



Map Number	Prospect Name and Description	Commodity	Reference (Listed below)
1	Barnette Creek	Chromite, Ni, Pt	3
2	Neatly Ridge	Ni, Co, Zn	3
3	Glass Highway	Silica sand	3
4	Malchuk River	As	3
5	Kalva Lake	As	3
6	Marshall Mountain	Cu	3
7	Mable River	As	3
8	Rough and Tough	As, Ag	2, 3
9	Gold King	As, Pb, Cu, Zn	2, 3
10	Cameron-Johnson	As, Pb, Zn	2
11	Cameron-Johnson, Mable, Olon	As, Pb, Zn	2, 3
12	Banker	As	2
13	National	As	2, 3
14	Hayfield	As, Cu, Pb, Zn	2
15	Bessie Williams	As	2, 3
16	Columbia Glacier	As	3
17	Columbia Glacier	As	3
18	Big Four, Slacia	As, Pb, Ag	2, 3
19	Palmer	As	2, 3
20	J.L.L. Shop Bay Mining, Silver Gem, Spanish	As, Ag, Pb, Zn	2, 3
21	Blackbird, Whistler	As, Cu, Pb	2, 3
22	Allie	As, Cu, Pb, Ag, Zn	2, 3
23	Bunker Hill, Seacost Mining Co.	As, Pb, Zn	2, 3
24	Gold Bluff, Sealy Davis	As	2, 3
25	Guthrie and Kallahl	As, Cu, Pb, Zn	2, 3
26	Cuba, Three In One	As, Cu, Pb, Zn	2, 3
27	Cliff, Largest gold mine in district worked (with interruptions) until 1940 production unknown. Free gold and sulfides in quartz veins in gneiss.	As, Pb, Zn	1, 2, 3
28	Oil, Thompson-Ford	As, Cu, Pb, Zn	2, 3
29	Alaska Gold Hill, Black Diamond	As	2, 3
30	Gold Creek	As	2, 3
31	Jack Bay	Cu, Pb, Zn	2, 3
32	Jack Bay	Cu, Pb	2, 3
33	Curley Kidney	As	2, 3
34	Orion	As	3
35	Outsack	As, Pb	2, 3
36	Big Four	As, Pb, Zn	2, 3
37	Hercules	As, Pb, Zn	2
38	Chena, Monte Carlo, Smoke	As, Pb	2, 3
39	45	As, Cu, Pb, Zn	2, 3
40	Orion	As	3
41	High Grade	As, Pb	2
42	Alaskan	Cu, As, Pb, Zn	1, 3
43	Mountain View	As, Pb	2
44	Judy, Little Giant, Mountain King, Rose Quartz, Bear	As, Pb, Zn, Cu	1, 3
45	Ethel, Williams-Gentler	As, Pb	2
46	Blue Ribbon	As	2, 3
47	Valdez Bonanza	As	2
48	Thop, Valdez	As	2, 3
49	Rose Johnson	As, Cu, Pb	2, 3
50	Pinechle	As	2, 3
51	Bangay-Rutherford; Gold-silver-sulfide-bearing quartz veins in Valdez Group graywacke. Mined until 1932, production unknown, one of major mines in district	As, Cu, Pb	1, 2, 3
52	Unknown	As, Ag, Pb, Zn	3
53	Mineral Creek	As	2, 3
54	Port Liscom	As	3
55	Patten Mining Co., Golden, Happy Days	As	3
56	Salomon Gulch	As	2, 3
57	Midas; Produced more than 1 million lbs copper prior to 1920. Sulfide ore body with gold and silver values in black slate near igneous intrusive	As, Cu, Pb, Zn, Ag	1, 2, 3
58-59	Adrian Powell, Sulphide Gulch	As, Ag, Cu, Zn	2, 3
60	Sulphide Gulch	As, Cu, V	2, 3
61	Low River	W	2
62	Low River	W	2
63	Wotnamna Glacier	Cu, Pb, Zn, Ag	3
64	Wotnamna	As	3
65	Sheep Creek	As	3
66	Low River	As	3
67	Unknown	As	3
68	Wotnamna Glacier	W	2, 3
69	Prattign	W	2
70	Tina Glacier	Cu, Zn, Pb, Ag	3
71	Townsend and Holland	As	2, 3
72	Stuart Creek	W	2

Map Number	Prospect Name and Description	Commodity	Reference (Listed below)
73	Belle	As	2, 3
74	Portland	As	2, 3
75	Ross	As, Pb	2, 3
76	Boulder Creek	As	2, 3
77	Eagle, Eliza, Mochan	As, Pb	2, 3
78	Knobles	As, Pb	2, 3
79	Gleicher Creek	As	3
80	Tallard	As	2, 3
81	Wastler, Quail	As, Cu, Pb, Zn	2
82	Quartz Creek	As, Cu, Pb	2, 3
83	Burtie Creek	As	3
84	Unamed	As, Ag, Fe	3
85	Quartz Creek	As	2, 3
86	Fourth of July Creek	As	2, 3
87	Unamed	As	2
88	Fall Creek	As	2, 3
89	Ergastine Creek	As	3
90	Urnatinia River	As, Pb, Ag	3
91	Unamed	As	3
92	Unamed	As	3
93	Kishall Pass	As	3
94	Kishall Pass	As	3
95	Unamed	As	2
96	Red (Bernard) Mountain; Chromite in layers, lenses and disseminations in a faulted ultrabasic sill within a nickel and platinum. Prospect has had geological and geophysical exploration	Chromite, Ni, Pt	1, 2, 3
97	Unamed	Cr, Ni, Pt	3
98	Dust Mountain	Cr, Ni, Pt	2, 3
99	Tonsina River	As	3
100	Willow Creek	As	3
101	Unamed	As	3
102	Willow Mountain	Cu, Zn	2, 3
103	Russell Creek	As	3
104	Liberty Falls	As	2, 3
105	Opal, Tiger Mining Co.	As, Ag, Pb, Zn	2, 3
106	Fox Creek	Cu, Pb, Ni	3
107	Fivemile Creek	As, Pb, Ag	2, 3
108	Tiabel River	As	2, 3
109	Taral	Cu	3
110	Wood Canyon	Cu	3
111	Little Berner River	As	2, 3
112	Unamed	Cu, Zn	3
113	Summit Lake	Ni, Cu	3
114	Spirit Mountain; Copper-nickel prospect in ultrabasic sills in metamorphosed schist and limestone	Cu, Ni, Co, Ni, Zn, Pb, Fe, Zn	1, 2, 3
115	Summit Lake	Ni, Cu	3
116	Summit Lake	Ni, Cu	3
117	Summit Lake	Ni, Cu	3
118	Falls Creek	Cu	2, 3
119	Divide Creek	Cu	2, 3
120	Surprise Creek	Cu	2, 3
121	Blackney	Cu	2, 3
122	China River	Cu, Ni	3
123	Unamed	Pb, Ag	3
124	Unamed	Cu	3
125	Benito Creek	Cu, Ag, As	2, 3
126	Loraine Creek	As	3
127	Copper King, Mineral King, Swazie	Cu, Ag	2
128	Copper Queen	Cu	2, 3
129	Marnot	Cu	2, 3
130	Unamed	As	2
131	Currie, Elizabeth, Goodyear, Henry Prather, Linda G. Louisa, Marc Antoinette, Mary Ellen	Cu, Ag, As	2
132	Albert Johnson, Cliff, Fog, Guthrie	Cu	2, 3
133	Lawton, Leland	Cu	2
134	Chance	Cu	2, 3
135	Bunker Hill	Cu	2, 3
136	Blue Bird, Forget-Me-Not, Mountain (Monte-) Boy	Cu, Ag	2
137	Mountain Sheep	Cu	2
138	Amman, Cave, Mullen, Feacock	Cu	2, 3
139	Copper Creek	As	3
140	Cheshina River	Cu, Ag, As	3
141	Cheshina River	As, Pb	3
142	McCallum	As	3
143	Maker Creek	As	3
144	Squaw Creek	As, Pb, Zn, Ag	3

Oil and Gas
No economic petroleum accumulations are known in the Valdez Quadrangle, and the potential for them is considered poor due to limited source and reservoir rock.

Coal
There are no known coal resources in the Valdez Quadrangle.

Carbonate Rocks
Carbonate rocks (including limestone, marble, and dolomite) that have many industrial uses are found in the eastern portion of the quadrangle. Additional descriptions of these undeveloped resources are found in Whistler, Silberman, and others (1981) and Whistler, Miller, and others (1981).

Geothermal
A series of steam vents occur at the summit of Mt. Wrangell in the northeast corner of the quadrangle. Their use is restricted by high elevation, remoteness from potential power demand and hazards associated with active volcanism.

Young volcanic rocks throughout the Wrangell Mountains indicate a region of high heat flow to the surface and a substrate to high potential for geothermal resources. There are no known positive indications, such as geothermal springs, but there has been little detailed geophysical and geochemical exploration.

REFERENCES

- Cobb, E.M., 1979, Summary of references to mineral occurrences (other than mineral fuels and construction materials) in the Valdez Quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-124.
- Cobb, E.M., and Matson, J.A., 1971, Metallic mineral resources map of the Valdez Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-438.
- Whistler, G.R., Miller, R.J., MacKenzie, E.M., Jr., and Holloway, C.D., 1981, Map and summary table describing mineral deposits in the Valdez Quadrangle, Alaska: U.S. Geological Survey Open-File Report 80-992-A.
- Whistler, G.R., Silberman, M.L., Grant, R., Miller, R.J., and MacKenzie, Jr., 1981, Geologic map and summary geochronology of the Valdez Quadrangle, northern Alaska: U.S. Geological Survey Open-File Report 80-992-A.

EXPLANATION

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

Minerals
 Significant site or exploration potential:
 Lode Deposit:
 Placer Deposit:
 Numbers refer to accompanying table

Oil and Gas
 Dry and abandoned oil and gas well:

Geothermal
 Area of high geothermal potential:
 Geothermal spring and temperature:

Coal
 Coal location (approximate):

Carbonate Rocks
 Carbonate rock location (approximate):

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

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