UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

METALLIC MINERAL RESOURCES MAP OF THE TELLER QUADRANGLE, ALASKA

Compiled by

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Open-file map

1968

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

LODE DEPOSITS

Number	Name and principal reference(s)	Commodity [1/], [2/]
1	Cape Mountain: Steidtmann and Cathcart (1922), p. 96-102; Heide, Wright, and Sanford (1946), p. 5-15	Sn, W, Zn
2	Potato Mountain: Steidtmann and Cathcart (1922), p. 88-94; Mulligan (1965), 85 p.	Sn
3	Rapid River: Sainsbury (1963), p. 5, 9, 11	Be
4	Unnamed occurrence: Unpublished data	Be, Ag
5	Alaska Chief: Steidtmann and Cathcart (1922), p. 81	Pb
6	Bessie and Maple: Steidtmann and Cathcart (1922), p. 78-80; Sainsbury (1963), p. 5, 8-9; Sainsbury (1964), p. 56	Sb, Be, Cu, Pb, Ag, Sn, W, Zn
	Wolframite-topaz: Knopf (1908b), p. 57-58	Cu, Pb, Ag, Sn, W
7	Idaho: Sainsbury (1964), p. 57	Cu
	Lost River: Sainsbury (1963), p. 3, 8-9, 13	Be
8	Lost River Mine: Steidtmann and Cathcart (1922), p. 51-74; Lorain and others (1959), 76 p.; Sainsbury (1964), 80 p.	Sb, Be, Bi, Cu, Pb, Mo, Ag, Sn, W, Zn
9	Yankee Girl: Knopf (1908b), p. 59-60; Steidtmann and Cathcart (1922), p. 80	Cu, Au, Pb, Ag, Sn
10	Tin Creek: Knopf (1908a), p. 269; Sainsbury (1963), p. 2-4, 9, 11-13	Sb, Be
11	Brooks Mountain: Knopf (1908b), p. 41-44; Brooks (1916), p. 59; Steidtmann and Cathcart (1922), p. 86-87; West and White (1952), p. 3; Sainsbury (1963), p. 13-14; Sainsbury (1964), p. 10, 57; Overstreet (1967), p. 112	Sb, Be, Bi, Cu, FM, Pb, Mz, RE, Ag, Sn, W, Zn
12	Tozer Creek, Willow Branch: Sainsbury and Hamilton (1967), p. B22-B24	Zn
13	Black Mountain: Sainsbury and Hamilton (1967), p. B23	Pb, Sn, W, Zn

[1/] Symbols - Sb, antimony; Be, beryllium; Bi, bismuth; Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Pb, lead; Mo, molybdenum; Mz, monazite; RE, mineral (other than monazite) that contains rare-earth element(s); Ag, silver; Sn, tin; W, tungsten; Zn, zinc.

[2/] Symbol underlined indicates recorded production.

Number	Name and principal reference(s)	Commodity 1/, 2/
14	Ear Mountain: Steidtmann and Cathcart (1922), p. 103-111; Killeen and Ordway (1955), p. 65-70, 86-92; Mulligan (1959a), p. 33-52; Sainsbury (1963), p. 14-15	Sb, Be, Cu, FM, Au, Pb, Hg, Mz, RE, Ag, Sn, W, Zn
15	Ward: Mertie (1918), p. 440-441; Wright (1947), 4 p.	Cu
16	Unnamed occurrence: Unpublished data	Cu
17	Worcester: Mertie (1918), p. 442	Cu, Pb
18	Unnamed occurrence: Unpublished data	Cu
19	Alder Creek: Collier and others (1908), p. 280	Au

1/ Symbols - Sb, antimony; Be, beryllium; Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Pb, lead; Hg, mercury; Mz, monazite; RE, mineral (other than monazite) that contains rare-earth element(s); Ag, silver; Sn, tin; W, tungsten; Zn, zinc.

2/ Symbol underlined indicates recorded production.

PLACER DEPOSITS

Number	Name and principal reference(s)	Commodity 1/, 2/
20	Village Creek: Heide and Sanford (1948), p. 4, 6, 13	Sn
21	Boulder Creek: Mulligan and Thorne (1959), p. 47-66; Mulligan (1966), p. 18-19, 21	Cb, Mz, RE, Ta, Sn, W
22	Goodwin Creek: Mulligan (1966), p. 18-19, 21	Sn
	Goodwin Gulch: Mulligan (1966), p. 8, 18-19, 23, 29	Sn
23	Cape (Tin City) Creek: Mulligan and Thorne (1959), p. 20-43, 45-47; Barton (1962), p. 31; Mulligan (1966), p. 18, 20-23, 29; Alaska Div. Mines and Minerals (1966), p. 11, 104	Cb, Sn
	First Chance Creek: Mulligan (1966), p. 18, 20-21, 23	Sn

1/ Symbols - Cb, columbium (niobium); Mz, monazite; RE, mineral (other than monazite) that contains rare-earth element(s); Ta, tentelum; Sn, tin; W, tungsten.

2/ Tin has been produced from some of the listed placers.

Number	Name and principal reference(s)	Commodity [1/], [2/]
24	Potato Creek: Heide and Rutledge (1949), p. 4, 7, 19	Sn
25	Diomede (Oakland) Creek: Heide and Rutledge (1949), p. 7, 20	Sn
26	Iron Creek: Heide and Rutledge (1949), p. 7-8, 15	Sn
27	Buck Creek: Steidtmann and Cathcart (1922), p. 94-96; Mulligan (1965), p. 23-31, 62-64	Au, Mz(?), Sn, W(?)
	Grouse Creek: Eakin (1915a), p. 91; Mulligan (1965), p. 9-11, 24-25	Au, Sn
	Peluk Creek: Mulligan (1965), p. 24, 27-30	Sn
	Sutter Creek: Mulligan (1965), p. 9-11, 24-25, 56-57	Au, Sn
28	Baituk (Justice) Creek: Mulligan (1959b), p. 21-23	Au
29-31	Baituk Creek: Mulligan (1959b), p. 21-23	Au, Sn
32	Kigezruk Creek: Brooks (1901), p. 135; Mulligan (1959b), p. 21	Au(?), Sn
33	Anikovik River: Mulligan (1959b), p. 5	Au, Sn
34	Deer Creek: Brooks (1901), p. 134-135	Au
35	Anikovik River: Mulligan (1959b), p. 15, 17-20	Cr, Au, Sn
36	Anikovik River: Brooks (1901), p. 136-137	Sn
37	Banner Creek: Brooks (1901), p. 135; Mulligan (1959b), p. 19	Au, Sn
38	Buckner (Buhner) Creek: Brooks (1901), p. 135-136	Au, Sn
39	Ishut Creek: Brooks (1901), p. 135; Mulligan (1959b), p. 19	Au, W
40-42	Lost River: Mulligan (1959b), p. 12-15; Alaska Div. Mines and Minerals (1966), p. 103	Pb, Ag, Sn
43	Rapid River: Mulligan (1959b), p. 13-14	Sn
44	Cassiterite Creek: Steidtmann and Cathcart (1922), p. 74; Anderson (1947), p. 44; Alaska Dept. Mines (1950), p. 53	Sn, W

1/ Symbols - Cr, chromite; Au, gold; Pb, lead; Mz, monazite; Ag, silver, Sn, tin; W, tungsten.

2/ Gold has been produced from many and tin from several of the listed placers.

Number	Name and principal reference(s)	Commodity 1/, 2/
45	York Creek (River): Mulligan (1959b), p. 15-17	Sn, W
46	York Creek, West Fork: Mulligan (1959b), p. 15-17	W
47	Tuttle Creek: Killeen and Ordway (1955), p. 69, 82; Mulligan (1959a), p. 21-22, 33	Cb, FM, Au, Mz, Sn, W
48	Tuttle Creek: Mulligan (1959a), p. 31	Sn
49	Quartz Creek: Killeen and Ordway (1955), p. 82; Mulligan (1959a), p. 30-31	Cb, FM, Mz, RE, Sn
50	Tuttle Creek: Mulligan (1959a), p. 30, 32-33	Sn
51	Unnamed creek: Mulligan (1959a), p. 30, 32	Sn
52	Step Gulch: Killeen and Ordway (1955), p. 71, 79, 81, 83	FM, Sn
53	Pinnacle Creek: Killeen and Ordway (1955), p. 82-83	FM, Mz, Sn
54	Deer Creek: Mulligan (1959a), p. 29-30, 32	Sn
55	Step Gulch Creek: Mulligan (1959a), p. 29-30, 32	Sn
56	Pinnacle Creek: Mulligan (1959a), p. 29-30, 32	Sn
57	Crosby Creek: Mulligan (1959a), p. 29-30, 32	Sn
58-60	Eldorado Creek: Mulligan (1959a), p. 1-3, 24, 29-30, 32-33	Sn
61	Eldorado Creek: Killeen and Ordway (1955), p. 82	FM, Mz, RE, Sn, W
62	Kreuger Creek: Mulligan (1959a), p. 24, 33	Sn
63	Dick Creek: Anderson (1947), p. 41, 43-44; Moxham and West (1953), p. 4-6	Au, Sn, W
64	Sunset Creek: Martin (1919), p. 41; White, West, and Matzko (1953), p. 2; Sainsbury (1967), p. D210	Au, W
65	Igloo (Moonlight) Creek: Collier and others (1908), p. 270-271	Au
66	Dewey Creek: Collier and others (1908), p. 270-271	Au

1/ Symbols - Cb, columbium (niobium); FM, fissionable materials (other than monazite); Au, gold; Mz, monazite; RE, mineral (other than monazite) that contains rare-earth element(s); Sn, tin; W, tungsten.

2/ Gold or tin has been produced from several of the listed placers.

Number	Name and principal reference(s)	Commodity [1], [2]
67	McKinley Creek: Collier and others (1908), p. 270-271	Au
68	Offield Creek: White, West, and Matzko (1953), p. 2	Au
69-71	Allene (Ilene, Swanson) Creek: Collier and others (1908), p. 271-272; White, West, and Matzko (1953), p. 2; unpublished data	Au
72	Goldrun Creek: Vertical aerial photographs, U.S. Navy, 1950; Alaska Div. Mines and Minerals (1964), p. 88 (reference probably to this creek, not to Gold Run)	Au
73	Budd Creek: Anderson (1947), p. 22; Moxham and West (1953), p. 4, 6; Malone (1962), p. 55	Cu, Au, Hg, Sn(?)
	Windy Creek: Eakin (1915b), p. 372; Moxham and West (1953), p. 4	Au, Sn(?)
74	Eagle Creek: Unpublished data	Au
75	Bering Creek: Collier and others (1908), p. 280-281	Au
76	Igloo (Eagle) Creek: White, West, and Matzko (1953), p. 1	Au
77	Windy Creek: Smith (1933b), p. 50	Au
78	Gold Run: Collier and others (1908), p. 277	Au
79	Alder Creek: Collier and others (1908), p. 279-280	Au
	Bluestone River: Collier and others (1908), p. 276-278	Au
	Gold Run: Collier and others (1908), p. 275-279; Anderson (1947), p. 43-44; White, West, and Matzko (1953), p. 1	Au, W
80	Gold Run: Collier and others (1908), p. 279	Au
81	Bluestone River: Unpublished data	Au
82	Bluestone River: Collier and others (1908), p. 273-275	Au
83	Coyote Creek: Smith (1942), p. 63	Au
84	Dese Creek: Smith (1938), p. 64; White, West, and Matzko (1953), p. 2	Au

[1] Symbols - Cu, copper; Au, gold; Hg, mercury; Sn, tin; W, tungsten.

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

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

Name and principal reference(s)	Commodity 1/, 2/
Agiapuk River: Brooks (1901), p. 126; Smith (1933a), p. 49	Au
American River: Alaska Dept. Mines (1948), p. 39, 45	Au
Birch Creek: Alaska Dept. Mines (1950), p. 42	Au
Bluestone River, Right Fork: Collier and others (1908), p. 280	Au
Burke Creek: Smith (1933a), p. 49	Au
Canyon Creek: Smith (1930), p. 36	Au
Columbia Creek: Collier and others (1908), p. 326	Au
Lawson Creek: Collier and others (1908), p. 271-272; Alaska Dept. Mines (1948), p. 38	Au
Little Skookum Creek: Brooks (1901), p. 131	Au
Million Creek: Alaska Dept. Mines (1948), p. 41	Au
Perry Gulch: Brooks (1922), p. 22	Sn
Pinguk River: Anderson (1947), p. 44	W
Sterling Creek: Knopf (1908b), p. 62	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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SOURCE OF GEOLOGIC DATA

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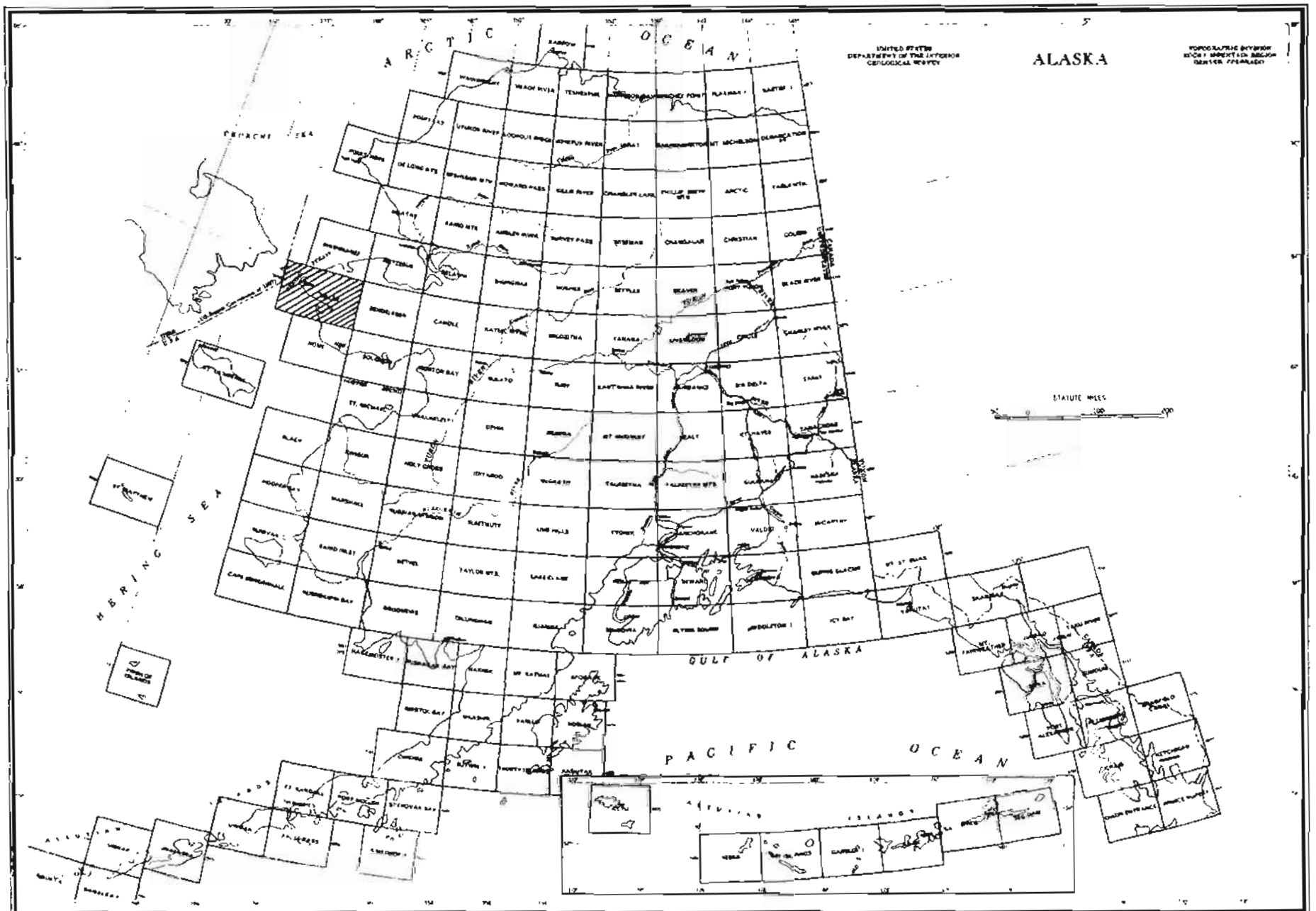

Index map showing location of the Teller quadrangle.