Reed and Elliot, 1970, p. 15, 21
2	M,9 T.17N.,R.21W.	O	Sn(Pb,Zn)	Disseminated		Boulder of fine-grained igneous rock that contains disseminated py and anomalous amounts of Sn, Pb, and Zn	Reed and Elliot, 1970, p. 21, 142
3 Shirley Lake	M,9 T.22N.,R.17W.	P	U	Coating?	Hydrothermal?	Sparsely distributed U-bearing minerals localized along joint surfaces in tuff and tuff breccia in a terrane largely of upper Mesozoic metasedimentary rocks; numerous claims in vicinity	Freeman, 1963, p. 29-30
4 Skwentna River	M,9 T.22N.,Rs.16,17W.	O	Au,Cu(Ag,Pb)	Vein, disseminated	Hydrothermal, contact metamorphic	Several occurrences in vicinity (reported in old literature); include gn-bearing qz veins that contain some Au and contact metamorphic deposits, mainly in metavolcanic rocks adjacent to Tertiary plutons; these carry cp and some Au	Spurr, 1899, p. 111-112
5 Hayes Glacier	M,9 T.19N.,R.17W.	P	Mo	Vein	Hydrothermal	mo-bearing qz veins and stringers in a Tertiary granitic stock	Berg and Cobb, 1967, p. 37
6 Kahiltna River	O,9 T.22N.,R.8W.	M	Au(Pt,U,Th)	Disseminated	Placer	Au placers, mainly localized in river bars; the placer concentrates contain minor amounts of Pt and U and Th-bearing minerals	Mertie, 1919, p. 263; Bates and Wedow, 1953, p. 8; Robinson, Wedow, and Lyons, 1955, p. 22
7 Kahiltna River	O,9 T.21N.,R.8W.	M	Au(Pt,U,Th)	Disseminated	Placer	"	"
8 Texas Creek	M,9 T.19N.,R.10W.	P	Au	Disseminated	Placer	Old placer workings on low-grade deposits	Cobb, 1973, p. 23
9 Lewis River	O,9 Tps.15,16N.,R.9W.	M	Au	Disseminated	Placer	Placer deposits in stream channels and alluvial flats	Brooks, 1918, p. 46-47
10	O,9 Tps.14,15N.,Rs.9, 10W.	P	Au	Disseminated	Placer	Stream placers	U.S. Bur. Mines, 1973
11	O,9 T.17N.,R.9W.	P	Au	Disseminated	Placer	Stream placers	"

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCES(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCE
12	M,9 T.17N.,R.18W.	P	Au			Lode claims for Au; probably near contact between lower Tertiary granitic rocks and upper Mesozoic metaflysch	U.S. Bur. Mines, 1973
13	M,9 Tps.19,20N.,R.16W.	P	Mo	Vein	Hydrothermal	mo-bearing qz veins mainly in Tertiary granite	"
14	M,9 T.19N.,R.16W.	P	Mo	Vein	Hydrothermal	mo-bearing qz veins in Tertiary granite	"
15	M,9 T.18N.,R.15W.	P	Mo	Vein	Hydrothermal	mo-bearing qz veins in Tertiary granite	"
16	N,9 T.19N.,R.13W.	P	Au	Disseminated	Placer	Placer Au claims	"
17	N,9 T.19N.,R.12W.	p	Au	Disseminated	Placer	Placer Au claims	"
18	N,9 T.19N.,R.12W.	p	Au	Disseminated	Placer	Placer Au claims	"
19	N,9 T.19N.,R.11W.	p	Au	Disseminated	Placer	Placer Au claims	"
20	O,9 T.20N.,R.5W.	p	Au	Disseminated	Placer	Placer Au claims	"
21	O,9 T.21N.,R.6W.	p	Au	Disseminated	Placer	Placer Au claims	"
22	M,9 T.22N.,R.18W.	P	U	Coating?	Hydrothermal?	Claims for U; mainly in tuffaceous rocks	"
23	M,9 T.22N.,R.17W.	P	U	Coating	Hydrothermal?	Numerous U claims; mainly in tuff and volcanic breccia	"

VALDEZ QUADRANGLE

(latitude, 61°-62°; longitude, 144°-147°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1 Rough and Tough (Reeve and Thompson, Ruff and Tuff)	S,9 T.8S.,R.9W.	M	Au (Ag)	Vein	Hydrothermal	Thin py-bearing qz veins in Valdez Group (Cretaceous) slate and graywacke and Tertiary diorite; minor production	Smith, 1939a, p. 27
2 Gold King	S,9 T.8S.,R.8W.	M	Au (Sb, Zn, Cu, Pb)	Vein	Hydrothermal	qz veins and stringers in Valdez Group graywacke and argillite near granite; the veins contain about 3 percent sulfides including py, gn, sl, cp, and sb	Johnson, 1915, P. 183-185
3 Cameron-Johnson (Valdez Gold), Minnie Olson (Bald Mountain), Rambler	S,9 T.8S.,R.8W.	M	Au (Pb, Zn)	Vein	Hydrothermal	Several claims on numerous qz veins that cut Valdez Group graywacke and argillite; the veins are as much as 3 m thick but generally much thinner; they contain Au, py, aspy, gn, and sl	Johnson, 1915, P. 172-174, 179-180; 1918, P. 190, 192
4 National, Mayfield	S,9 T.8S.,R.9W.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz veins, lenses, and stringers in Valdez Group graywacke and argillite; the deposits contain Au, gn, cp, sl, py, and aspy	Johnson, 1916, p. 143, 145; 1915, P. 185-186
5 Bessie Williams	S,9 T.8S.,R.9W.	P	Au	Vein	Hydrothermal	qz veins in Valdez Group metasedimentary rocks	Johnson, 1915, P. 186
6 Big Four, Hecla	S,9 T.8S.,R.8W.	P	Au (Ag, Pb)	Vein	Hydrothermal	qz and qz-calc veins as much as 1 m thick in Valdez Group, mainly slate; the veins contain py, aspy, gn, and a little Au	Brooks, 1912, P. 124
7 Palmer	S,9 T. 8S.,R.8W.	P	Au	Vein	Hydrothermal	Brecciated qz vein and qz stringers that contain Au and py; in Valdez Group	Brooks, 1912, P. 124
8 I.X.L., Shoup Bay Mining Co., Silver Gem, Spanish	S,9 T.8S.,R.8W.	P	Au (Ag, Pb, Zn, Sb)	Vein and disseminated	Hydrothermal	qz stringers and thin crushed qz-calc veins that contain fragments of Valdez Group country rock; local py impregnations; the deposits contain py, aspy, gn, sl, sb, and Au	Brooks, 1912, P. 123-124; Johnson, 1915, P. 179
9 Bluebird, Whistler	S,9 T.8S.,R.8W	P	Au (Cu, Pb)	Vein and disseminated	Hydrothermal	The Bluebird is on a mineralized shear zone as much as 3 m wide that cuts the Valdez Group and contains fragments of a mafic dike cemented by qz and calc that carry py, po, cp, and gn; the Whistler is on a qz vein that contains fragments of mineralized Valdez Group slate, py, and a little free gold	Johnson, 1915, P. 182; Brooks, 1912, P. 123
10 Alice	S,9 T.8S.,R.8W.	M	Au (Ag, Cu, Pb, Zn)	Vein and veinlet	Hydrothermal	Thin qz veins and veinlets in locally brecciated shear zone that cuts schiztose Valdez Group rocks; the deposit contains Au, py, cp, aspy, sl, and gn	Johnson, 1915, P. 175-176
11 Bunker Hill, Seacoast Mining Co.	S,9 T.8S.,R.8W.	M	Au (Cu, Pb, Zn)	Vein and lenticular	Hydrothermal	Thin qz-carbonate veins and lenses in schistose graywacke and argillite of Valdez Group; contains Au, py, gn, po, cp and sl	Johnson, 1915, P. 178-179, 181
12 Gold Bluff Sealey-Lavis	S,9 T.8S.,R.8W.	M	Au (Cu, Pb, Zn)	Vein, veinlet, lenticular	Hydrothermal	Thin qz veins and qz veinlets and lenses in shear zones; all mainly in schistose graywacke of Valdez Group; contains Au, py, aspy, cp, sl	Johnson, 1915, P. 174-175, 182
13 Guthrie and Belloli	S,9 T.8S.,R.7W	P	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz vein about 1 m in average thickness that cuts Valdez Group graywacke and argillite; contains calc, chl, py, cp, aspy, sl, gn, limon	Johnson, 1915, P. 181

MAP NO. AND NAME(S) (if known)	MAP COORDINATES; LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
14 Cube (Three in One)	S,9 T.8S.,R.7W.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz vein that averages about 0.5 m in thickness and cuts Valdez Group schistose graywacke and argillite; the vein contains Au, cp, sl, gn, and aspy	Johnson, 1915, P. 176-177; 1919a, P. 150-151
15 Cliff	S,9 T.9S.,R.8W.	M	Au (Pb, Zn)	Vein and impregnation	Hydrothermal	Diversely oriented, locally interlacing qz veins, less than 1 m thick that cut schistose graywacke of Valdez Group; the veins contain Au, aspy, py, sl, and gn; largest producer in Valdez district	Johnson, 1915, P. 152-153, 156, 170-172; Moffit, 1954[b], P. 304-306
16 Owl, Thompson-Ford	S,9 T.8S.,R.7W.	M	Au (Cu, Pb, Zn)	Vein and lenses	Hydrothermal	Thin qz veins and lenses in Valdez Group; the veins contain minor amounts of Au, calc, cp, py, sl, gn and lim; minor production from Thompson-Ford	Johnson, 1915, P. 177, 180-181
17 Alaska Gold Hill (Black Diamond)	S,9 T.8S.,R.7W.	P	Au	Vein	Hydrothermal	Probably Au-bearing qz veins in Valdez Group	Johnson, 1919a, P. 151
18 Quitsch	S,9 T.7S.,R.6W.	P	Au (Pb)	Vein	Hydrothermal	Thin qz vein in Valdez Group graywacke; the vein contains minor Au and gn and py	Johnson, 1915, P. 167
19 Big Four	S,9 T.7S.,R.7W.	M	Au (Pb, Zn)	Vein	Hydrothermal	qz veins, as much as 1 m thick, in Valdez Group slate; veins contain Au, py, gn, and sl	Johnson 1915, P. 164-165; Smith, 1937, P. 23-24
20 Hercules, Chesna, Monte Carlo, Sunshine, Slide	S,9 T.7S.,R.6W.	M	Au (Pb, Zn)	Vein	Hydrothermal	Thin qz veins in Valdez Group slate and graywacke; the veins contain calc, py, gn, chl, sl, and po	Johnson, 1915, P. 165, 168; 1919[a], P. 151; Brooks, 1912, P. 125-126
21 Forty Five, High Grade	S,9 T.8S.,R.6W.	P	Au (Cu,Pb,Zn)	Vein	Hydrothermal	Narrow qz veins in sheared Valdez Group graywacke; contain py, gn, sl, cp, and Au	Johnson, 1915, P. 166-167
22 Alaskan	S,9 T.8S.,R.6W.	P	Au (Cu, Pb, Zn)	Vein	Hydrothermal	qz vein in sheared graywacke of Valdez Group; contains some py, gn, cp, sl, and Au	Johnson, 1915, P. 169
23 Mountain View (Mickey), July, Little Giant, Mountain King, Rose, Rose Quarts, Star	S,9 T.7S.,R.6W.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Thin qz veins in Valdez Group schistose graywacke; the veins contain py, gn, sl, and locally cp and Au; minor production from Little Giant, Rose, Star, and Mountain King	Johnson, 1915, P. 163-164, 167-169; Smith, 1937, P. 22, 24
24 Ethel (Williams-Gentzler), Blue Ribbon	S,9 Tps.7,8S.,R.6W.	M	Au (Pb)	Vein	Hydrothermal	qz veins in Valdez Group that contain Au, po, py, and gn; minor production from Ethel	Johnson, 1915, P. 164; Smith, 1930, P. 16; Brooks, 1912, P. 127
25 Valdez Bonanza, Ibex, Valdez	S,9 T.8S.,Rs.5,6W.	M	Au	Vein	Hydrothermal	qz veins as much as 2 m thick in Valdez Group; minor production from Valdez	Brooks, 1912, P. 127; 1922 P. 40; Johnson, 1915, P. 162
26 Rose Johnson	S,9 T.8S.,R.5W.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Thin qz veins that cut black slate and greenstone of Valdez Group; the veins contain Au, cp, py, sl, and gn	Johnson, 1915, P. 162-163
27 Pinochle	S,9 T.8S.,R.5W.	P	Au	Vein and lenticular	Hydrothermal	Small qz veins and lenses in Valdez Group graywacke and argillite; minor py and Au associated with the qz	Johnson, 1915, P. 161-162
28 Ramsay-Rutherford	S,9 T.8S.,R.5W.	M	Au (Ag, Cu, Pb, Zn)	Vein	Hydrothermal	qz veins, typically less than 1 m thick, that are locally brecciated and cut Valdez Group rocks, chiefly graywacke; the veins contain Au, calc, po, py, cp, sl, and gn	Johnson, 1915, P. 159-161; Moffit, 1954b, P. 304

MAP NO. AND NAME(S) (if known)	MAP COORDINATES LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
29 Jack Bay (1)	S,9 T.9S.,R.8W.	P	Cu (Pb, Zn)	Disseminated	Submarine volcanogenic?, hydrothermal?	Mineralized shear zone about 1 m wide in Valdez Group graywacke; contains aspy, cp, po, sl, and gn; several other copper occurrences in vicinity	Moffit and Fellows, 1950, P. 53; Johnson, 1919b, P. 171-172
30 Jack Bay (2)	S,9 T.10S.,R.8W.	P	Cu (Zn)	Disseminated	Submarine volcanogenic	Mineralized inclusions of Valdez Group rocks in sheared greenstone of the Valdez; py, po, cp, and sl disseminated in the inclusions	Moffit and Fellows, 1950, P. 53; Johnson, 1919b, P. 171-172
31 Curly Kidney	S,9 T.10S.,R.8W.	P	Au	Vein, lens	Hydrothermal	qz stringers and small lenses in shear zones that cut graywacke with minor argillite (Valdez Group?); some aspy and Au with the qz	Johnson, 1919b, P. 172
32 Midas	S,9 T.10S.,R.6W.	M	Cu (Ag, Au, Zn)	Disseminated, vein	Submarine volcanogenic, hydrothermal	Mineralized shear that averages about 1 m wide and is about 300 m long mainly in black slate (Valdez Group), near schistose greenstone; the ore consists of py, po, cp, sl, and traces of gn; a few other showings nearby	Johnson, 1915, P. 151-153, 156-157, 187-188; Moffit and Fellows, 1950, P. 51-53; Rose, 1965a, P. 5-12
33 Addison Powell, Sulfide Gulch	S,9 T.10S.,R.5W.	P	Cu (Au, Ag)	Massive, disseminated	Submarine volcanogenic	Not accurately located; reported (Johnson, 1916) as a large low-grade copper deposit; Rose (1965) found po masses and disseminations that contain minor cp in schistose Valdez greenstone in general vicinity of prospect	Johnson, 1916, P. 140; Moffit and Fellows, 1950, P. 52-53; Rose, 1965a, P. 10, 13
34 Townsend and Holland	T,9 T.8S.,R.1W.	P	Au	Vein	Hydrothermal	Thin qz veins in sheared slate of the Valdez Group	Moffit, 1935, P. 35-36
35 Knowles	T,9 T.6S.,R.1W.	P	Au (Pb)	Vein, lens	Hydrothermal	qz veins, generally less than 1 m thick and as much as 300 m long, cutting Valdez Group slate and graywacke; contains a little free Au, py, and gn	Moffit, 1935, P. 32-35
36 Eagle (Ellis)	T,9 T.6S.,R.1W.	M	Au (Pb)	Vein	Hydrothermal	qz veins, generally less than 1 m thick in Valdez Group slate and graywacke near Tertiary felsic porphyry dikes; the veins contain minor Au, aspy, and gn	Moffit, 1935, P. 29-32
37 Ross	T,9 T.6S.,R.1W.	P	Au (Pb)	Vein, lens	Hydrothermal	Thin qz veins and lenses in siliceous Valdez Group rocks near felsic dikes; the qs contains minor Au, aspy, and gn	Moffit, 1918a, P. 177-178
38 Portland	T,9 Tps.6,7 S.,R.1E.	P	Au	Vein, lens	Hydrothermal	Thin qz veins and lenses in Valdez Group	Moffit, 1918a, P. 177
39 Rais	T,9 T.7S.,R.1E.	P	Au	Vein, lens	Hydrothermal	Thin qz veins and lenses in Valdez Group	Moffit, 1918a, P. 177
40 Telluride, Wetzler (Quail)	T,9 T.6S.,R.1W.	M	Au (Cu, Pb, Zn)	Vein	Hydrothermal	Numerous thin qz veins in slate and locally sheared graywacke of Valdez Group near Tertiary felsic dikes; the veins contain Au, gn, sl, aspy, and cp; minor production from Wetzler	Moffit, 1918a, P. 180-181; 1935, P. 27-29
41 Quartz Creek	T,9 T.5S.,R.1W.	P	Au (Cu, Pb)	Vein	Hydrothermal	Thin qz veins in closely folded Valdez Group slate and schistose graywacke	Moffit, 1918a, P. 179-180

MAP	NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
42	Bernard (Red) Mountain	T.9 T.4S.,R.1E.	P	Cr (Cu, Ni, Pt)	Massive, disseminated	Magmatic	Layers, lenses, and disseminations of chromite in dunite; minor anomalous concentrations of Pt Group elements, Cu, and Ni in some of the ultramafic and associated rocks	Berg and Cobb, 1967, P. 49, 52; Jasper, 1967a, P. 4, Hoffman, 1974
43	Dust Mountain	U.9 T.3S.,R.3E.	P	Cr (Ni, Pt)	Massive	Magmatic	Chromite-rich lens in dunite; traces of Ni and Pt	Berg and Cobb, 1967, p. 52
44	Willow Mountain	T.9 T.1S.,R.1E.	O	Zn (Cu)	Disseminated	Hydrothermal	Hydrozincite and some cp and ml sparsely but widely distributed in brecciated carbonate rocks	Berg and Cobb, 1967, p. 52
45	Opal, Tiger Mining Co.	U.9 T.4S.,R.4E.	M	Au (Ag, Pb, Zn)	Vein	Hydrothermal	Widely spaced qz veins, generally less than 1 m thick, cutting shist of the Skolai Group and granitic rocks (Jurassic?), the veins contain aspy, py, gn, and sl; recently active probably with minor production	U.S. Geol. Survey, 1976, unpublished data
46	Fivemile Creek	U.9 T.4S.,R.5E.	O	Au, Ag (Pb)	?	?	Reported (Berg and Cobb, 1967, P. 49) lode that contains Au, Ag, and gn; probably in Skolai Group metamorphic rocks	Berg and Cobb, 1967, p. 49
47	Liberty Falls	U.9 T.3S.,R.5E.	P	Mn	Veinlet, lens	Hydrothermal	Lenses that contain manganite-bearing qz veinlets; in chloritic schist of Skolai Group	Berg and Cobb, 1967, p. 49: Jasper, 1967a, p. 4
48	Blackney	U.9 T.5S.,R.6E.	p	Cu	Vein	Hydrothermal	Thin parallel veins that contain py and cp in metavolcanic rock of the Skolai Group near dioritic pluton; similar deposits nearby	Moffit, 1914, p. 51-52
49	Surprise Creek	U.9 T.5S.,R.6E.	p	Cu	Vein, disseminated	Hydrothermal, submarine volcanogenic?	Mineralized zone in brecciated Skolai Group volcanic rocks that contains veins and disseminations of cp, py, chrys, cc and bn: dioritic pluton nearby	Moffit, 1914, p. 42
50	Divide Creek	U.9 T.6S.,R.6E.	p	Cu	Vein, disseminated	Hydrothermal, submarine volcanogenic?	Veins and disseminations that carry cp, bn, cv and ml in fractured Skolai Group greenstone	Moffit, 1914, p. 52
51	Falls Creek	U.9 T.6S.,R.6E.	p	Cu	Disseminated	Submarine volcanogenic	Disseminated bn, cp, and cv in Skolai Group metavolcanic rocks	Moffit, 1914, p. 52
52	Spirit Mountain	U.9 T.6S.,R.6E.	P	Ni, Cu (Co, Pt,Ag)	Massive,	Magmatic	Massive and disseminated sulfides and their alteration products in peridotite and pyroxenite sills that intrude metamorphosed Skolai Group rocks; some granitic and gabbroic intrusives in vicinity; the sulfide minerals include bravoite, pentlandite, po, cp and py; some analyses show fairly abundant As, probably indicative of arsenides, and minor anomalous amounts of Co, Ag, and Pt Group elements, chiefly Pd	Kingston and Miller, 1945; Herreid, 1970

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
53 Chance	U,9 T.2S.,R.7E.	p	Cu	Coating, disseminated?	Subaerial volcanogenic?	ml coatings and a little bn in upper part of Nikolai Greenstone	Moffit and Mertie, 1923, p. 125
54 Lawton, Leland Albert Johnson, Guthrie, Cliff, Fog, Elliot Creek	U,9 T.2S.,R.7E.	p	Cu	Vein, impregnations, coating	Hydrothermal, subaerial volcanogenic?	py, cp, bn, ml, and cl as veins and small impregnations and coatings in Nikolai Greenstone, some near a porphyry dike	Moffit and Mertie, 1923, p. 118-119, 124-125; Mendenhall, 1905, p. 102
55 Curtis, Elizabeth, Goodyear, Henry Prather, Lizzie G., Louise, Marie Antoinette, Mary Ellen, Marmot	U,9 T.2S.,R.7E.	p	Cu (Ag, Au)	Vein, coating	Hydrothermal, subaerial volcanogenic?	Veins and coatings in small breccia zones and shear zones in Nikolai Greenstone; the deposits contain py, cp, bn, calc and qz	Moffit and Mertie, 1923, p. 120-124; Moffit, 1915b, p. 112-113
56 Copper Queen, Copper King, Mineral King, Swazie	U,9 T.3S.,Rs.7,8E	p	Cu	Vein, veinlet, coating	Hydrothermal, subaerial volcanogenic	Mainly in and near shear zones in Nikolai Greenstone; contain py, bn, cc, cp, az, ml, and cl; the Swazie is in fractured Chitistone Limestone adjacent to a fault and near the Nikolai	Moffit and Mertie, 1923, p. 122-123
57 Acmann, Mullen, Cave, Mountain Sheep, Peacock	U,9 T.2S.,R.7E.	P	Cu	Vein, disseminated, coating	Hydrothermal, sabkha? subaerial volcanogenic?	Veins and coatings in faulted and locally brecciated Chitistone Limestone, veins and local disseminations in Nikolai Greenstone; contain py, bn, cp, cv, ml, and az; some of the prospects have similarities with Kennecott-type Cu deposits	Moffit and Mertie, 1923, p. 101-103; Van Alstine and Black, 1946[a], p. 125-130
58 Acmann, Blue Bird, Bunker Hill, Forget Me Not, Mountain (Montana) Boy	U,9 T.2A.,Rs.7,8E.	p	Cu	Vein, veinlet, costing	Hydrothermal, subaerial volcanogenic?	Mainly in Nikolai Greenstone but locally in Chitistone Limestone; mainly veins in shear and fracture zones; contain cp, bn, enargite, cv, cc, and ml	Moffit and Mertie, 1923, p. 103; Van Alstine and Black 1946[a], p. 130-132
59 Benito Creek	U,9 T.3S.,R.7E.	P	Au (Ag, Cu)	Vein	Hydrothermal	Au-bearing qz vein that cuts metavolcanic rocks of Skolai Group and gabbro; the vein contains Au, py, aspy, cp, and Ag	Moffit and Mertie, 1923, p. 142, 143
60	T,9 T.6S.,R.1E	P	Au (Ag, Zn)	Vein	Hydrothermal	qz veins in Valdez Group	U.S. Geol. Survey, 1976, unpublished data
61	U,9 T.4S.,R.6E	P	Cu, Mo	Disseminated, vein	Porphyry	Sparsely distributed cp and mo in granitic rocks	U.S. Geol. Survey, 1976, unpublished data
62 Gold Creek	S,9 T.8S.,R.7W.	p	Au	Disseminated	Placer	Small placer Au deposit	Johnson, 1915 p. 159
63 Mineral Creek	S,9 T.8S.,R.6W.	p	Au	Disseminated	Placer	Small placer Au deposits	Grant and Higgins, 1910, p. 72; Johnson, 1915 p.186
64 Solomon Gulch	S,9 T.9S.,R.6W	p	Au	Disseminated	Placer	Small placer Au deposits	Moffit, 1954[b], p. 308
65 Sulfide Gulch	S,9 T.10S.,R.5W.	O	Au	Disseminated	Placer	Small amounts of Au panned in gravels	Rose, 1965a, p. 13-14
66 Boulder Creek	T,9 T.6S.,R.1W.	O	Au	Disseminated	Placer	Placer Au occurrence	Moxham and Nelson, 1952, 3
67 Fall Creek	T,9 T.5S.,R.2E	p	Au	Disseminated	Placer	Small deposits of placer Au	Moffit, 1918a, p. 181-182
68 Fourth of July	T,9 T.4S.,R.1E.	p	Au	Disseminated	Placer	Old prospect for placer Au	Smith, 1932, p. 23
69 Quartz Creek	T,9 T.4S.,R.1W.	M	Au	Vein, disseminated	Hydrothermal, placer	qz veins and shallow placers in Valdez Group terrane	Moffit, 1918a, p. 179
70 Tiekel River	U,9 T.7S.,R.3E.	p	Au	Disseminated	Placer	Small placer Au deposits	Brooks, 1914, p. 62
71 Little Bremner River	U,9 T.8S.,R.6E.	M	Au	Disseminated	Placer	Shallow placer Au deposits in Valdez Group terrane that contains some porphyry dikes	Moffit, 1914, p. 48-49

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor constitutents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
72 Ernestine Creek	T,9 T.5S.,R.2E.	p	Au	Disseminated	Placer	Old placer Au prospect in shallow gravels in Valdez Group terrane	Rohn, 1901, p. 436-437
73 Hurtle Creek	T,9 T.5S.,R.1W.	p	Au	Disseminated	Placer	Shallow placer gold deposits in Valdez Group terrane	Moxham and Nelson, 1952, p. 3
74 Lowe River	T,9 T.9S.,R.3W.	p	Au	Disseminated	Placer	Old placer gold workings	Johnson, 1915, p. 186
75	U,9 T.6S.,R.7E.	P	Ni, Cu	Disseminated	Magmatic	Cu and Ni reported in mafic rocks	U.S. Bureau of Mines, 1973
76	U,9 T.3S.,R.4E.	P	Au	Vein	Hydrothermal	Au-bearing veins in metamorphosed Skolai Group	"
77	U,9 T.3S.,R.2E.	P	Cr	Disseminated	Magmatic	Disseminated chromite in ultramafic rocks	"
78	T,9 T.6S.,Rs.1E.,1W.	p	U?			Claims reportedly for radioactive minerals in Valdez Group	"
79	U,9 T.4S.,R.7E.	P	Pb(Ag)	Vein?	Hydrothermal?	Reported Pb-Ag claims in metamorphosed Skolai Group	"
80	U,9 T.5S.,R.5E.	P	Cu	Vein?	Hydrothermal?	Reported Cu prospect in metamorphosed Skolai Group	"
81	U,9 T.4S.,R.5E.	P	Cu	Vein?	Hydrothermal?	Reported Cu prospect in metamorphosed Skolai Group	"
82	U,9 T.4S.,R.2E.	P	Au	Vein	Hydrothermal	Several Au claims, probably in metamorphosed Skolai Group.	"
83	T,9 T.4S.,R.2E.	P	Au	Vein	Hydrothermal	Several Au claims; probably in metamorphosed Skolai Group	U.S. Bureau of Mines, 1973
84	U,9 T.3S.,R.7E	p	Cu	Vein?	Hydrothermal?	Cu prospect; probably in metamorphosed Skolai Group	U.S. Bureau of Mines, 1973
85	T,9 T.3S.,R.1E.	P	Cr	Disseminated	Magmatic	Cr claims	"
86	U,9 T.2S.,R.7E.	p	Au	Vein?	Hydrothermal?	Reported Au claims	
87	T,9 T.2S.,R.2E.	P	Au	Disseminated	Placer	Placer Au prospect	
88	T,9 T.1S.,R.2E.	p	Au			Reported lode claims	"
89	U,9 Tps.1,2N.,R.5E.	p	Au			Reported lode claims	
90	T,9 T.8S.,R.3W.	p	Au	Vein	Hydrothermal	Au prospect in Valdez Group	"
91	T,9 T.9S.,R.3W.	P	Au	Disseminated	Placer	Placer Au prospect	"
92	T,9 T.9S.,R.3W.	P	Au	Disseminated	Placer	Placer Au prospect	"
93	S,9 T.9S.,Rs.6,7W.	P	Au	Disseminated	Placer	Placer Au prospects	"
94	T,9 T.3S.,R.2W.	P	Au	Disseminated	Placer	Placer Au prospect	"
95	T,9 T.2S.,R.3W.	P	Au	Disseminated	Placer	Placer Au prospect	"
96	S,9 T.1N.,R.6W.	p	Au	Vein?	Hydrothermal?	Lode Au claims; probably in metamorphosed Skolai Group	"
97	S,9 T.2N.,R.7W.	P	Au	Disseminated	Placer	Placer Au claims	
98	S,9 Tps.2,3N.,R.9W.	p	silica sand		Placer	Reported placer claims for silica sand	"

YAKUTAT QUADRANGLE
(latitude, 59°-60°; longitude, 138°-141°)

MAP NO. AND NAME(S) (if known)	MAP COORDINATES, LOCATION	CATEGORY	RESOURCE(S) Minor Constituents or potential byproducts in parentheses	FORM	TYPE	BRIEF DESCRIPTION	PRINCIPAL REFERENCES
1.	Z,7 T.24S.,R.37E.	O	Au	Vein	Hydrothermal	py-bearing qz veins in amphibolite and Tertiary granite; minor anomalous Au concentrations.	MacKevett and Plafker, 1970, p. L4-L5, L7-L8
2.	Z',7 T.28S.,R.43E.	O	Au	Disseminated	Hydrothermal(?)	Greenstone with disseminated py that contains minor Au values	MacKevett and Plafker, 1970, p. L4-L5, L7-L8
3. Logan Beach	Z,7 Tps.24,25S., R.34E.	M	Au	Disseminated	Placer	Black sands and gravels along beach of Yakutat Bay; intermittently worked for Au by early miners	Tarr and Butler, 1909, p. 165-167
4. Khantaak Beach	Z,7 Tps.26, 27S., R.33E.	M	Au	Disseminated	Placer	Site of old placer Au workings along beach; mainly in black or "ruby" sands	Tarr and Butler, 1909, p. 165, 167
5. Yakutat Beach	Z,7 T.28S.,Rs.33, 34E.	O	Fe,Ti,Au(V)	Disseminated	Placer	Beach placers that contain local concentrations of mgt and ilm and minor anomalous amounts of Au and V	Thomas and Berryhill, 1962, p. 27-28; MacKevett and Plafker, 1970, p. L4-L5, L7
6. Blacksand Beach and Blacksand Island	Z,7 T.29S.,R.35E.	M	Fe,Ti,Au(V)	Disseminated	Placer	Beach placers similar to Yakutat Beach (5); worked on a small scale by early miners	Thomas and Berryhill, 1962, p. 27-28; MacKevett and Plafker, 1970, p. L4-L5, L7; Blackwelder, 1907, p. 86-87
7. Akwe Beach	Z,7 T.30S.,Rs.37,38E.	O	Fe,Ti	Disseminated	Placer	Local concentrations of mgt and ilm in beach placers	Thomas and Berryhill, 1962, p. 30
8.	Z',7 T.24S.,R.39E.	O	(Zn,Cu)	Disseminated	Submarine volcanogenic?	Disseminated py in amphibolite; minor anomalous amounts of Zn and Cu	MacKevett and Plafker, 1970, p. L4-L5
9.	Z',7 T.26S.,R.41E.	O	(Mo, Ag)	Disseminated	Hydrothermal	Altered zone about 75 m wide; contains minor amounts of Ag and Mo	MacKevett and Plafker, 1970, p. L4-L5
10.	Z',7 T.32S.,Rs.41,42E.	P	Fe(Ti)	Disseminated	Placer	Local concentrations of mgt and ilm is black sands	U.S. Bureau of Mines, 1973
11.	Z',7 T.31S.,R.41E.	P	Fe(Ti)	Disseminated	Placer	Local concentrations of mgt and ilm in black sands	U.S. Bureau of Mines, 1973

NOTE: Disseminated pyrite that is locally associated with minor anomalous amounts of copper and silver is widely distributed in some metamorphic rocks, mainly amphibolite, between the Boundary and Art Lewis faults.
Chromium and nickel are minor constituents of small masses of serpentinite along the Boundary fault. Copper-bearing lodes along the Alsek River and Russell Fiord were reported by Blackwelder (1907, p. 86-87), but they were not confirmed during later investigationns.

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