

Copper (Does not include sulphosalts)

Lead (Does not include sulphosalts)

Zinc

Note: Lode and placer occurrences mentioned in formal reports (other than those which are essentially annual summaries of the mineral industry of Alaska) of the U. S. Geological Survey, U. S. Bureau of Mines, and Alaska Territorial Department of Mines and informal reports of the U. S. Geological Survey which have been released to open files are shown. No reports which have been published since December 31, 1958, have been included. No attempt has been made to evaluate the occurrences on the basis of size; well-explored deposits with large reserves are shown by the same symbol as occurrences which are essentially mineralogical curiosities. Many deposits are complex and contain minerals of commodities other than those shown on this map. A few occurrences are known only from unverified reports, but most have been visited by geologists or engineers of the U. S. Geological Survey, U. S. Bureau of Mines, or Alaska Territorial Department of Mines.

COMMODITY - QUADRANGLE REFERENCE LIST

The following selected references give data on occurrences of copper, lead, and zinc by quadrangle. The quadrangle boundaries and names used on the map are those selected by the U. S. Geological Survey for topographic mapping in Alaska on a scale of 1:250,000. References selected are to the most complete or most recent descriptions of occurrences.

Abbreviations used: AR - U. S. Geological Survey Annual Report; B - U. S. Geological Survey Bulletin; C - U. S. Geological Survey Circular; I - U. S. Geological Survey Miscellaneous Geologic Investigations Map; IC - U. S. Bureau of Mines Information Circular; IP - U. S. Geological Survey report in press; OF - Report in open files of U. S. Geological Survey; P - U. S. Geological Survey Professional Paper; RI - U. S. Bureau of Mines Report of Investigations; TDM - Alaska Territorial Department of Mines Pamphlet.

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Port Alexander Quad.-----AR 18, p. 62; B 936-M, p. 324-330.
Port Moller Quad.-----B 461, p. 126, 129.
Russian Mission Quad.-----P 268, p. 122; B 926-C, p. 199.
Saint Lawrence Quad.-----TDM 5-R, p. 35-36.
Seldovia Quad.-----B 587, p. 230-232; B 897-A, p. 28-31.
Seward Quad.-----B 284, p. 85; B 379, p. 91-2; B 587, p. 142, 146-147, 151, 163, 175, 190, 207, 233-234; B 532, p. 212, 221, 229-234, 236; B 622, p. 136; B 624, p. 191-192; B 662, p. 155, 219, 211, 213, 216; B 692, p. 144, 146; B 733, p. 21; B 842-I, p. 499, 501, 502, 509, 515, 520; B 847-E, p. 85-2; B 963-B, p. 63-66, 65-77; B 1024-E, p. 113-122; I-273.
Sitka Quad.-----B 287, p. 150-151; B 504, p. 26; B 622, p. 122-124; B 773, p. 95, 108, 115, 122; B 926-C, p. 174-176, B 929, p. 114-115; 140-141; B 947-C, p. 45, 59, 62-64.
Skagway Quad.-----B 236, p. 22; B 692, p. 15, 18; B 800, p. 323.
Solomon Quad.-----B 345, p. 242; B 442, p. 134-135; B 622, p. 144; B 722, p. 188, 189, 200, 214-217; C 300, p. 6, B 314, p. 129-133; B 928-A, p. 8-11.
Survey Pass Quad.-----B 815, p. 377-388.
Taku River Quad.-----B 692, p. 254, 261; B 732, p. 109.
Talkeetna Quad.-----B 622, p. 201-204; B 783, p. 93-94.
Tanana Quad.-----B 844-D, p. 180, 182-183, 187, 210, 215-216, 232-234, 239-240.
Teller Quad.-----B 662, p. 440-444; B 733, p. 66, 79, 81, 109-111; C 214, p. 3; TDM 5-R, p. 22, 30.
Tyonek Quad.-----AR 20, p. 112.
Unalaska Quad.-----AR 18, p. 62, 85; RI 3967, p. 4-9.
Valdez Quad.-----P 15, p. 18; B 442, p. 161; B 576, p. 51-52; B 622, p. 161, 163, 166, 169, 175-177, 179, 181-182, 185-186; B 642, p. 140; B 662, p. 180; B 692, p. 171; B 745, p. 89-90, 101, 117-125; B 866, p. 29; B 880-A, p. 24; B 943-C, p. 53, 55-56; B 947-G, p. 126-132; B 963-B, p. 51-53; B 989-E, p. 302.
Wiseman Quad.-----B 815, p. 342; C 195, p. 6, 10-11; TDM 2, p. 17.

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COPPER

Ambler River Quad.-----B 536, p. 132, 147-150; B 592, p. 72; TDM 5-R, p. 23.
Anchorage Quad.-----B 284, p. 77; B 587, p. 190; B 592, p. 226, 228, 232; B 607, p. 68, 75, 77; B 642, p. 193; B 692, p. 146, 151, 186; B 712, p. 33; B 714, p. 202-203, 206; B 722, p. 70-71; B 84-L-C, p. 216, 221; B 849-C, p. 413, 416, 420; B 83-B, p. 77, 86; B 1004, p. 76, 82.
Atka Quad.-----B 557, p. 197-D, p. 149.
Bendeleben Quad.-----B 345, p. 244; B 449, p. 134; TDM 5-R, p. 20.
Blying Sound Quad.-----B 587, p. 234-236; B 662, p. 210; I-273.
Bradfield Canal Quad.-----B 642, p. 97, 99; B 722, p. 140; B 773, p. 74; B 807, p. 72-75, 82-93, 95-100, 102, 104, 106-111, 120-121; B 1024-F, p. 125, 129-134, 134-140.
Candle Quad.-----B 632, p. 322; C 250, p. 22, 29-30.
Chandalar Quad.-----B 532, p. 105, 114-115.
Chignik Quad.-----B 467, p. 129, 131.
Circle Quad.-----C 335, p. 5; C 348, p. 13-14.
Coriova Quad.-----B 443, p. 54, 63, 70; B 605, p. 93-95, 96, 103-112, 119-120; B 963-B, p. 54-56, 58-62.
Craig Quad.-----P 1, p. 77-79, 82, 87-88, 95-96, 99-101, 103, 107; P 87, p. 57-58, 62-65, 92, 94-95, 97-98, 100-101; P 251, p. 36-40, 42; B 284, p. 48, 50; B 347, p. 104-105, 108, 119-120, 127, 130-134, 136-137, 162-163, 168-170, 174-175, 188; B 379, p. 70, 83; B 430, p. 102; B 532, p. 73; B 642, p. 31-32, 34-35, 39, 73; B 662, p. 66, 68-69, 70; B 622, p. 87-88; B 714, p. 111-125; B 783, p. 52; B 826-S, p. 167-168; B 963-A, p. 78, 10, 12-15, 17, 20; B 935-C, p. 74-78; OF.
Dixon Entrance Quad.-----B 347, p. 181; B 512, p. 83; B 642, p. 34; B 692, p. 66-68, 71-72; B 917-A, p. 21.
Eagle Quad.-----B 542, p. 214, B 813, p. 141; C 335, p. 7.
Fairbanks Quad.-----B 830, p. 340, 344; B 840-B, p. 145; TDM 2, p. 13-14.
Gulkana Quad.-----B 43-B, p. 41, 43-44; B 820-D, p. 210-211; RI 340, p. 4, 6-7.

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Healy Quad.-----B 608, p. 76; B 620, p. 224; B 84-L-E, p. 31-32, 34-35.
Iliamna Quad.-----B 442, p. 146; B 405, p. 120-121, 124; B 773, p. 173-174; B 826, p. 91-92.
Juneau Quad.-----B 204, p. 33; B 267, p. 73, 92, 101, 109, 130; B 314, p. 5; B 446, p. 47; B 532, p. 33-34.
Ketchikan Quad.-----B 204, p. 65; B 336-O, p. 34-36; B 963-A, p. 2-30, 31-32, 34-35.
Kodiak Quad.-----B 1, p. 57, 71-73; B 347, p. 132-140, 152-157, 178, 180, 185; B 348-F, p. 31-32.
Lake Clark Quad.-----B 207, p. 31; RI 4328, p. 1-10.
Livengood Quad.-----B 325, p. 178, 187; B 522, p. 334.
McCarthy Quad.-----B 12, p. 124; B 345, p. 125; B 417, p. 571; B 148, p. 24-25, 57, 105-106; B 630, p. 121-125; B 669, p. 161-162; B 745, p. 87, 92, 100, 105-105, 128, 132-137; B 813, p. 54; B 147-F, p. 98-109, 111, 113-119, 117-122; B 147-G, p. 134-144; OF.
McGrath Quad.-----B 714, p. 93.
Melfra Quad.-----B 783, p. 120-130; B 864-C, p. 231-232, 237-238, 240.
Mount Fairweather Quad.-----B 773, p. 95; B 783, p. 147.
Mount Hayes Quad.-----B 41, p. 11; B 622, p. 43-44; B 712, p. 20; B 74, p. 35; B 143-B, p. 3-10, 10-11, 12-13, 14-15.
Mount Katmai Quad.-----B 657, p. 23; B 714, p. 55; B 722, p. 106; B 836, p. 31-32, 33, 34; B 843-D, p. 273-274; 275, 276-284; B 843-F, p. 302-305, 308-309, 311-312, p. 376.
Nabesna Quad.-----B 15, p. 3-40; B 417, p. 55; B 630, p. 114, 116; B 933-B, p. 169-170, 173-174, 177, 184-185, 186; B 989-D, p. 205-206; C 246, p. 8; OF.
Nome Quad.-----B 533, p. 132, 135; B 64, p. 50; B 602, p. 439, 457; B 702, p. 120, 21, 221.
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Amblar River Quad.-----B 536, p. 150, 153; B 815, p. 343.
Anchorage Quad.-----B 592, p. 226, 228; B 607, p. 75, 77; B 642, p. 133; B 692, p. 136; B 722, p. 71; B 849-C, p. 218, 221, 225; B 849-O, p. 413, 415, 420; B 897-A, p. 33; B 933-C, p. 204-206; B 1004, p. 76.
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Bradfield Canal Quad.-----B 642, p. 97, 99; B 722, p. 145; B 773, p. 74; B 793, p. 53; B 807, p. 73-75, 81-111, 120-121; B 1024-F, p. 125, 129-134, 133-140; IC 737, p. 42.
Candle Quad.-----C 250, p. 29-30; TDM 5-R, p. 31.
Chandalar Quad.-----B 532, p. 114-115; C 105, p. 8, 11; C 348, p. 16, 18.
Chignik Quad.-----B 824, p. 162; B 897-C, p. 237; C 335, p. 5; C 343, p. 11, 13.
Circle Quad.-----B 24, p. 162; B 897-C, p. 237; C 335, p. 5; C 343, p. 11, 13.
Craig Quad.-----B 605, p. 35, 108, 112; B 923-B, p. 26.
Taku River Quad.-----B 692, p. 254, 261; B 732, p. 109.
Talkeetna Quad.-----B 622, p. 201-204; B 783, p. 93-94.
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Tanana Quad.-----B 844-D, p. 180, 182-183, 187, 210, 215-216, 232-234, 239-240.
Teller Quad.-----B 662, p. 440-444; B 733, p. 66, 79, 81, 109-111; C 214, p. 3; TDM 5-R, p. 22, 30.
Tyonek Quad.-----AR 20, p. 112.
Unalaska Quad.-----AR 18, p. 62, 85; RI 3967, p. 4-9.
Valdez Quad.-----P 15, p. 18; B 442, p. 161; B 576, p. 51-52; B 622, p. 161, 163, 166, 169, 175-177, 179, 181-182, 185-186; B 642, p. 140; B 662, p. 180; B 692, p. 171; B 745, p. 89-90, 101, 117-125; B 866, p. 29; B 880-A, p. 24; B 943-C, p. 53, 55-56; B 947-G, p. 126-132; B 963-B, p. 51-53; B 989-E, p. 302.
Wiseman Quad.-----B 815, p. 342; C 195, p. 6, 10-11; TDM 2, p. 17.

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LEAD (Continued)

Iliamna Quad.-----B 442, p. 106; B 862, p. 92-93.
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Ketchikan Quad.-----B 1, p. 5; B 347, p. 147-149, 152, 176; B 392, p. 88, 90, 92; B 807, p. 67-71, 76-77; B 938-C, p. 63-65.
Kodiak Quad.-----B 825, p. 157-158, 160-161, 163, 178, 200; B 542, p. 183; B 642, p. 31-32, 33, 34; B 662, p. 406; B 686, p. 146; B 714, p. 31-32, 33, 34; B 807, p. 124-125; B 808-C, p. 175, 176.
Lake Clark Quad.-----B 325, p. 157-158, 160-161, 163, 178, 200; B 542, p. 183-184; B 642, p. 184-185; B 662, p. 185-186; B 714, p. 186-187; B 807, p. 188-189; B 880-C, p. 175, 176.
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McCarthy Quad.-----B 419, p. 105; B 745, p. 111.
Mount Fairweather Quad.-----B 26-B, p. 144; B 43-B, p. 37.
Mount Hayes Quad.-----B 637, p. 84, 86, 88, 120-123; B 714, p. 106, 108, 110, 112-123; B 807, p. 66, 81-82; B 1024-F, p. 136-137.
Mount McKinley Quad.-----B 880-C, p. 175, 176.
Nabesna Quad.-----B 328, p. 10; B 445, p. 59; B 642, p. 132, 133; B 642, p. 61;