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UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE NOME QUADRANGLE, ALASKA

Compiled by

Edward H. Cobb

Open-file map

1968

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

U. S. GEOLOGICAL SURVEY
Washington, D. C.
20242

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1. Project Early Rise: Traveltimes and amplitudes, by D. H. Warren, J. H. Healy, J. C. Hoffman, Reinis Kempe, Srinivasreddy Rauula, and D. J. Stuart. 150 p., 28 figs., 24 tables.

2. Surface seismic measurements of the Project Gasbuggy explosion at intermediate distance ranges, by D. H. Warren and W. H. Jackson. 45 p., 8 figs., 4 tables.

3. Availability of palynological material from Naval Petroleum Reserve No. 4, VII: Topogorak Test Well No. 1 (Supplemental Set), by Richard A. Scott. 1 p.

The following three reports are also available for consultation at 108 Skyline Bldg., Anchorage, Alaska 99501; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; 678 U.S. Court House Bldg., Spokane, Wash. 99201; 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012; 1012 Federal Bldg., Denver, Colo. 80202, as well as in the following offices of the Alaska Division of Mines and Minerals: 3001 Porcupine Dr., Anchorage, Alaska 99504; 509 Goldstein Bldg., Juneau, Alaska 99801; University Ave., College, Alaska 99701:

4. Geology of the Iliamna quadrangle, Alaska, by Robert L. Detterman and Bruce L. Reed. 1 sheet, scale 1:250,000.

5. Metallic mineral resources map of the Nome quadrangle, Alaska, compiled by Edward H. Cobb. 12 p., 1 index map; 1 map, scale 1:250,000.

6. Metallic mineral resources map of the Teller quadrangle, Alaska, compiled by Edward H. Cobb and C. L. Sainsbury. 8 p., 1 index map; 1 map, scale 1:250,000.

Material from which copies of Nos. 4, 5, and 6, above, can be made at private expense is available in the Alaskan Geology Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif. 94025.

LODE DEPOSITS

Number	Name and principal reference(s)	Commodity [1]
1	Unnamed occurrence: Unpublished data	Au, Ag
2	Unnamed occurrence: Unpublished data	Ag (in fluorite)
3	Unnamed occurrence: Unpublished data	Au, Ag
4	American: Eakin (1915a), p. 361, 365; Mulligan and Hess (1965), p. 17-18, 25	Fe
5	Tub Mountain: Mertie (1918a), p. 446; Mulligan and Hess (1965), p. 18, 25	Fe
6	Monarch: Eakin (1915a), p. 361-364; Mertie (1918a), p. 444-445; Mulligan and Hess (1965), p. 6-7, 11-15, 18, 21, 25, 31-32	Fe, Mn
7	Mogul: Eakin (1915a), p. 361, 364; Mulligan and Hess (1965), p. 17-18, 25	Fe
8	Galena: Eakin (1915a), p. 361, 364-365; Mertie (1918a), p. 445; Cathcart (1922), p. 260; Mulligan and Hess (1965), p. 14-16, 18, 25, 27-28, 32	Au, Fe, Pb, Zn
9	Iron Creek: Mulligan and Hess (1965), p. 18, 25-26	Fe
10	Cub Bear: Eakin (1915a), p. 361, 365; Mulligan and Hess (1965), p. 16-18, 25	Fe, Pb, Zn
11	Unnamed occurrence: Mulligan and Hess (1965), p. 19, 23, 25	Cu, Pb, Ag, Zn
12	Steiner: Cathcart (1922), p. 256-258	Au
13	Christophosen: Mertie (1918a), p. 447	Au, Zn
14	Charley Creek: Cathcart (1922), p. 223-224; White and others (1952), p. 4	Bi
15	Unnamed occurrence: Hummel (1961), p. D198-D199	Pb, W, Zn
16	Unnamed occurrence: Hummel (1961), p. D198-D199; Hummel (1962b)	W
17	Unnamed occurrence: Hummel (1961), p. D199; Hummel (1962b)	W

[1] Symbols - Bi, bismuth; Cu, copper; Au, gold; Fe, iron; Pb, lead; Mn, manganese; Ag, silver; W, tungsten; Zn, zinc.

Number	Name and principal reference(s)	Commodity 1/, 2/
18	Unnamed occurrence: Hummel (1961), p. D199	W
19	Copper King: Hummel (1962b)	Cu, Pb
	Copper Mountain: Moffit (1913), p. 134-135; Cathcart (1922), p. 217-221; Hummel (1962b)	Cu, Au, Pb, Ag
	Unnamed occurrence: Hummel (1962b)	W
20	Copper Creek: Hummel (1962b)	Cu
21	Unnamed occurrence: Hummel (1962b)	Cu
22	Last Chance Creek: Smith (1908), p. 245; Mertie (1918a), p. 446	Sb, Au, Pb, Ag
23	Waterfall Creek: Mertie (1918a), p. 438-440, 442; Cathcart (1922), p. 231-232	Sb, Cu, Au, Pb, Ag
24	North Fork: Cathcart (1922), p. 182	Cu
25	California (Connelly & Jensen): Moffit (1913), p. 131-132; Mertie (1918a), p. 426-427; Cathcart (1922), p. 253-255	Sb, Au, Mo, W
26	McDuffee: Anderson (1947), p. 10-11; Hummel (1962b)	Sb, Au
	Nelson: Cathcart (1922), p. 232; Hummel (1962b)	Pb, Zn
	Tanner: Hummel (1962b)	Sb
27	Unnamed occurrence: Hummel (1962b)	Cu
28	Grouse Creek: Anderson (1947), p. 27	Pb
29-30	Breen: Anderson (1947), p. 10; Hummel (1962b)	Sb, Au
31	Sliscovich: Cathcart (1922), p. 226-227, 229-230; Hummel (1962b)	Sb, Au, Ag
32	Manila Creek: Cathcart (1922), p. 182	Cu
33	Hed & Strand: Cathcart (1922), p. 226-230; Hummel (1962b)	Sb
	Unnamed occurrence: Hummel (1962b)	Sb

1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Mo, molybdenum; Ag, silver; W, tungsten, Zn, zinc.

2/ Symbol underlined indicates recorded production.

Number	Name and principal reference(s)	Commodity [1], [2]
34	Unnamed occurrence: Hummel (1962b)	Cu, W
35	Lindfors: Hummel (1962b)	Sb
	Rocky Mountain Creek: Coats (1944), p. 4-6	W
	Spring: Hummel (1962b)	Sb
	Thompson: Hummel (1962b)	Sb, Zn
	Unnamed occurrence: Hummel (1962b)	W
36	Nelson Creek: Hummel (1962b)	W
37	Holmason & Heide: Hummel (1962a)	Cu
38	Pioneer Gulch: Hummel (1962a)	Au
39	Lilly: Hummel (1962a)	Cu
	Twin Mountain Creek: Mertie (1918a), p. 442; Mertie (1918b), p. 457; Cathcart (1922), p. 248-249	Cu, Au, W
40	Boulder: Mertie (1918a), p. 427-429; Cathcart (1922), p. 248-252	Sb, Au, W
	Boulder Creek: Moffit (1913), p. 131; Cathcart (1922), p. 250-251	Au
41	Goodluck Gulch: Hummel (1962a)	Au, W
42	Unnamed occurrence: Hummel (1962a)	Cu
43	Bonita Creek: Brooks (1916), p. 58-59; Mertie (1918a), p. 440	Sb, Au
	Nelson: Hummel (1962a)	Sb
44	Prospect Creek: Anderson (1947), p. 17	Pb
45	Albion Creek: Cathcart (1922), p. 247	Au
	Glacier Creek: Moffit (1913), p. 130-131; Mertie (1918b), p. 457	Au, W

[1] Symbols - Sb, antimony; Cu, copper; Au, gold, Pb, lead; W, tungsten, Zn, zinc.

[2] Symbol underlined indicates recorded production.

Number	Name and principal reference(s)	Commodity 1/, 2/
46	Nugent: Mertie (1918a), p. 433	Au
	Reinisch: Cathcart (1922), p. 245; Hummel (1962a)	Au, W
	Rock Creek: Cathcart (1922), p. 246	Sb, Pb
	Sophie Gulch: Mertie (1918a), p. 436; Coats (1944), p. 3; Hummel (1962a)	Pb, W
	Stipek & Kotovic: Cathcart (1922), p. 244-245; Hummel (1962a)	Au
	Stipek & Kotovic (Glacier Creek divide): Mertie (1918a), p. 437; Mertie (1918b), p. 457	W
47	Gold Hill: Cathcart (1922), p. 247	Au
48	Bursik & Kern: Mertie (1918a), p. 429	Au
	King Mountain: Moffit (1913), p. 130-131; Cathcart (1922), p. 237	Au, Mo
49	New Era (Big Four): Cathcart (1922), p. 243-244; Hummel (1962a)	Au
	Snow Gulch: Moffit (1913), p. 85, 131	Au
50	Jorgensen: Mertie (1918a), p. 435; Cathcart (1922), p. 240-241; Hummel (1962a)	Au, Pb, W
	West (Gold Bug): Mertie (1918a), p. 434; Hummel (1962a)	Au
51	Anvil Creek: Brooks (1916), p. 50, 56-57; Cathcart (1922), p. 238-240	Sb, Cu, Au, Pb
52	Dexter Creek: Moffit (1913), p. 135	Cu, Au
53	Peterson & Lamoreaux: Mertie (1918a), p. 432, 439; Cathcart (1922), p. 240; Hummel (1962a)	Sb, Au, Pb
54	Unnamed occurrence: Hummel (1962a)	Sb, Pb
55	Rex: Cathcart (1922), p. 236	Au
56	Newton Gulch: Cathcart (1922), p. 237	Au
57	Osborn Creek: Moffit (1913), p. 132	Cu, Au

1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Mo, molybdenum; W, tungsten.

2/ Symbol underlined indicates recorded production.

PLACER DEPOSITS

Number	Name and principal reference(s)	Commodity 1/, 2/
58	Hume Creek: Collier and others (1908), p. 220	Au
59	Fairview Creek: Collier and others (1908), p. 218-219	Au
60	Tomboy Creek: Collier and others (1908), p. 219	Au
61	Coal Creek: Collier and others (1908), p. 216-217	Au
62	Boulder Creek: Collier and others (1908), p. 216-217	Au
63	Washington Creek (Green Gulch): Collier and others (1908), p. 216	Au
64	Quartz Creek: Collier and others (1908), p. 215	Au
65-67	Cripple River: Collier and others (1908), p. 210-211; Chapin (1914), p. 390	Au
68	Stella (Slate) Creek: Brooks (1901), p. 96	Au
69	Rulby Creek: Collier and others (1908), p. 216	Au
70	Mountain Creek: Collier and others (1908), p. 214	Au
71-72	Oregon Creek: Collier and others (1908), p. 211-213	Bi, Au, W
73-74	Nugget Creek (Gulch): Collier and others (1908), p. 213-214	Bi, Au, W
75	Trilby Creek: Collier and others (1908), p. 215	Au
76	Hungry Creek: Collier and others (1908), p. 214	Bi, Au
77	May Gulch: Collier and others (1908), p. 215	Au
78	Arctic Creek: Brooks (1922), p. 63	Au
79	Sunset Creek: Smith (1936), p. 49	Au
80	Charley Creek: Moffit (1913), p. 133	Bi, Au
81	Boer Creek: Moffit (1913), p. 76, 100	Au
82	Thompson Creek: Hummel (1961), p. D199	W

1/ Symbols - Bi, bismuth; Au, gold; W, tungsten.

2/ Gold has been produced from most of the listed placers.

Number	Name and principal reference(s)	Commodity 1/, 2/
83	Stewart River: Smith (1909), p. 280	Au
84	Fred Gulch (Creek): Hess (1906), p. 157; Moffit (1913), p. 101	Au, Sn
85	Goldbottom Creek: Moffit (1913), p. 87	Au, Sn
	Steep Creek: Moffit (1913), p. 88	Au
86	Grouse Creek: Moffit (1913), p. 88	Au
87	Goldbottom Creek: Moffit (1913), p. 87	Au, Sn
	Grouse Creek: Moffit (1913), p. 88	Au
88	Grub Gulch: Moffit (1913), p. 88	Au
89	Last Chance Creek: Moffit (1913), p. 87	Au, W
90	Pioneer Gulch: Moffit (1913), p. 76	Au
91	Seattle Creek: Coats (1944), p. 6	W
92	Bangor Creek: Moffit (1913), p. 87	Au, W
	Butterfield Creek (Canyon): Thorne and others (1948), p. 33	Au, W
93	Divining Creek: Thorne and others (1948), p. 33-34	Au, W
94	Boulder Creek: Collier and others (1908), p. 196; Anderson (1947), p. 42	Sb, Bi, Au, W
	Twin Mountain Creek: Collier and others (1908), p. 197; Cathcart (1922), p. 251	Au
95	Balto Creek: Moffit (1913), p. 87; Thorne and others (1948), p. 33-34	Au, W
96	Prospect Creek: Thorne and others (1948), p. 33-34	Au, W
97	Lindblom Creek: Moffit (1913), p. 86-87; Anderson (1947), p. 42	Au, W
98	Rock Creek: Moffit (1913), p. 75-76, 86; Anderson (1947), p. 42	Au, W
	Sophie Gulch: Cathcart (1922), p. 182, 245-246	W

1/ Symbols - Sb, antimony; Bi, bismuth; Au, gold; Sn, tin; W, tungsten.

2/ Gold has been produced from most of the listed placers.

Number	Name and principal reference(s)	Commodity 1/, 2/
99	Alpha Creek: Cathcart (1922), p. 249	Au
100	Monument Creek: Cathcart (1920), p. 190; Anderson (1947), p. 40	Au, Sn
101	Bonanza Gulch: Moffit (1913), p. 86	Au
	Glacier Creek: Moffit (1913), p. 84-85; Mertie (1918b), p. 457; Anderson (1947), p. 40	Au, Sn, W
	Hot Air Bench: Moffit (1913), p. 85-86	Au
	Snow Gulch: Moffit (1913), p. 85; Coats (1944), p. 5-6	Au, W
102	Anvil Creek: Collier and others (1908), p. 191; Moffit (1913), p. 79-83	Au, Pb, W
	Nekula Gulch: Moffit (1913), p. 83-84, 101-103	Au
	Specimen Gulch: Moffit (1913), p. 84, 106-107	Au
103	Cooper Gulch: Moffit (1913), p. 89	Au
104	Divide Creek: Moffit (1913), p. 100	Au
105	Dorothy Creek: Moffit (1913), p. 98; Anderson (1947), p. 11	Sb, Au
106	Christian Creek: Alaska Dept. Mines (1952), p. 57	Au
107	Rocky Mountain Creek: Coats (1944), p. 4-6; Anderson (1947), p. 40, 42	Au, Sn, W
108	Nelson Creek: Coats (1944), p. 4-6	Au, W
109	Darling Creek: Alaska Dept. Mines (1948), p. 43	Au
110	Manila Creek: Chapin (1914), p. 389	Au
111	Hobson Creek: Collier and others (1908), p. 181	Au
112	Basin Creek: Moffit (1913), p. 99-100; Alaska Div. Mines and Minerals (1960), p. 36	Au, W
113	Banner Creek: Moffit (1913), p. 99	Au
114	Dewey Creek: Brooks (1901), p. 78-79	Au, W

1/ Symbols - Sb, antimony; Au, gold; Pb, lead; Sn, tin; W, tungsten.

2/ Gold has been produced from most of the listed placers.

Number	Name and principal reference(s)	Commodity 1/, 2/
115	Nome River: Moffit (1913), p. 93	Au
116	Buster Creek: Moffit (1913), p. 96-97; Alaska Dept. Mines (1954), p. 36-37	Au
	Grace Gulch: Moffit (1913), p. 97	Au
	Lillian Creek: Moffit (1913), p. 97	Au
	Union Gulch: Collier and others (1908), p. 173	Au
117	Dexter Station: Moffit (1913), p. 101-106	Au
118	Deer Gulch: Moffit (1913), p. 95, 103	Au
	Dexter Creek: Moffit (1913), p. 93-94, 108-109	Au
	Dexter Creek, Left Fork: Collier (1905), p. 127; Moffit (1913), p. 95, 107-108	Au, Sn
	Grass Gulch: Moffit (1913), p. 94-95, 106-108	Au
	Grouse Gulch: Moffit (1913), p. 95-96	Au
119	Extra Dry Creek: Moffit (1913), p. 98-99	Au
120	Osborn Creek: Moffit (1913), p. 97-98; Alaska Dept. Mines (1940), p. 85	Au
	St. Michaels Creek: Moffit (1913), p. 98; Smith (1937), p. 52	Au
121	Washington Gulch: Moffit (1913), p. 98	Au
122	Moss Gulch: Mertie (1918b), p. 455	Au
123	Irene Creek: Mertie (1918b), p. 454; Alaska Dept. Mines (1940), p. 85	Au
124	Otter Creek: Chapin (1914), p. 390	Au
125	Bear Gulch (Creek): Brooks (1901), p. 76	Au
	Dry Creek: Moffit (1913), p. 90, 101, 107-108	Au
126	Dry Creek: Moffit (1913), p. 90-91	Au, W
127	Dry Creek: Moffit (1913), p. 90	Au, W
	Newton Gulch: Moffit (1913), p. 91-92; Smith (1934), p. 43	Au
128	Bourbon Creek: Moffit (1913), p. 89-90	Au
	Holyoke Creek: Moffit (1913), p. 89-90	Au

1/ Symbols - Au, gold; Sn, tin; W, tungsten.

2/ Gold has been produced from most of the listed placers.

Number	Name and principal reference(s)	Commodity [1], [2]
129	Monroeville beach: Moffit (1913), p. 119-123	Au
130-131	Snake River: Moffit (1913), p. 77-79; Smith (1926), p. 18	Au
132	U. S. Smelting, Refining & Mining Co.: Alaska Div. Mines and Minerals (1962), p. 8	Au
133	Hastings Creek: Moffit (1913), p. 100-101	Au
	Saunders Creek: Chapin (1914), p. 390	Au
134	Jess Creek: Moffit (1906), p. 133-134	Au
135	Second beach: Moffit (1913), p. 40-44, 111-112, 119-123 - See also: Bourbon Creek, Derby Creek, Jess Creek, Peluk Creek	Au
136	Derby Creek: Mertie (1918b), p. 455	Au
137	Golden Cow: Chapin (1914), p. 389	Au
	Third beach: Moffit (1913), p. 40-44, 112-117, 119-123 - See also: Bourbon Creek, Center Creek, Dry Creek, Flat Creek, Holyoke Creek, Little Creek, Saturday Creek	Au
	U. S. Smelting, Refining & Mining Co.: Brooks (1925), p. 49; Smith (1939), p. 64; Alaska Div. Mines and Minerals (1962), p. 8	Au
138	Center Creek: Moffit (1913), p. 88-89	Au
	Flat Creek: Moffit (1913), p. 88	Au
	Holyoke Creek: Moffit (1913), p. 89-90	Au
	Lake Creek: Smith (1936), p. 59	Au
	Little Creek: Collier and others (1908), p. 170	Au
	Saturday Creek: Moffit (1913), p. 88-89	Au
	U. S. Smelting, Refining & Mining Co. (Hammon Consolidated Gold Fields, Pioneer Mining Co.): Brooks (1925), p. 49; Smith (1939), p. 64; Alaska Div. Mines and Minerals (1962), p. 8	Au
	Wonder Creek: Moffit (1913), p. 88	Au
139	Submarine beach: Moffit (1913), p. 118-123	Au
140	Peluk Creek: Chapin (1914), p. 389-390	Au

[1] Symbol - Au, gold.

[2] Gold has been produced from most of the listed placers.

Number	Name and principal reference(s)	Commodity [1], [2]
141	Rocker Gulch: Chapin (1914), p. 389-390	Au
142	Present beach: Brooks (1901), p. 85-91; Moffit (1913), p. 110-111 - See also: Peluk Creek, Rocker Gulch, Snake River	Au
143	Intermediate beach: Moffit (1913), p. 117-123 - See also: Bourbon Creek, Dry Creek	Au
	U. S. Smelting, Refining & Mining Co.: Brooks (1925), p. 49; Smith (1939), p. 64; Alaska Div. Mines and Minerals (1962), p. 8	Au
144	Hazel Creek: Moffit (1913), p. 101	Au

Placer deposits not shown on map because occurrences could not be located closely enough to plot:

Name and principal reference(s)	Commodity [1], [2]
Canyon Creek: Smith (1930), p. 36	Au
Daisy Gulch: Eakin (1915b), p. 370	Au
Eldorado Creek: Alaska Div. Mines and Minerals (1959), p. 29, 50	Au
Fox Creek: Collier and others (1908), p. 221	Au
Hickey Creek: Brooks (1905), p. 21	Au
Igloo Creek: Alaska Dept. Mines (1946), p. 46	Au
Independence Creek: Collier and others (1908), p. 216-217	Au
McDougall Creek: Mertie (1918b), p. 455	Au
Sledge Creek: Mertie (1918b), p. 454; Thorne and others (1948), p. 33	Au, W
Sonora Creek: Collier and others (1908), p. 215	Au
Stevens Gulch: Brooks (1901), p. 84	Au
Willow Creek: Mertie (1918b), p. 455; Martin (1919), p. 20	Au, Sn

[1] Symbols - Au, gold; Sn, tin; W, tungsten.

[2] Gold has been produced from most of the listed placers.

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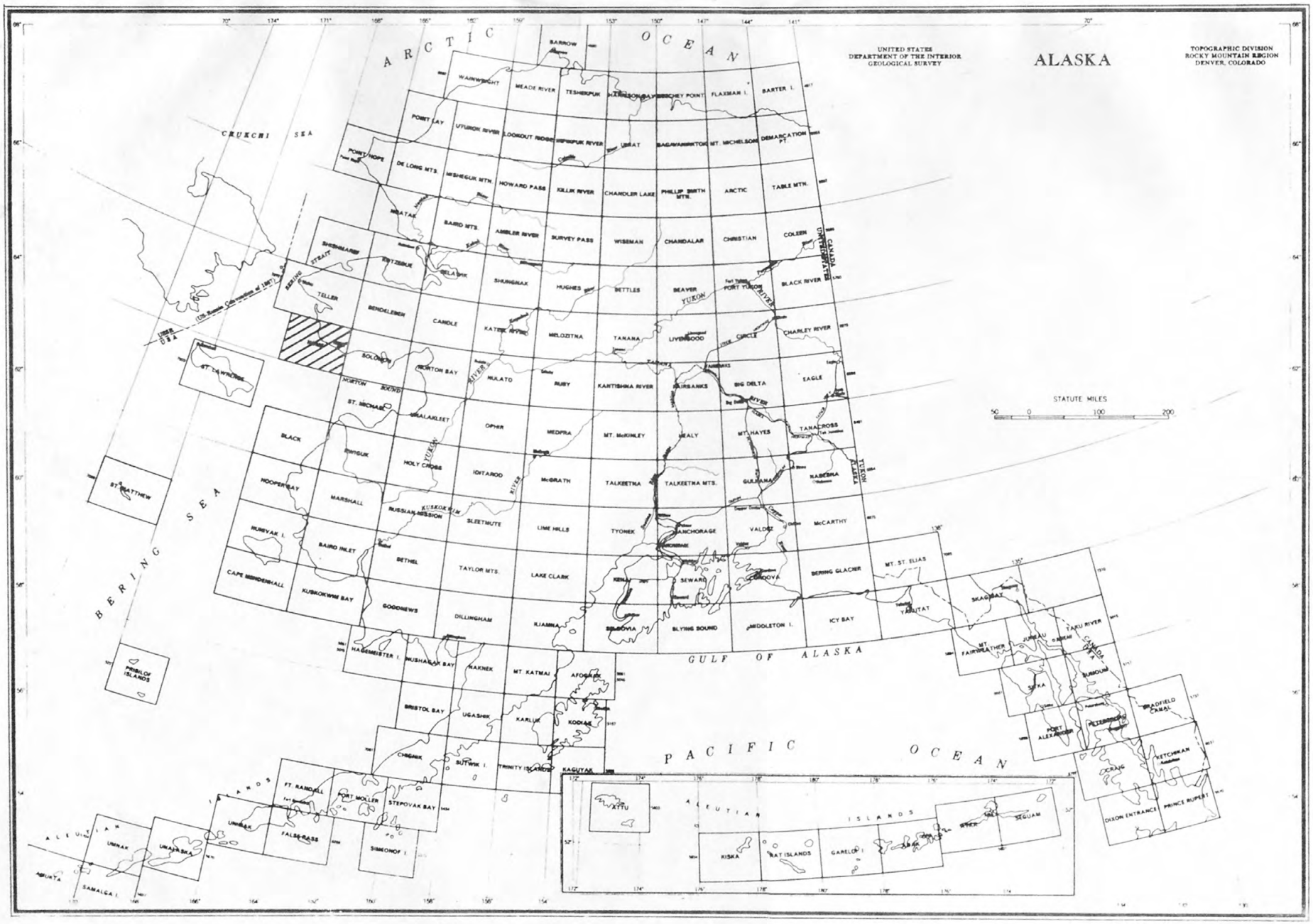

Index map showing location of the Nome quadrangle.