UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUMMARIES OF DATA ON AND LISTS OF REFERENCES TO METALLIC AND SELECTED NONMETALLIC MINERAL DEPOSITS IN THE KETCHIKAN AND PRINCE RUPERT QUADRANGLES, ALASKA

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Introduction

These summaries of data on metallic and selected nonmetallic mineral occurrences and lists of selected references to them in Geological Survey, U.S. Bureau of Mines, and State of Alaska Division of Geological and Geophysical Surveys (and predecessor State and Territorial agencies) reports and maps released before Jan. 1, 1980, and two nongovernmental reports are designed to aid in library research on the mineral resources of the Ketchikan and Prince Rupert quadrangles, Alaska. The references listed are selected in the sense that mainly statistical reports such as the annual Minerals Yearbook of the U.S. Bureau of Mines and many annual and biennial reports of the Alaska Division of Geological and Geophysical Surveys and its predecessor agencies are not included. Also not included are data on many claims about which little more than their locations is known (for example, localities 42 to 50 in Elliott and others, 1978 (OF 78-73)). These omissions should not be interpreted as a judgement that the claims are not on valid mineral occurrences, but only that there are insufficient data to describe any mineral deposit that might be present. Geochemical anomalies determined by analysis of rock and stream-sediment samples in which no metallic mineral was indetified are also omitted.

This report is divided into three parts: a section made up of summaries of data and reference lists arranged alphabetically by occurrence name for each quadrangle; a second section that lists, by quadrangle, synonyms for names in the first section, the names of owners and operators of mines and prospects, and claim names; and a final section that for each quadrangle lists alphabetically by author all references mentioned in the first section and in these introductory paragraphs.

The first section consists of data on each occurrence, for each of which there is a page that gives the name of the occurrence, the mineral commodities present (listed alphabetically); the mining district (Ransome and Kerns, 1954 (IC 7679)) in which the occurrence is located; the name of the 1:250,000-scale topographic quadrangle; co-

ordinates (as described by Cobb and Kachadoorian, 1961 (B 1139), p. 3-4); the number of a map (if there is one) on which the occurrence is shown and the number of the occurrence on that map; and the latitude and longitude of the occurrence. These data, presented at the top of the page, are followed by a short, general summary of the published data on the occurrence, with the source or sources of the information shown in brackets. This is followed by a list, arranged chronologically, of references to the occurrence.

Proper names of mines, prospects, and other mineral occurrences are given if such names appear in the reports cited. If a deposit does not have such a name, but is near a named geographic feature, the name of that feature is shown in parentheses in lieu of a proper name if no ambiguity would result. If a deposit has no proper name and is not near a named geographic feature, it is titled "Unnamed prospect" or "Unnamed occurrence" and appears at the end of the list for the quadrangle in which it is situated. If a part of a proper name is not always used in references, that part of the name is shown in parentheses. This is most common in company names.

Citations are given in standard bibliographic format with the exception that references to reports and maps in numbered publication series also show in parentheses an abbrevation for the report or map series and the report or map number. Abbreviations used are:

B	U.S. Geological Survey Bulletin
BMB	U.S. Bureau of Mines Bulletin
C	U.S. Geological Survey Circular
GR	Alaska Division of Geological and Geophysical Surveys (and predecessor agancies) Geologic Report
I	U.S. Geological Survey Miscellaneous Geologic Investigations Map
IC	U.S. Bureau of Mines Information Circular
OF	U.S. Geological Survey Open-file Report (numbers with a hyphen in them are formal; numbers without a hyphen are informal and used only within the Branch of Alaska Geology of the U.S. Geological Survey)
MF	U.S. Geological Survey Miscellaneous Field Studies Map
P	U.S. Geological Survey Professional Paper
RI	U.S. Bureau of Mines Report of Investigations
SR	Alaska Division of Geological and Geophysical Surveys Special Report
USBM OF	U.S. Bureau of Mines Open-file Report

ALASKA
ARCTIC OCEAN
BERING SEA
GULF OF ALASKA
PACIFIC OCEAN

Index map

Alamo

Copper, Silver

Ketchikan district
OF 78-73B, loc. 22

Ketchikan (12.3, 13.35)
55°45'N, 130°45'W

Summary: Zone 25 m wide in Mesozoic or Paleozoic paragneiss near foliated Tertiary or Cretaceous granodiorite contains seams and disseminated veins of chalcopyrite, pyrite, and pyrrhotite. Explored by surface excavations and drill holes. Spectrographic and atomic-absorbtion analyses of samples indicated a large body of material carrying 0.2% to 0.7% Cu. Individual analyses showed as much as 0.2 ppm Au, 50 ppm Ag, and several thousand ppm Zn [no zinc mineral reported]. [Berg and others, 1977 (B 1403); Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 42, 54, 70, 73, 116-120
Berg and others, 1978 (OF 78-73M), p. 14-15
Elliott and others, 1978 (OF 78-73B), loc. 22

(Alava Bay) Iron

Ketchikan district Ketchikan (8.75, 4.2)
OF 78-73B, loc. 100 55°14'N, 131°08'W

Summary: Titaniferous magnetite associated with ultramafic rocks. Has been explored by private interests. [Berg and others, 1978 (OF 78-73M)]

References

Berg and others, 1978 (OF 78-73M), p. 24-25
Elliott and others, 1978 (OF 78-73B), loc. 100

Algonquin	Copper
Ketchikan district	Ketchikan (2.75, 3.1) approx. 55°11'N, 131°44'W approx.

Summary: Prospect somewhere between Dall Bay and Seal Cove. Quartz veins with chalcopyrite, specularite, and a little bornite in shear zone in schistose greenstone. [Chapin, 1916 (B 642)]

References

Wright and Wright, 1908 (B 347), p. 140
Chapin, 1916 (B 642), p. 93-94
Cobb, 1972 (MF-420)

(Annette Bay)

Antimony, Copper

Ketchikan district
OF 78-73B, loc. 130

Ketchikan (4.85, 4.4)
55°15'N, 131°31'W

Summary: Occurrences of antimony and copper minerals have been reported. [Berg and Cobb, 1967 (B 1246)]

References

Berg and Cobb, 1967 (B 1246), p. 180
Cobb, 1972 (MF-420), loc. 34
Elliott and others, 1978 (OF 78-73B), loc. 130

Anthony	Copper, Gold
Ketchikan district	Ketchikan (2.7, 3.3) approx. 55°11'N, 131°44'W approx.

Summary: One of several claims near Seal Cove that are on quartz lodes carrying disseminated pyrite, chalcopyrite, and specular hematite; gold reported. [Chapin, 1916 (B 642)]

References

Chapin, 1916 (B 642), p. 94
Cobb, 1972 (MF-420)

Baby George — Gold(?)

Ketchikan district — Ketchikan (8.1, 6.45)
OF 78-83B, loc. 96 — 55°22'N, 131°11'W

Summary: Short prospect tunnel exposed 10-ft-wide quartz vein in Mesozoic or Paleozoic argillite and greenschist. [Wright and Wright, 1908 (B 347); Elliott and others, 1978 (OF 78-73B)]

References

Wright and Wright, 1908 (B 347), p. 147
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), loc. 96

Baltic

Gold, Zinc

Katchikan district
OF 78-73B, loc. 88

Ketchikan (8.05, 6.7)
55°23'N, 131°12'W

Summary: Baltic and Queen claims on quartz vein 0.3 to 2 m thick in Mesozoic or Paleozoic schist. Vein contains pyrite, sphalerite, and low values in gold. Explored by open cuts and 2 short prospect tunnels. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 68
Wright and Wright, 1908 (B 347), p. 148
Cobb, 1972 (MF-420), loc. 29
Elliott and others, 1978 (OF 78-73B), loc. 88

Baltic Star — Gold, Lead, Zinc

Ketchikan district — Ketchikan (8.05, 6.75)
OF 78-73B, loc. 87 — 55°23'N, 131°11'W

Summary: Quartz vein 0.5 m wide in mineralized Mesozoic or Paleozoic schist contains pyrite, sphalerite, galena, and low free-gold values. [Elliott and others, 1978 (OF 78-73B)]

References
Brooks, 1902 (P 1), p. 68
Wright and Wright, 1908 (B 347), p. 148
Cobb, 1972 (MF-420), loc. 29
Elliott and others, 1978 (OF 78-73B), loc. 87

Bay View (Helm Bay)

Gold(?)

Ketchikan district
MF-420, loc. 1

Ketchikan (0.0, 11.4) approx.
55°39'N, 132°00'W

Summary: Mineralized zone in places 150 ft. across composed of greenstone schist and more siliceous schist filled with quartz bodies ranging in thickness from a thin stringer to 18 in. Considerable pyrite in rocks next to quartz, which does not appear to be strongly metalized. Exposed by several open cuts. [Chapin, 1916 (B 642)] May be in Craig quad.

References

Chapin, 1916 (B 642), p. 82
Cobb, 1972 (MF-420), loc. 1

Bay View (Seal Cove)

Copper, Zinc

Ketchikan district
OF 78-73B, loc. 118

Ketchikan (2.7, 3.3)
55°11'N, 131°44'W

Summary: Quartz- and calcite-cemented breccia zone with pyrite, chalcopyrite, and some bornite in the quartz; sphalerite also reported. Developed by open cut and 30-m drift. Smelter shipment reported. Country rocks are metarhyolite, trondhjemite, and a prominent mafic dike. Semiquantitative spectrographic analyses of mineralized breccia from dike showed as much as 10 ppm Ag, 0.10 ppm Au, 200 ppm As, more that 2% Cu, and 150 ppm Sn. [Elliott and others, 1978 (OF 78-76B)]

References

Brooks, 1902 (P 1), p. 70
Wright, 1907 (B 314), p. 72
Wright and Wright, 1908 (B 347), p. 140
Cobb, 1972 (MF-420), loc. 16
Eakins, 1975 (GR 44), p. 59
Elliott and others, 1978 (OF 78-73B), loc. 118

Big Joe — Copper

Ketchikan district — Ketchikan (2.55, 3.35)
OF 78-73B, loc. 115 — 55°12'N, 131°45'W

Summary: Quartz vein 3 m thick in chlorite schist traced for more than 900 m; contains pyrite and chalcopyrite. May be an extension of War Eagle mineralized zone. [Elliott and others, 1978 (OF 78-73B)] See also War Eagle.

References

Brooks, 1902 (P 1), p. 70
Wright and Wright, 1908 (B 347), p. 140
Cobb, 1972 (MF-420), loc. 15
Elliott and others, 1978 (OF 78-73B), loc. 115

Birdseye — Gold, Lead, Zinc

Ketchikan district — Ketchikan (4.35, 5.4)
OF 78-73B, loc. 73 — 55°18'N, 131°34'W

Summary: Quartz vein 1 to 1.5 m wide in porphyry dike in Mesozoic or Paleozoic slate and schist. Pyrite, galena, sphalerite, and gold in vein and adjacent dike rock. Explored by 10-m shaft and surface stripping. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 62
Wright and Wright, 1908 (B 347), p. 152
Buddington and Chapin, 1929 (B 800), p. 337
Cobb, 1972 (MF-420), loc. 22
Elliott and others, 1978 (OF 78-73B), loc. 73

Birdseye — Gold, Lead, Zinc

Ketchikan district — Ketchikan (4.35, 5.4)
OF 78-73B, loc. 73 — 55°18'N, 131°34'W

Summary: Quartz vein 1 to 1.5 m wide in porphyry dike in Mesozoic or Paleozoic slate and schist. Pyrite, galena, sphalerite, and gold in vein and adjacent dike rock. Explored by 10-m shaft and surface stripping. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 62
Wright and Wright, 1908 (B 347), p. 152
Buddington and Chapin, 1929 (B 800), p. 337
Cobb, 1972 (MF-420), loc. 22
Elliott and others, 1978 (OF 78-73B), loc. 73

Bishop	Copper, Gold, Lead, Silver
Hyder district OF 78-73B, loc. 5	Ketchikan (19.15, 17.6) 56°00'N, 130°03'W

Summary: Quartz vein 0.5 to 2 m thick traced abiut 185 m in Jurassic or Triassic Texas Creek Granodiorite. Contains pyrrhotite, pyrite, a little chalcopyrite, rare galena, and low values in gold and silver. [Buddington, 1929 (B 807); Elliott and others, 1978 (OF 78-73B)]

References

Buddington, 1929 (B 807), p. 67
Cobb, 1972 (MF-420), loc. 63
Elliott and others, 1978 (OF 78-73B), loc. 5

Black Jack (No. 7) — Uranium

Ketchikan district — Ketchikan (2.55, 2.7)
OF 78-73B, loc. 126 — 55°09'N, 131°45'W

Summary: Thin, discontinuous seam or seams of black radioactive mineral (pitchblende(?)) in a dike(?) of "serpentinized" basalt or gabbro that may be in fault contact with metamorphic country rocks. Radioactive mineral apparently occurs on surfaces of small faults. Site examination (1956) and tests with Geiger counter indicated only traces of radioactive material, some of which apparently contains as much as several percent U. Workings in 1956 consisted of several small pits. [Elliott and others, 1978 (OF 78-73B)]

References

Eakins, 1975 (GR 44), p. 57-59
Elliott and others, 1978 (OF 78-73B), loc. 126

Black Warrior	Copper(?)
Ketchikan district	Ketchikan (2.75, 3.5) approx. 55°12'N, 131°45'W approx.

Summary: Group of 3 claims on small veins in chloritic schist.

Reference
Wright and Wright, 1908 (B 347), p. 140

Blue Bucket — Gold

Ketchikan district — Ketchikan (0.45, 10.35)
OF 78-73B, loc. 39 — 55°36'N, 131°57'W

Summary: Quartz vein in chlorite and sericite schists contains pyrite and low gold values. Explored by a short prospecing tunnel. [Elliott and others, 1978 (OF 78-73B)]

References

Wright and Wright, 1908 (B 347), p. 156-157
Elliott and others, 1978 (OF 78-73B), loc. 39

(Blunt Mtn.) Lead

Ketchikan district Ketchikan (6.1, 2.5)
OF 78-73B, loc. 144 55°08'N, 131°23'W

Summary: Sparse galena, hematite(?), and pyrite in iron-stained quartz veins and pods as much as 3 m thick in schistose Paleozoic trondhjemite of Annette pluton. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 30
Cobb, 1972 (MF-420), loc. 45
Elliott and others, 1978 (OF 78-73B), loc. 144

Buck	Copper, Gold
Ketchikan district OF 78-73B, loc. 117	Ketchikan (2.75, 3.35) 55°11'N, 131°44'W

Summary: Wide quartz vein in altered quartzite and schist reported to assay well in gold and copper. [Wright and Wright, 1908 (B 347)]

References

Wright and Wright, 1908 (B 347), p. 139-140
Cobb, 1972 (MF-420), loc. 16
Elliott and others, 1978 (OF 78-73B), loc. 117

(Burroughs Bay) — Molybdenum, Uranium

Ketchikan district — Ketchikan (6.9, 17.45)
OF 78-73B, loc. 26 — 56°00'N, 131°18'W

Summary: Porphyry molybdenum deposit in Miocene granite and quartz porphyry stock. Molybdenite-quartz veins and molybdenite fracture coatings. Vein and disseminated pyrite. Analyses of vein samples indicated traces of uranium. No data on tonnage and grade of deposit. [Elliott and others, 1978 (OF 78-73B); Berg and others, 1978 (OF 78-73M)]

References

Berg and others, 1978 (OF 78-73M), p. 12-13
Elliott and others, 1978 (OF 78-73B), loc. 26

(Caamano Point)

Antimony

Ketchikan district
OF 78-73B, loc. 40

Ketchikan (0.25, 9.0)
55°31'N, 131°59'W

Summary: Country rock interbedded limy shale and limestone with minor phyllite of Mesozoic and Paleozoic age. Stibnite deposited by replacement of limestone and as discrete veinlets in fractures. Stibnite is exceptionally pure; no other metallic minerals present. Considerable exploration, largely under federal loan program, but no production. Geochemical samples from 1.8 km to northeast contained as much as 1,000 ppm Sb. [Sainsbury, 1957 (B 1024-H); Elliott and others, 1978 (OF 78-73B)]

References

Chapin, 1918 (B 662), p. 72-73
Buddington and Chapin, 1929 (B 800), p. 317, 331
Smith, 1933 (B 836), p. 80
Smith, 1933 (B 844-A), p. 80
Smith, 1934 (B 857-A), p. 75-76
Smith, 1934 (B 864-A), p. 80
Ebbley and Wright, 1948 (RI 4173), p. 5, 39-40
Sainsbury, 1957 (B 1024-H)
Kaufman, 1958 (IC 7844), p. 9
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 7
Berg and others, 1978 (OF 78-73M), p. 32-33
Elliott and others, 1978 (OF 78-73B), loc. 40

Carita

Copper

Ketchikan district
OF 78-73B, loc. 124

Ketchikan (2.3, 2.5)
55°09'N, 131°46'W

Summary: Quartz vein in calcareous conglomerate contains stringers of chalcopyrite. [Wright and Wright, 1908 (B 347)] Includes references to: Erhart, Starlight.

References

Brooks, 1902 (P 1), p. 73
Wright and Wright, 1908 (B 347), p. 140
Chapin, 1916 (B 642), p. 94 [no prospect name used]
Cobb, 1972 (MF-420), loc. 11
Elliott and others, 1978 (OF 78-73B), loc. 124

(Cascade Inlet) Gold

Ketchikan district
MF-420, loc. 43 approx.

Ketchikan (6.1, 3.1) approx.
55°10'N, 131°24'W approx.

Summary: Gold, free and with sulfides, in quartz veins along contact between graphitic schists and less deformed slaty shale. Pyrite and tetrahedrite most common sulfides. [Smith, 1914 (B 592)]

References

Smith, 1914 (B 592), p. 92
Berg and Cobb, 1967 (B 1246), p. 180
Cobb, 1972 (MF-420), loc. 43

(Cat I.)

Copper

Ketchikan district
OF 78-73B, loc. 154

Ketchikan (7.5, 0.4) approx.
55°01'N, 131°15'W approx.

Summary: 50 sacks of copper ore reported to have been shipped in 1907 by P. L. Peterson. [Bufvers, 1967 (SR 1)]

References

Berg and Cobb, 1967 (B 1246), p. 180
Bufvers, 1967 (SR 1), p. 30
Cobb, 1972 (MF-420), loc. 57
Elliott and others, 1978 (OF 78-73B), loc. 154

(Chickamin R., South Fork) Copper

Ketchikan district Ketchikan (12.8-13.5, 14.85-15.2)
MF-420, loc. 60 [in part];
OF 78-73B, loc. 20 [in part] 55°50'-55°51'N, 130°38'-130°42'W

Summary: Minor chalcopyrite and magnetite with pyrite in zone of rusty-weathering metamorphic rocks. Geochemical samples contained small amounts of Cu, Pb, Zn, Ag, and Mo. [Berg and others, 1977 (B 1403); Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807)]

References

Buddington, 1929 (B 807), p. 120
Berg and Cobb, 1967 (B 1246), p. 182
Cobb, 1972 (MF-420), loc. 60
Berg and others, 1977 (B 1403), p. 129-130, area M-6
Elliott and others, 1978 (OF 78-73B), loc. 20

Commonwealth	Copper, Gold, Molybdenum, Zinc
Hyder district OF 78-73B, loc. 14	Ketchikan (17.7, 13.6) 55°46'N, 130°12'W

Summary: Quartz(?) veins in a narrow band of quartzite, schist, and marble in Eocene quartz monzonite; contain molybdenite, sphalerite, and a trace of chalcopyrite sparsely distributed in veins and country rock with no evidence of significant concentrations; gold reported. Explored by 2 short adits. [Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807)]

References

Moffit, 1927 (B 792), p. 31
Buddington, 1929 (B 807), p. 111-112
Wedow and others, 1952 (OF 51), p. 56-57
Berg and Cobb, 1967 (B 1246), p. 154
Cobb, 1972 (MF-420), loc. 61
Elliott and others, 1978 (OF 78-73B), loc. 14

Concord — Copper, Gold, Silver, Zinc

Ketchikan district — Ketchikan (2.55, 3.05)
OF 78-73B, loc. 120 — 55°10'N, 131°45'W

Summary: Sulfide-bearing quartz-barite-carbonate veins in breccia zone at greenstone (=metarhyolite?) and pegmatite (=trondhjemite?) contacts; contain chalcopyrite, sphalerite, and a little gold and silver. Ore from one vein said to carry value of $72 per ton, chiefly in copper [prices as of about 1901]. Explored by open cuts and short tunnels. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Apex.

References

Brooks, 1902 (P 1), p. 72-73
Wright and Wright, 1908 (B 347), p. 139
Cobb, 1972 (MF-420), loc. 15
Elliott and others, 1978 (OF 78-73B), loc. 120

(Crab Bay) Barite, Copper, Gold, Lead, Silver, Zinc

Ketchikan district
OF 78-73B, loc. 146

Ketchikan (6.0, 2.9)
55°07'N, 131°24'W

Summary: Quartz lenses and veins in limestone and/or metarhyolite of Paleozoic age; sulfides in veins and adjacent country rock include tetrahedrite, galena, and minor chalcopyrite, covellite, and chalcocite; trace of gold and 9.54 oz silver per ton reported in assay. Barite in stringers several inches wide. Small stringers and disseminated grains of galena, pyrite, and chalcopyrite in brecciated dolomitic limestone. [Berg, 1978 (OF 78-73B); Smith, 1914 (B 592)] Includes reference to Tyee (Annette I.).

References

Smith, 1914 (B 592), p. 92-93
Berg and Cobb, 1967 (B 1246), p. 180
Berg, 1972 (I-684), locs. 4, 5
Cobb, 1972 (MF-420), locs. 48, 49 [neither location is correct]
Elliott and others, 1978 (OF 78-73B), loc. 146

Dall

Copper, Gold, Silver

Ketchikan district
OF 78-73B, loc. 129

Ketchikan (2.75, 2.95)
55°10'N, 131°44'W

Summary: Chalcopyrite-bearing quartz vein in greenschist and pegmatite(?). In 1901 owners reported 11% copper, $6 in gold per ton, and low values in silver and that 2 shafts had been sunk. Recent Geological Survey studies showed disseminated pyrite and chalcopyrite and pyrite- and chalcopyrite-bearing quartz-carbonate-barite veins in breccia zones in iron- and copper-stained metamorphosed volcanic, sedimentary, and intrusive rocks. In 1977 evidence of exploration activity consisted of several pits and several(?) thousand meters of drill core, mostly in disarray. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 71-72
Cobb, 1972 (MF-420), loc. 13
Elliott and others, 1978 (OF 78-73B), loc. 129

Damon — Copper(?)

Ketchikan district — Ketchikan (2.6, 3.4)
OF 78-73B, loc. 111 — 55°12'N, 131°45'W

Summary: Quartz vein heavily mineralized with pyrite in banded chlorite country rock. [Wright and Wright, 1908 (B 347)] Includes reference to O'Brien.

References

Brooks, 1902 (P 1), p. 70
Wright and Wright, 1908 (B 347), p. 140
Elliott and others, 1978 (OF 78-73B), loc. 111

Deer Lodge	Copper, Gold
Ketchikan district	Ketchikan (2.65, 3.3) approx. 55°11'N, 131°44'W approx.

Summary: Three of several claims near Seal Cove that are on quartz lodes carrying disseminated pyrite, chalcopyrite, and specular hematite; gold reported. [Chapin, 1916 (B 642)]

References

Chapin, 1916 (B 642), p. 94
Cobb, 1972 (MF-420)

(Dent Cove)

Copper, Molybdenum

Ketchikan district

Ketchikan (1.4, 5.0)
55°17'N, 131°52'W

Summary: Prospecting said to have revealed disseminated chalcopyrite and pyrite and traces of molybdenite and secondary copper minerals in sheared and altered metamorphic and intrusive rocks of Silurian or older Paleozoic age. [Berg, 1973 (B 1373)]

Reference

Berg, 1973 (B 1373), p. 37

Doe

Copper

Ketchikan district
OF 78-73B, loc. 110

Ketchikan (2.6, 3.5)
55°12'N, 131°45'W

Summary: Quartz vein 1 to 2 m wide contains pyrite and chalcopyrite; in siliceous chlorite schist. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Trio.

References

Brooks, 1902 (P 1), p. 70
Wright and Wright, 1908 (B 347), p. 139
Cobb, 1972 (MF-420), loc. 15
Elliott and others, 1978 (OF 78-73B), loc. 110

(Driest Point) Lead

Ketchikan district Ketchikan (4.0, 3.1)
OF 78-73B, loc. 134 55°11'N, 131°36'W

Summary: Crushed Paleozoic metarhyolite cut by sparse veinlets containing quartz, calcite, barite, and a few specks of galena. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 15
Cobb, 1972 (MF-420), loc. 39
Elliott and others, 1978 (OF 78-73B), loc. 134

Easter	Gold
Ketchikan district OF 78-73B, loc. 54	Ketchikan (1.85, 7.05) 55°24'N, 131°48'W

Summary: Gold- and pyrite-bearing quartz veins with trace of arsenopyrite in slate and greenschist of Cretaceous or Jurassic age. Owners reported values of $3 to $400 per ton [gold at $20.67]. Explored by small pit. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 62-63
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 10
Elliott and others, 1978 (OF 78-73B), loc. 54

(Ella Point)

Zinc

Ketchikan district
OF 78-73B, loc. 51

Ketchikan (10.1, 8.8) approx.
55°30'N, 130°59'W

Summary: Pyrite and sphalerite reported to replace sericitic schist. [Berg and Cobb, 1967 (B 1246)]

References

Berg and Cobb, 1967 (B 1246), p. 182
Cobb, 1972 (MR-420), loc. 33
Elliott and others, 1978 (OF 78-73B), loc. 51

Fish Creek (Mining Co.)	Copper, Gold, Lead, Silver, Tungsten, Zinc
Hyder district OF 78-73B, loc. 3	Ketchikan (19.2-19.25, 17.65-17.75) 56°00'N, 130°03'W

Summary: Quartz (with minor ankerite and barite) veins as much as 1 m wide mainly in Jurassic or Triassic Texas Creek Granodiorite near contact with metavolcaniclastic and metasedimentary Jurassic or Triassic rocks of Hazelton Gp.; contain galena, sphalerite, pyrite, tetrahedrite, chalcopyrite, and minor scheelite. Assays of ore from two claims showed 103 to 706 oz silver per ton, 17%-39% lead, trace to 7% copper, and less than 1 oz gold per ton. Lenticular bodies of pyrrhotite with minor chalcopyrite, pyrite, and arsenopyrite locally present, but values are low. Mine, from which there has been some commercial production, was developed by several pits, adits, and drifts. [Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807)] Note: "Fish Creek" is name of some of the claims of the adjoining Mountain View property. Includes references to: American Mining & Milling Co., Murphy & Stevenson. See also Fish Creek, Bradfield Canal quad.; property extends across quadrangle boundary.

References

Wright and Wright, 1905 (B 259), p. 66
Chapin, 1916 (B 642), p. 98
Westgate, 1922 (B 722), p. 128, 131, 134-138
Brooks, 1923 (B 739), p. 21
Buddington, 1926 (B 783), p. 42
Buddington, 1929 (B 807), p. 43, 68-71
Buddington and Chapin, 1929 (B 800), p. 317, 324, 327, 358
Smith, 1932 (B 824), p. 17
Bain, 1946 (IC 7379), p. 42
West and Benson, 1955 (B 1024-B), p. 30
Byers and Sainsbury, 1956 (B 1024-F), p. 138
Berg and Cobb, 1967 (B 1246), p. 147
Cobb, 1972 (MF-420), loc. 64
Berg and others, 1978 (OF 78-73M), p. 17
Elliott and others, 1978 (OF 78-73B), loc. 3

Fitzgerald	Lead(?)
Hyder district	Ketchikan(?) NE¼NE¼NE¼ quad.(.)

Summary: Prospect in Hyder district on which a discovery in 1921 was reported. [May be in Bradfield Canal quad.] [Brooks, 1923 (B 739)]

Reference

Brooks, 1923 (B 739), p. 21

Friday	Copper
Ketchikan district OF 78-73B, loc. 122	Ketchikan (2.15, 2.9) 55°10'N, 131°47'W

Summary: Geological Survey studies near this prospect show pyrite- and chalcopyrite-bearing quartz-carbonate(-barite?) veins in breccia zones in strongly iron-stained metamorphosed volcanic, sedimentary, and intrusive rocks. Workings visible in 1969 included a few small pits and short tunnels. [Elliott and others, 1978 (OF 78-73B)]

Reference

Elliott and others, 1978 (OF 78-73B), loc. 122

Gnat	Copper, Lead, Molybdenum
Ketchikan district OF 78-73B, loc. 21	Ketchikan (10.8, 14.65) 55°50'N, 130°54'W

Summary: Quartz fissure vein 2.5 m thick in Tertiary or Cretaceous gneissic quartz diorite. Chalcopyrite, molybdenite, galena, and pyrite relatively abundant over a thickness of about 0.5 m. [Berg and others, 1977 (B 1403)] Includes references to (Chickamin R.).

References

Buddington, 1929 (B 807), p. 120
Smith, 1942 (B 926-C), p. 171-172
Wedow and others, 1952 (OF 51), p. 57
Kaufman, 1958 (IC 7844), p. 12
Berg and Cobb, 1967 (B 1246), p. 182-183
Cobb, 1972 (MF-420), loc. 59 [location not accurate]
Berg and others, 1977 (B 1403), p. 42, 50, 60, 65, 73, 121-124
Berg and others, 1978 (OF 78-73M), p. 14-15
Elliott and others, 1978 (OF 78-73B), loc. 21

Gold(en) Banner

Gold, Lead, Zinc

Ketchikan district
OF 78-73B, loc. 95

Ketchikan (8.15, 6.5)
55°22'N, 131°11'W

Summary: Quartz vein 0.3 to 2 m thick in Mesozoic or Paleozoic schist cut by a porphyry dike contains pyrite, galena, sphalerite, and occasional particles of free gold. Explored by 20-m tunnel. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Golden Tree.

References

Brooks, 1902 (P 1), p. 67-68
Wright and Wright, 1908 (B 347), p. 147
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), loc. 95

Golden Rod

Gold

Ketchikan district
OF 78-73B, loc. 89

Ketchikan (8.2, 6.7)
55°22'N, 131°11'W

Summary: Quartz vein 5 m thick in aplitic and/or gneissic granodiorite carries low gold values. Explored by several open cuts. [Elliott and others, 1978 (OF 78-73B)]

References

Wright and Wright, 1908 (B 347), p. 146-147
Cobb, 1972 (MF-420), loc. 28
Elliott and others, 1978 (OF 78-73B), loc. 89

Gold Mountain	Copper, Gold, Lead
Ketchikan district OF 78-73B, loc. 29	Ketchikan (0.1, 10.9) 55°37'N, 132°00'W

Summary: Quartz veins and mineralized zones with quartz stringers in greenschist contain pyrite, chalcopyrite, galena, and gold; tellurides reported. Some gold production reported. Surface excavations and more than 200 m of underground workings. [Elliott and others, 1978 (OF 78-73B); Brooks, 1902 (P 1)]

References

Brooks, 1902 (P 1), p. 58-59
Wright and Wright, 1906 (B 284), p. 44-45
Wright and Wright, 1908 (B 347), p. 156
Brooks, 1915 (B 622), p. 42
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 2
Elliott and others, 1978 (OF 78-73B), loc. 29

Gold Standard

Ketchikan district
OF 78-73B, loc. 28

Bismuth, Gold, Lead

Ketchikan (0.0–0.05, 11.4)
55°39'N, 132°00'W

Summary: Two sets of quartz veins of different ages striking parallel to foliation of greenstone schist country rock dip in opposite directions; older set follows foliation and contains most of ore, which is essentially auriferous quartz and pyrite; some tetradymite (bismuth mineral) and a little galena; quartz, calcite, and chlorite gengue. Deposit discovered in 1897; intermittent mining from 1898 to 1941; production probably a few thousand ounces of gold (by far the most from any mine in Helm Bay area). A little placer gold mined from near main vein outcrop in 1913. Extensive underground workings. Mill was on property. [Cobb, 1978 (OF 78-869); Elliott and others, 1978 (OF 78-73B)] See also Gold Standard, Craig quad. Includes references to: Alaska, Free Gold.

References

Brooks, 1902 (P 1), p. 59-60
Wright and Wright, 1906 (B 284), p. 44-45
Wright, 1907 (B 314), p. 63
Wright, 1908 (B 345), p. 92
Wright and Wright, 1908 (B 347), p. 153-155
Smith, 1914 (B 592), p. 86
Brooks, 1915 (B 622), p. 42
Chapin, 1916 (B 642), p. 82
Brooks, 1922 (B 722), p. 35-36
Brooks and Capps, 1924 (B 755), p. 23
Smith, 1930 (B 813), p. 16
Smith, 1934 (B 857-A), p. 16
Smith, 1934 (B 864-A), p. 16
Smith, 1936 (B 868-A), p. 16-17
Smith, 1937 (B 880-A), p. 17
Smith, 1938 (B 897-A), p. 18
Smith, 1939 (B 917-A), p. 22
Smith, 1941 (B 926-A), p. 20
Smith, 1942 (B 933-A), p. 19
Berg and Cobb, 1967 (B 1246), p. 179
Bufvers, 1967 (SR 1), p. 6-8
Cobb, 1972 (MF-420), loc. 1
Berg and others, 1978 (OF 78-73M), p. 29
Cobb, 1978 (OF 78-869), p. 76-77
Elliott and others, 1978 (OF 78-73B), loc. 28

Goldstream — Copper, Gold, Lead, Zinc

Ketchikan district — Ketchikan (3.65, 5.4)
OF 78-73B, loc. 69 — 55°18'N, 131°38'W

Summary: Quartz veins in Cretaceous or Jurassic greenschist and quartz-sericite schist. Principal vein 1 to 2.5 m wide with best values confined to steeply pitching shoot 20 to 25 m long. Pyrite, chalcopyrite, galena, sphalerite, arsenopyrite, and free gold present. Several thousand tons of gold ore produced; values of $18 per ton [gold at $20.67] reported. Shaft 35 m deep and a few hundred meters of drifts on 2 levels. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Bell.

References

Brooks, 1902 (P 1), p. 62
Wright and Wright, 1906 (B 284), p. 44
Wright, 1907 (B 314), p. 30, 62-63
Wright, 1908 (B 345), p. 92
Wright and Wright, 1908 (B 347), p. 177-178
Wright, 1909 (B 379), p. 74
Knopf, 1911 (B 480), p. 98
Brooks, 1912 (B 520), p. 27
Brooks, 1913 (B 542), p. 33
Smith, 1914 (B 592), p. 93
Chapin, 1916 (B 642), p. 83
Berg and Cobb, 1967 (B 1246), p. 179
Bufvers, 1967 (SR 1), p. 27-28
Cobb, 1972 (MF-420), loc. 17
Berg, 1973 (B 1373), p. 36
Elliott and others, 1978 (OF 78-73B), loc. 69

Goo Goo

Gold, Lead, Zinc

Ketchikan district
OF 78-73B, locs. 93, 94

Ketchikan (8.1-8.2, 6.5)
66°22'N, 131°11'W

Summary: Two adjoining claims on quartz vein as much as 6 m wide and traced for about 600 m; in Mesozoic or Paleozoic schist and greenschist; vein contains pyrite, sphalerite, galena, and free gold, some on pockets. Deposit developed by open cuts a shaft, and a long adit. Some rich pockets were mined out before 1916; large-scale mining attempted in 1930's was not successful. [Elliott and others, 1978 (OF 78-73B); Chapin, 1916 (B 642); Bufvers, 1967 (SR 1)] Includes references to: Golden Dream, Majestic, Mother Lode.

References

Brooks, 1902 (P 1), p. 67
Wright and Wright, 1908 (B 347), p. 147
Brooks, 1912 (B 520), p. 26
Chapin, 1916 (B 642), p. 82
Berg and Cobb, 1967 (B 1246), p. 181
Bufvers, 1967 (SR 1), p. 30
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), locs. 93, 94

Grenadier — Copper(?)

Ketchikan district — Ketchikan (2.55, 3.0)
OF 78-73B, loc. 121 — 55°10'N, 131°45'W

Summary: Shear/breccia(?) zone at contact of pegmatite with schist and greenstone; mineralization along shear zone. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 73
Elliott and others, 1978 (OF 78-73B), loc. 121

Grotto	Copper
Ketchikan district OF 78-73B, loc. 109	Ketchikan (2.65, 3.5) 55°12'N, 131°44'W

Summary: Vein deposit in shear and/or breccia zone in greenschist. Owners reported 11% copper across 1.5-m mineralized zone. Explored by more than 150 m of drifts and crosscuts. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 70-71
Wright and Wright, 1908 (B 347), p. 140
Cobb, 1972 (MF-420), loc. 15
Elliott and others, 1978 (OF 78-73B), loc. 109

(Ham I.) Gold

Ketchikan district
OF 78-73B, loc. 139

Ketchikan (6.3, 3.2)
55°11'N, 131°22'W

Summary: Traces of gold in beach placer material and in quartz float near quartz-bearing Jurassic slate and graywacke bedrock. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 16
Cobb, 1972 (MF-420), loc. 65
Elliott and others, 1978 (OF 78-73B), loc. 139

(Hassler Harbor) Copper

Ketchikan district Ketchikan (5.8, 3.65)
OF 78-73B, loc. 138 55°12'N, 131°25'W

Summary: Sparsely disseminated chalcopyrite in foliated Silurian leucotrondhjemite of Annette pluton. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 11
Cobb, 1972 (MF-420), loc. 38
Elliott and others, 1978 (OF 78-73B), loc. 138

Heckman — Gold

Ketchikan district
OF 78-73B, loc. 71

Ketchikan (3.85, 5.15)
55°17'N, 131°37'W

Summary: Lode 2.5 m wide made up of quartz-calcite veins in chloritic schist of Cretaceous or Jurassic age contains pyrite and low gold values. Explored by a shaft 20 m deep, drifts, and an open cut. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 62
Wright and Wright, 1908 (B 347), p. 179
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 18
Elliott and others, 1978 (OF 78-73B), loc. 71

(Helm Bay)

Gold

Ketchikan district
MF-420, locs. 1-6; OF 78-73B, locs. 28-38

Ketchikan (0.0-0.5, 10.3-11.4)
55°36'-55°39'N, 131°57'-132°00'W

Summary: General references; for information see: Bay View, Gold Mountain, Gold Standard, (Helm Bay) Craig quad., Keystone, Kingston, Last Chance, Little Maumee, Mary T., Old Glory, Rainy Day, (Smugglers Cove), South Lakeview, U.S.

References

Brooks, 1925 (B 773), p. 10
Smith, 1930 (B 813), p. 16
Smith, 1932 (B 824), p. 18
Wedow and others, 1952 (OF 51), p. 60
Cobb, 1972 (MF-420), locs. 1-6
Berg and others, 1978 (OF 78-73M), p. 28-29, 31
Elliott and others, 1978 (OF 78-73B), locs. 28-38

High Horse	Gold, Zinc
Ketchikan district OF 78-73B, loc. 98	Ketchikan (8.15, 6.5) 55°22'N, 131°11'W

Summary: Quartz vein 0.15 to 1 m thick in Mesozoic or Paleozoic schist contains pyrite, sphalerite, and very low gold values. Explored by open cuts and short prospect tunnel. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Monster.

References

Brooks, 1902 (P 1), p. 68
Wright and Wright, 1908 (B 347), p. 147-148
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), loc. 98

Hoadley Bros.

Bismuth, Gold

Ketchikan district
OF 78-73B, loc. 62

Ketchikan (3.25, 6.3)
55°21'N, 131°40'W

Summary: Two sets of quartz veins from 10 to 60 cm thick in gabbro(?) intruded into schist; older set contains mainly pyrite and pyrrhotite; younger set carries arsenopyrite, free gold, and traces of tetradymite. Explored by open cuts and short adits. Arrastre on property. [Elliott and others, 1978 (OF 78-73B); Wright and Wright, 1908 (B 347)] May have been a little production. Includes references to prospect that carries bismuth near Wildcat prospect.

References

Brooks, 1902 (P 1), p. 61
Wright and Wright, 1905 (B 259), p. 65
Wright and Wright, 1908 (B 347), p. 151
Buddington and Chapin, 1929 (B 800), p. 332
Wedow and others, 1952 (OF 51), p. 60
West and Benson, 1955 (B 1024-B), p. 46-47
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 19
Elliott and others, 1978 (OF 78-73B), loc. 62

Hobo

Copper

Ketchikan district
OF 78-73B, loc. 112

Ketchikan (2.6, 3.3)
55°11'N, 131°45'W

Summary: Vein 3 m wide contains pyrite and chalcopyrite. May be a continuation of War Eagle vein. [Elliott and others, 1978 (OF 78-73B)] See also War Eagle.

References

Brooks, 1902 (P 1), p. 70
Wright and Wright, 1908 (B 347), p. 140
Cobb, 1972 (MF-420), loc. 15
Elliott and others, 1978 (OF 78-73B), loc. 112

Howard	Barite, Lead, Zinc
Hyder district OF 78-73B, loc. 1	Ketchikan (19.0, 17.7) 56°00'N, 130°04'W

Summary: Fissured zone with many quartz stringers in Texas Creek Granodiorite of Jurassic or Triassic age; locally mineralized with pyrite, galena, sphalerite, and barite. Explored by open cuts and stripping. [Elliott and others, 1978 (OF 78-73B)]

References

Buddington, 1929 (B 807), p. 76
West and Benson, 1955 (B 1024-B), p. 33
Byers and Sainsbury, 1956 (B 1024-F), p. 140
Cobb, 1972 (MF-420), loc. 62
Elliott and others, 1978 (OF 78-73B), loc. 1

Jewel (Gravina I.)	Copper
Ketchikan district OF 78-73B, loc. 116	Ketchikan (2.7, 3.45) 55°12'N, 131°44'W

Summary: Quartz vein carries pyrite and chalcopyrite. Explored by small crosscut. [Brooks, 1902 (P 1); Wright and Wright, 1908 (B 347)] Includes reference to Jumbo.

References

Brooks, 1902 (P 1), p. 71
Wright and Wright, 1908 (B 347), p. 139
Cobb, 1972 (MF-420), loc. 16
Elliott and others, 1978 (OF 78-73B), loc. 116

Keystone	Gold, Silver
Ketchikan district OF 78-73B, loc. 33	Ketchikan (0.0, 10.7) aprox. 55°37'N, 132°00'W approx.

Summary: Stockwork of many small quartz veins in a mineralized belt of greenschist 6 to 12 m thick. Abundant pyrite and generally low values in gold (about 0.39 oz per ton) and silver. Cross-cut tunnel, shaft, and more than 200 m of underground workings. All work in early 1900's; no record of production. [Elliott and others, 1978 (OF 78-73B); Cobb, 1978 (OF 78-869)] May be in Craig quad.

References

Brooks, 1902 (P 1), p. 57-58
Wright and Wright, 1908 (B 347), p. 157
Smith, 1914 (B 592), p. 86
Bufvers, 1967 (SR 1), p. 8
Cobb, 1978 (OF 78-869), p. 110
Elliott and others, 1978 (OF 78-73B), loc. 33

Kingston	Gold
Ketchikan district OF 78-73B, loc. 32	Ketchikan (0.35, 10.7) 55°37'N, 131°58'W

Summary: Quartz veins in 2- to 10-m-wide mineralized zone in chloritic schist; assays of $2.50 to $600 in gold per ton [gold at $20.67] reported. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 58
Cobb, 1972 (MF-420), loc. 3
Elliott and others, 1978 (OF 78-73B), loc. 32

Lake	Lead, Zinc
Ketchikan district OF 78-73B, loc. 84	Ketchikan (8.05, 7.2) 55°24'N, 131°12'W

Summary: Quartz veins in Mesozoic or Paleozoic micaceous schist and greenschist near a body of Cretaceous granodiorite contain small amounts of pyrite, galena, and sphalerite. [Elliott and others, 1978 (OF 78-73B); Berg and others, 1978 (OF 78-73A)]

References

Wright and Wright, 1908 (B 347), p. 149
Cobb, 1972 (MF-420), loc. 32
Berg and others, 1978 (OF 78-73A) [deposit not shown; cited for geology]
Elliott and others, 1978 (OF 78-73B), loc. 84

Laskawonda	Copper, Gold, Silver
Ketchikan district OF 78-73B, loc. 65	Ketchikan (3.65, 6.1) 55°21'N, 131°38'W

Summary: Slightly mineralized band of phyllite and schist cut by a few small quartz veinlets; pyrite and chalcopyrite in schist and veinlets; gold and silver reported. Explored by two shafts and surface excavations. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Schoenbar.

References

Wright and Wright, 1908 (B 347), p. 152
Bufvers, 1967 (SR 1), p. 28
Cobb, 1972 (MF-420), loc. 21
Elliott and others, 1978 (OF 78-73B), loc. 65

Last Chance	Copper, Gold
Ketchikan district OF 78-73B, loc. 35	Ketchikan (0.1, 10.6) 55°37'N, 131°59'W

Summary: Quartz vein of irregular width in belt of mineralized chloritic schist in a shear zone; minor chalcopyrite and bornite; average gold values low. Explored by short drift. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 57
Wright and Wright, 1906 (B 284), p. 44-45
Wright and Wright, 1908 (B 347), p. 157
Cobb, 1972 (MF-420), loc. 2
Elliott and others, 1978 (OF 78-73B), loc. 35

Last Shot	Copper, Gold, Lead, Silver, Tungsten, Zinc
Hyder district OF 78-73B, loc. 2	Ketchikan (19.1, 17.7) 56°00'N, 130°03'W

Summary: Quartz vein in Texas Creek Granodiorite (of Jurassic or Triassic age) ranges from 5 cm to 4 m thick; shoot of almost solid sulfides up to 50 cm thick persists for 10 m or more; contains galena, pyrite, sphalerite, pyrrhotite, chalcopyrite, tetrahedrite, and freibergite; minor scheelite also reported. 65-cm channel sample across sulfides showed 0.08 oz gold and 11.3 oz silver per ton, 6.2% lead, and 4.85% copper. Explored by pits, open cuts, and an 8-m adit. [Elliott and others, 1978 (OF 78-73B)]

References

Buddington, 1929 (B 807), p. 75-76
West and Benson, 1955 (B 1024-B), p. 33
Byers and Sainsbury, 1956 (B 1024-F), p. 123, 125, 128, 136
Cobb, 1972 (MF-420), loc. 62
Elliott and others, 1978 (OF 78-73B), loc. 2

Little Maumee

Copper, Gold

Ketchikan district
OF 78-73B, loc. 38

Ketchikan (0.5, 10.5)
55°36'N, 131°57'W

Summary: Small quartz vein in porphyritic diorite contains pyrite, chalcopyrite, and gold. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 58
Cobb, 1972 (MF-420), loc. 6
Elliott and others, 1978 (OF 78-73B), loc. 38

Lizzie L.	Copper, Gold
Ketchikan district	Ketchikan (2.65, 3.3) approx. 55°11'N, 131°44'W approx.

Summary: One of several claims near Seal Cove that are on quartz lodes carrying disseminated pyrite, chalcopyrite, and specular hematite; gold reported. [Chapin, 1916 (B 642)]

References

Chapin, 1916 (B 642), p. 94
Cobb, 1972 (MF-420)

Londevan — Copper, Gold, Lead, Silver, Zinc

Ketchikan district — Ketchikan (5.15, 7.05)
OF 78-73B, loc. 78 — 55°24'N, 131°29'W

Summary: More than 1,300 m of underground workings, including 700 m along main vein. Several small quartz veins and main vein 1 m thick cut dark Mesozoic or Paleozoic schists. Veins contain 5% or less of pyrite, sphalerite, galena, and traces of chalcopyrite, silver, and gold; in some instances the value of the silver exceeds that of the gold. Some ore was mined and stockpiled at water's edge, but not shipped. [Elliott and others, 1978 (OF 78-73B); Wright and Wright, 1908 (B 347)] Includes references to: Lon de Van Mining & Milling Co., Telegraph.

References

Brooks, 1902 (P 1), p. 63
Wright and Wright, 1906 (B 284), p. 44
Wright, 1908 (B 345), p. 92
Wright and Wright, 1908 (B 347), p. 150
Knopf, 1911 (B 480), p. 98
Brooks, 1913 (B 542), p. 33
Brooks, 1914 (B 592), p. 60
Smith, 1914 (B 592), p. 88
Buddington and Chapin, 1929 (B 800), p. 321, 337
Berg and Cobb, 1967 (B 1246), p. 181
Bufvers, 1967 (SR 1), p. 28-29
Cobb, 1972 (MF-420), loc. 24
Berg and others, 1978 (OF 78-73M), p. 18-19
Elliott and others, 1978 (OF 78-73B), loc. 78

Lucky Boy Extension — Copper, Lead, Tungsten, Zinc

Hyder district — Ketchikan (19.25, 17.45)
OF 78-73B, loc. 8 — 55°59'N, 130°03'W

Summary: Quartz stringers totaling 15 to 30 cm in thickness in fissured zone 60 to 90 cm thick in Jurassic or Triassic thin-bedded quartzite; contain pyrite, galena, and sphalerite locally with minor pyrrhotite and chalcopyrite; crosscut adit and drift with total length of 30 m. [Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807)] Includes references to: Bear, Lucky Bay.

References

Brooks, 1923 (B 739), p. 21
Buddington, 1929 (B 807), p. 67
Byers and Sainsbury, 1956 (B 1024-F), p. 140
Cobb, 1972 (MF-420), loc. 63
Elliott and others, 1978 (OF 78-73B), loc. 8

Lucky Four	Copper
Ketchikan district OF 78-73B, loc. 41	Ketchikan (2.4, 9.15) 55°31'N, 131°45'W

Summary: Iron- and copper-stained, hydrothermally altered schist contains disseminated pyrite, chalcopyrite, and possibly other sulfide minerals. Country rocks include metamorphosed sedimentary, volcanic, and plutonic rocks of Mesozoic or Paleozoic age. Semiquantative spectrographic analyses of mineralized rock samples indicated as much as 10 ppm Ag, 500 ppm Co, 2% Cu, and 30 ppm Mo. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1978 (OF 78-73M), p. 18
Elliott and others, 1978 (OF 78-73B), loc. 41

Mahoney — Copper, Gold, Lead, Zinc

Ketchikan district
OF 78-73B, loc. 76

Ketchikan (4.9, 7.5)
55°26'N, 131°31'W

Summary: Sphalerite- and galena-bearing vein about a foot thick for a length of 350 ft formed by fracture filling and minor replacement of Mesozoic or Paleozoic slate country rock. Developed by open cuts and about 300 ft of underground workings. In 1947-48 shipped 100 tons of concentrates from 400-500 tons of ore; concentrates contained 2 oz gold, 347 oz silver, 214 lbs copper, 42,086 lbs lead, and 74,829 lbs zinc. Resources estimated at 2,500 tons of material averaging 6%-7% lead and about 28% zinc. [Berg and Cobb, 1967 (B 1246): Berg and others, 1978 (OF 78-73M)] Includes references to: Asche's, Ash, (Mahoney Cr.).

References

Brooks, 1902 (P 1), p. 63-64
Wright and Wright, 1908 (B 347), p. 150-151
Smith, 1914 (B 592), p. 88-90
Robinson and Twenhofel, 1953 (B 998-C), p. 79-82
Twenhofel, 1953 (C 252), p. 6
Chapman and Shacklette, 1960 (P 400-B), p. B105
Shacklette, 1960 (P 400-B), p. B102-B103
Shacklette, 1965 (B 1198-C), p. C8-C9
Berg and Cobb, 1967 (B 1246), p. 181
Cobb, 1972 (MF-420), loc. 25
Berg and others, 1978 (OF 78-73M), p. 18-19
Elliott and others, 1978 (OF 78-73B), loc. 76

Marble Copper	Copper, Gold, Silver
Ketchikan district OF 78-73B, loc. 24	Ketchikan (11.2, 12.8) 55°44'N, 130°52'W

Summary: Malachite and traces of chalcopyrite in a marble-skarn zone in paragneiss near contact with foliated Tertiary or Cretaceous granodiorite. A 55-cm-long channel sample from a shallow cut assayed 4,000 ppm Cu, 30 ppm Ag, and 3.5 ppm Au. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 42, 50, 54, 120-122
Elliott and others, 1978 (OF 78-73B), loc. 24

Mary T. — Copper, Gold

Ketchikan district — Ketchikan (0.4, 10.45)
OF 78-73B, loc. 35 — 55°36'N, 131°58'W

Summary: Belt of mineralized sericite or chlorite schist with quartz blebs. Pyrite, chalcopyrite, secondary copper minerals, and gold present; low values reported. Explored by surface pit. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 57
Wright and Wright, 1908 (B 347), p. 157
Cobb, 1972 (MF-420), loc. 5
Elliott and others, 1978 (OF 78-73B), loc. 35

Massachusetts	Gold, Lead, Zinc
Ketchikan district OF 78-73B, loc. 86	Ketchikan (8.35, 6.9) 55°23'N, 131°10'W

Summary: Quartz vein 30 to 150 cm thick in Mesozoic or Paleozoic schist and greenschist contains pyrite, galena, and sphalerite; gold values of $12 per ton [gold at $20.67] reported. Explored by open cuts, a 10-m shaft, and 15 m of drift. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 68
Wright and Wright, 1908 (B 347), p. 148-149
Cobb, 1972 (MF-420), loc. 31
Elliott and others, 1978 (OF 78-73B), loc. 86

(Metlakatla)

Copper

Ketchikan district
OF 78-73B, loc. 148

Ketchikan (4.3, 2.2)
55°08'N, 131°34'W

Summary: Sparsely disseminated pyrite and chalcopyrite and traces of malachite in schist of Silurian(?) or older age. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 24
Cobb, 1972 (MF-420), loc. 50
Elliott and others, 1978 (OF 78-73B), loc. 148

Moonshine	Gold
Ketchikan district OF 78-73B, loc. 72	Ketchikan (3.85, 5.1) 55°17'N, 131°37'W

Summary: Two parallel quartz veins 6 m and 2 m thick in Creaceous or Jurassic greenstone explored by a 4-m shaft and a 10-m open cut. Gold vales too low for mining. [Elliott and others, 1978 (OF 78-73B); Wright and Wright, 1908 (B 347)]

References

Wright and Wright, 1908 (B 347), p. 179
Elliott and others, 1978 (OF 78-73B), loc. 72

(Moth Bay) (Cove)

Copper, Gold, Lead, Silver, Zinc

Ketchikan district
OF 78-73B, loc. 83

Ketchikan (6.6, 5.2)
55°18'N, 131°20'W

Summary: Open cuts and about 250 m of underground workings. Deposits are thin layers of Mesozoic or Paleozoic muscovite schist containing sulfide minerals with quartz and calcite gangue and some isolated podlike masses of sulfides. Sulfide minerals are pyrite, pyrrhotite, sphalerite, chalcopyrite, galena, and minor bornite and covellite. Gold and silver known only from analyses. Measured and indicated reserves include about 100,000 tons of 7.5% Zn and 1% Cu and 10,000 tons of 3% Cu. Additional 100,000 tons of lower grade material inferred. [Elliott and others, 1978 (OF 78-73B)]

References

Smith, 1914 (B 592), p. 90-91
Smith, 1932 (B 824), p. 18
Smith, 1933 (B 836), p. 15-16
Robinson and Twenhofel, 1953 (B 998-C), p. 59-71
Twenhofel, 1953 (C 252), p. 6
Wells, 1956 (RI 5245), p. 1, 3-5
Kaufman, 1958 (IC 7844), p. 12
Berg and Cobb, 1967 (B 1246), p. 182
Warfield and Wells, 1967 (USBM OF 12-67)
Cobb, 1972 (MF-420), loc. 26
Berg and others, 1978 (OF 78-73M), p. 18-19
Elliott and others, 1978 (OF 78-73B), loc. 83

Mountain View	Copper, Gold, Lead, Molybdenum, Monazite(?), Silver, Tungsten, Zinc, Uranium
Hyder district OF 78-73B, loc. 6	Ketchikan (19.15-19.25, 17.4-17.55) 55°59'N, 130°03'W

Summary: Quartz veins in Texas Creek Granodiorite and metasedimentary and metavolcanic rocks of Hazelton Gp. (both units of Jurassic or Triassic age) contain pyrite, galena, sphalerite, pyrrhotite, molybdenite, scheelite, arsenopyrite, magnetite, specular hematite, tetrahedrite, proustite, chalcopyrite, chalmersite, marcasite, anglesite, malachite, azurite, and covellite in a gangue of quartz, calcite, barite, ankerite, sericite, and chlorite. Uranium is a constituent of several of the sulfide and oxide minerals. A thin yellowish coating was tentatively identified as uranium sulfate. Monazite was tentatively identified in the heavy-mineral fraction of a crushed sample that was mainly pyrrhotite. Samples of ore from one of the principal veins averaged 1.23% WO_3 and 0.1 oz gold and 6.4 oz silver per ton across an average width of 57 cm. More than 1,100 m of underground workings, but the only ore shipped was for mill tests. [Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807); West and Benson, 1955 (B 1024-B); Houston and others, 1958 (B 1058-A)] Includes references to: Hov(e)land, Morning, Mountainview Gold Mining Co.

References

Westgate, 1922 (B 722), p. 138-139
Brooks, 1923 (B 739), p. 21
Buddington, 1925 (B 773), p. 74, 76-77
Buddington, 1926 (B 783), p. 41-42, 54-55
Moffit, 1927 (B 792), p. 31
Buddington, 1929 (B 907), p. 43, 63-67
Buddington and Chapin, 1929 (B 800), p. 317, 324, 327, 330, 358
Smith, 1930 (B 813), p. 16
Smith, 1932 (B 824), p. 17
Smith, 1942 (B 926-C), p. 171
Bain, 1946 (IC 7379), p. 42, 68-69
Erickson, 1946 (RI 3944)
Thorne and others, 1948 (RI 4174), p. 4-5, 36, 38, 45-49
Wedow and others, 1952 (OF 51), p. 49-50, 54-55
Wedow and others, 1953 (C 248), p. 6, 12
West and Benson, 1955 (B 1024-B), p. 25-27, 30-32, 34-44
Byers and Sainsbury, 1956 (B 1024-F), p. 123, 125-128, 137-138
Houston and others, 1958 (B 1058-A), p. 27-29
Kaufman, 1958 (IC 7844), p. 13
Berg and Cobb, 1967 (B 1246), p. 147
Noel, 1966, p. 63

Mountain View -- cont.

Overstreet, 1967 (P 530), p. 108
Cobb, 1972 (MF-420), loc. 63
Berg and others, 1978 (OF 78-73M), p. 17
Elliott and others, 1978 (OF 78-73B), loc. 6

(Nadzaheen Cove)

Gold, Lead, Silver

Ketchikan district
OF 78-73B, loc. 131

Ketchikan (5.1, 3.9)
55°13'N, 131°29'W

Summary: Quartz lenses and veins as much as 3 m wide and a few hundred meters long in Jurassic phyllite and fine-grained schist. Quartz and country rock near quartz contain small amount of disseminated pyrite and galena and a few specks of gold. Assay showed 0.71 oz gold and 0.91 oz silver per ton. [Berg, 1972 (I-684)]

References

Berg and Cobb, 1967 (B 1246), p. 180
Berg, 1972 (I-684), loc. 12
Cobb, 1972 (MF-420), loc. 35
Elliott and others, 1978 (OF 78-73B), loc. 131

(Nehenta Bay)

Barite, Copper

Ketchikan district

Ketchikan (2.25, 3.0) approx.
55°10'N, 131°47'W approx.

Summary: Zones of intensely hydrothermally altered rock at intersections of high-angle faults with thrust fault near Nehenta Bay contain sporadically distributed copper minerals and barite. [Berg, 1972 (P 800-C)]

Reference
Berg, 1972 (P 880-C), p. C81

Old Glory — Gold

Ketchikan district — Ketchikan (0.1, 10.75)
OF 78-73B, loc. 34 — 55°37'N, 131°59'W

Summary: Quartz vein in greenschist and some argillite; minor sulfides and free gold in vein; sulfides locally distributed in adjacent country rock. Adits and drifts total several tens of meters in length. Has been some production. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 57
Wright and Wright, 1906 (B 284), p. 44-45
Wright, 1907 (B 314), p. 63
Wright and Wright, 1908 (B 347), p. 157-158
Wright, 1909 (B 379), p. 74
Brooks, 1912 (B 520), p. 26
Smith, 1914 (B 592), p. 85-86
Brooks, 1915 (B 622), p. 42
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 2
Elliott and others, 1978 (OF 78-73B), loc. 34

Peerless (Consolidated Mining Co.) Gold

Ketchikan district
MF-420, loc. 27

Ketchikan (8.1, 6.5) approx.
55°22'N, 131°11'W approx.

Summary: Property on Thorne Arm at which there was activity in 1927 and 1928; small test shipment in 1927, the results of which were said to be encouraging. Work stopped in 1928. [Smith, 1930 (B 810); Smith, 1930 (B 813)] May refer to Goo Goo or some nearby property.

References

Smith, 1930 (B 810), p. 13
Smith, 1930 (B 813), p. 16
Berg and Cobb, 1967 (B 1246), p. 181
Cobb, 1972 (MF-420), loc. 27

Peterson — Copper, Gold, Lead, Silver, Zinc

Ketchikan district — Ketchikan (5.3, 6.65)
OF 78-73B, loc. 80 — 55°23'N, 131°28'W

Summary: Quartz-calcite vein in Mesozoic or Paleozoic schist contains pyrite, galena, sphalerite, pyrrhotite, and chalcopyrite; gold and silver reported. Explored by 2 short drifts. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Surprise. See also (Cat I.) [Peterson worked prospect there].

References

Wright and Wright, 1906 (B 284), p. 44
Wright and Wright, 1908 (B 347), p. 150
Smith, 1914 (B 592), p. 88, 90
Berg and Cobb, 1967 (B 1246), p. 181-182
Cobb, 1972 (MF-420), loc. 23
Elliott and others, 1978 (OF 78-73B), loc. 80

Plucyas	Copper(?)
Ketchikan district OF 78-73B, loc. 114	Ketchikan (2.65, 3.4) 55°12'N, 131°45'W

Summary: Quartz vein heavily mineralized with pyrite in a banded chlorite rock. [Wright and Wright, 1908 (B 347)] Includes reference to Big Three.

References

Brooks, 1902 (P 1), p. 140
Wright and Wright, 1908 (B 347), p. 140
Elliott and others, 1978 (OF 78-73B), loc. 114

Pyrite Lode

Molybdenum

Ketchikan district
OF 78-73B, loc. 103

Ketchikan (10.3, 4.6)
55°15'N, 130°58'W

Summary: Pockety occurrence of molybdenite along quartz vein in Mesozoic or Paleozoic metamorphic rocks. [Elliott and others, 1978 (OF 78-73B)]

Reference

Elliott and others, 1978 (OF 78-73B), loc. 103

Quartz Hill

Molybdenum

Ketchikan district
OF 78-73B, loc. 105

Ketchikan (15.15, 7.25)
55°24'N, 130°29'W

Summary: Large porphyry molybdenum deposit in Miocene composite hypabyssal felsic stock of fine-grained granite and a variety of porphyritic rocks with aphanitic, fine-grained and aplitic groundmass. Molybdenite-quartz veins and molybdenite fracture coatings occur over large areas; pyrite occurs as disseminated grains in porphyries and in veinlets. Reports indicate potential ore body in excess of 100 million tons of low-grade ore. [Elliott and others, 1978 (OF 78-73B)] Includes references to (Wilson Arm).

References

Elliott and others, 1976 (OF 76-507), p. 1, 9-11
Berg and others, 1977 (B 1403), p. 143
Hudson and others, 1977 (C 751-B), p. B74
U.S. Geological Survey, 1977 (P 1050), p. 86-87
Berg and others, 1978 (OF 78-73M), p. 2, 12-13
Elliott and others, 1978 (OF 78-73B), loc. 105
Gries, 1979 (IC 8789), p. 24-27

Queen — Gold, Zinc

Ketchikan district — Ketchikan (8.05, 6.7)
OF 78-73B, loc. 88 — 55°23'N, 131°12'W

Summary: Queen and Baltic claims on quartz vein 0.3 to 2 m thick in Mesozoic or Paleozoic schist. Vein contains pyrite, sphalerite, and low values in gold; explored by open cuts and two short prospect tunnels. [Elliott and others, 1978 (OF 78-73B)]

References

Wright and Wright, 1908 (B 347), p. 148
Cobb, 1972 (MF-420), loc. 29
Elliott and others, 1978 (OF 78-73B), loc. 88

Rainy Day — Gold, Lead, Zinc

Ketchikan district — Ketchikan (0.35, 10.8)
OF 78-73B, loc. 31 — 55°37'N, 131°58'W

Summary: Quartz vein 1 m thick in a granite porphyry dike 200-300 m wide; small amounts of pyrite, sphalerite, galena, and gold. Explored by open cut and 33-m tunnel. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 58
Wright and Wright, 1908 (B 347), p. 156
Cobb, 1972 (MF-420), loc. 3
Elliott and others, 1978 (OF 78-73B), loc. 31

Red River	Copper, Molybdenum
Ketchikan district OF 78-73B, loc. 108	Ketchikan (15.0, 1.4) 55°04'N, 130°31'W

Summary: Pyrite, chalcopyrite, pyrrhotite, magnetite, bornite, and molybdenite occur as scattered grains along gneissic bands in metasedimentary rocks and gneiss intruded by pegmatite; mineralized bands from a few cm to 30 m thick. Privately drilled; grade and tonnage information not available. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1978 (OF 78-73M), p. 14-15
Elliott and others, 1978 (OF 78-73B), loc. 108

(Roe Point) Copper, Gold, Silver, Zinc

Ketchikan district
OF 78-73B, loc. 104

Ketchikan (10.5, 4.95)
55°17'N, 130°57'W

Summary: Pyrite, pyrrhotite, chalcopyrite, and sphalerite form replacement(?) lodes in Mesozoic or Paleozoic mica schist; gold and silver also reported. Explored by adit with about 30 m of underground workings. [Elliott and others, 1978 (OF 78-73B)].

References

Wright and Wright, 1908 (B 347), p. 185
Berg and Cobb, 1967 (B 1246), p. 182
Cobb, 1972 (MF-420), loc. 58
Berg and others, 1978 (OF 78-73M), p. 18-19, 21
Elliott and others, 1978 (OF 78-73B), loc. 104

Salve — Gold

Ketchikan district — Ketchikan (8.0, 6.6)
OF 78-73B, loc. 90 — 55°20'N, 131°12'W

Summary: Band of mineralized sericitic schist of Mesozoic or Paleozoic age with a few small stringers of quartz. Pyrite with low gold values present. Explored by open cut and test pits. [Elliott and others, 1978 (OF 78-73B)]

References

Wright and Wright, 1908 (B 347), p. 148
Cobb, 1972 (MF-420), loc. 29
Elliott and others, 1978 (OF 78-73B), loc. 90

Sanford	Copper
Ketchikan district OF 78-73B, loc. 119	Ketchikan (2.8, 3.15) 55°11'N, 131°44'W

Summary: Pyrite and chalcopyrite in quartz and carbonate gangue in much-altered chloritic rock. Explored by short shaft and open cuts. [Wright and Wright, 1908 (B 347)]

References

Wright and Wright, 1908 (B 347), p. 139
Brooks, 1913 (B 542), p. 33
Chapin, 1916 (B 642), p. 93
Cobb, 1972 (MF-420), loc. 14
Elliott and others, 1978 (OF 78-73B), loc. 119

Sea Breeze — Gold, Lead, Zinc

Ketchikan district — Ketchikan (8.1, 6.65)
OF 78-73B, loc. 91 — 66°22'N, 131°11'W

Summary: Extension of the mineralized zone of the Sealevel mine; quartz veins from 0.3 to 2 m wide in or near porphyry dike in Mesozoic or Paleozoic greenstone; pyrite, galena, sphalerite, and an occasional speck of gold in quartz gangue. Abrupt variations in degree of mineralization and values. Explored by opencuts and 2 short tunnels. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 67
Wright and Wright, 1908 (B 347), p. 146
Smith, 1917 (BMB 153), p. 29
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), loc. 91

(Seal Cove) (Bay)

Copper, Gold, Lead, Silver, Zinc

Ketchikan district
MF-420, locs. 11-16

Ketchikan (2.3-2.8, 2.6-3.5)
55°09'-55°12'N, 131°43'-131°47'W

Summary: Lodes in complexly faulted rocks ranging in age from Silurian or older Paleozoic to Late Triassic; include quartz-dolomite-barite fissure veins, breccia fillings, and disseminated to massive replacement deposits; contain pyrite, chalcopyrite, and hematite, sporadic bornite, galena, and sphalerite, and traces of gold and silver. Has been recent prospecting activity. [Berg, 1973 (B 1373)] Includes general references and those references that cannot be tied down to specific prospects (most probably are to War Eagle). See also: Algonquin, Anthony, Bay View (Seal Cove), Big Joe, Buck, Concord, Deer Lodge, Doe, Grotto, Hobo, Jewel (Gravina I.), Lizzie L., Sanford, Victory, War Eagle.

References

Brooks, 1902 (P 1), p. 70
Wright, 1909 (B 379), p. 83
Knopf, 1911 (B 480), p. 102
Smith, 1914 (B 592), p. 93
Kaufman, 1958 (IC 7844), p. 11
Berg and Cobb, 1967 (B 1246), p. 180
Cobb, 1972 (MF-420), locs. 11-16
Berg, 1973 (B 1373), p. 36-37
Eakins, 1975 (GR 44), p. 59

Sealevel	Gold, Lead, Silver, Zinc
Ketchikan district OF 78-73B, loc. 92	Ketchikan (8.05, 6.55) 55°22'N, 131°11'W

Summary: Quartz veins cut Mesozoic or Paleozoic greenschist and altered porphyry dikes with some wall rock mineralization; mineralized belt continues more than 600 m. Pyrite, galena, sphalerite, and sparse flakes of native gold in gangue of quartz with some muscovite. Mineralization of vein and of adjacent wall rock appears greater where vein is in porphyry dike. Developed by open cuts and a 40-m shaft with more then 400 m of drifts and crosscuts; was a mill on property. An unknown amount of gold was produced in early 1900's. Silver tenor not known. [Elliott and others, 1978 (OF 78-73B); Wright and Wright, 1908 (B 347); Berg and Cobb, 1967 (B 1246)]

References

Brooks, 1902 (P 1), p. 66-67
Wright and Wright, 1905 (B 259), p. 67-68
Wright and Wright, 1906 (B 284), p. 44
Wright, 1907 (B 314), p. 63
Wright, 1908 (B 345), p. 93
Wright and Wright, 1908 (B 347), p. 144-146
Brooks, 1911 (B 480), p. 69-70
Smith, 1914 (B 592), p. 91
Brooks, 1915 (B 622), p. 42-43
Chapin, 1916 (B 642), p. 82
Smith, 1917 (BMB 153), p. 29
Smith, 1933 (B 836), p. 16
Smith, 1934 (B 857-A), p. 16
Smith, 1934 (B 864-A), p. 16
Smith, 1936 (B 868-A), p. 17
Smith, 1937 (B 880-A), p. 18
Smith, 1938 (B 897-A), p. 18
Smith, 1941 (B 926-A), p. 20
Berg and Cobb, 1967 (B 1246), p. 180-181
Bufvers, 1967 (SR 1), p. 29-30
Cobb, 1972 (MF-420), loc. 27
Berg and others, 1978 (OF 78-73M), p. 18-19, 21
Elliott and others, 1978 (OF 78-73B), loc. 92

Note: Many of above references are to activity near as well as at old Sealevel mine, but data are too inexact to determine which other mine or prospect is referred to.

Sixmile — Copper, Gold, Lead, Silver, Zinc

Hyder district — Ketchikan (19.0, 17.6)
OF 78-73B, loc. 4 — 56°00'N, 130°04'W

Summary: Narrow stringers and veins of quartz in Jurassic or Triassic Texas Creek Granodiorite; locally very rich in visible free gold (one picked sample ran 1,080 oz gold and 200 oz silver per ton); also contain pyrite, galena, and minor chalcopyrite and sphalerite. Explored by 2 adits and surface workings. [Elliott and others, 1978 (OF 78-73B); Buddington, 1929 (B 807)]

References

Buddington, 1929 (B 807), p. 76-77
West and Benson, 1955 (B 1024-B), p. 33-34, 36, 44
Byers and Sainsbury, 1956 (B 1024-F), p. 140
Berg and Cobb, 1967 (B 1246), p. 179-180
Cobb, 1972 (MF-420), loc. 62
Elliott and others, 1978 (OF 78-73B), loc. 4

Six Point

Copper

Ketchikan district
OF 78-73B, loc. 53

Ketchikan (1.5, 6.65)
57°23'N, 131°51'W

Summary: Thin quartz vein with pyrite and some chalcopyrite follows contact between altered diabase dike and Paleozoic slaty limestone. Explored by shaft and drift. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 73-74
Wright and Wright, 1908 (B 347), p. 140
Cobb, 1972 (MF-420), loc. 9
Elliott and others, 1978 (OF 78-73B), loc. 53

South Lakeview

Copper, Gold

Ketchikan district
MF-420, loc. 1 approx.

Ketchikan (0.0, 11.4) approx.
55°39'N, 132°00'W

Summary: Vein 18-24 in wide in rusty banded quartz with chalcopyrite and a little pyrite; in greenstone schist; gouge along both walls of vein. Gold free and in chalcopyrite. Adjoins Gold Standard. [Chapin, 1916 (B 642)] No other mention of this claim; may have been absorbed by Gold Standard. May be in Craig quad.

References

Chapin, 1916 (B 642), p. 82
Cobb, 1972 (MF-420), loc. 1

(Smugglers Cove) Gold

Ketchikan district Ketchikan (0.0-0.5, 10.35-10.9)
55°36'-55°37'N, 131°57'-132°00'W

Summary: Reports of development work at Martin-Bugge (or Bugge) properties or property in 1912 and 1913 and of general dead-work activity in 1930. Cannot locate any more definitely than Smugglers Cove general area; probably does not include work at Gold Standard. See: Blue Bucket, Gold Mountain, Keystone, Kingston, Last Chance, Little Maumee, Mary T., Old Glory, Rainy Day, U.S. Includes references to: Bugge, Martin-Bugge.

References

Brooks, 1913 (B 542), p. 34
Brooks, 1914 (B 592), p. 60
Smith, 1933 (B 836), p. 16
Cobb, 1972 (MF-420), loc. 4 [probably not correct]

South Lakeview

Copper, Gold

Ketchikan district
MF-420, loc. 1 approx.

Ketchikan (0.0, 11.4) approx.
55°39'N, 132°00'W

Summary: Vein 18-24 in wide in rusty banded quartz with chalcopyrite and a little pyrite; in greenstone schist; gouge along both walls of vein. Gold free and in chalcopyrite. Adjoins Gold Standard. [Chapin, 1916 (B 642)] No other mention of this claim; may have been absorbed by Gold Standard. May be in Craig quad.

References

Chapin, 1916 (B 642), p. 82
Cobb, 1972 (MF-420), loc. 1

(Swan Lake)

Molybdenum

Ketchikan district
OF 78-73B, loc. 50.1

Ketchikan (7.65, 10.7)
55°37'N, 131°14'W

Summary: Trace of very fine-grained molybdenite disseminated in rusty-weathering 15-m-thick Cretaceous(?) felsic sill(?) that intruded Mesozic or Paleozoic paragneiss. Geochemical sample contained 150 ppm Mo. [Elliott and others, 1978 (OF 78-73B); Berg and others, 1978 (OF 78-73M)]

References

Berg and others, 1978 (OF 78-73M), p. 18, 22
Elliott and others, 1978 (OF 78-73B), loc. 50.1

(Tamgas Harbor) Copper

Ketchikan district Ketchikan (4.6, 1.45)
OF 78-73B, loc. 150 55°05'N, 131°32'W

Summary: Very sparsely disseminated pyrite and chalcopyrite in schist and hornfels of Silurian(?) or older age. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 26
Cobb, 1972 (MF-420), loc. 52
Elliott and others, 1978 (OF 78-73B), loc. 150

Tongass

Gold(?)

Ketchikan district
OF 78-73B, loc. 56

Ketchikan (2.0, 7.0) approx.
55°24'N, 131°48'W

Summary: Pyrite-bearing quartz vein 30 cm wide in slate of Cretaceous or Jurassic age. [Elliott and others, 1978 (OF 78-73B)] [Free gold probably present.]

References

Brooks, 1902 (P 1), p. 61
Elliott and others, 1978 (OF 78-73B), loc. 56

Tyee (Thorne Arm)

Gold, Lead, Zinc

Ketchikan district
OF 78-73B, loc. 85

Ketchikan (8.15, 6.9)
55°23'N, 131°11'W

Summary: Quartz vein 1 m thick in Cretaceous granodiorite contains pyrite, sphalerite, galena, and low values in gold. [Elliott and others, 1978 (OF 78-73B); Berg and others, 1978 (OF 78-73A)]

References

Wright and Wright, 1908 (B 347), p. 148
Cobb, 1972 (MF-420), loc. 30
Berg and others, 1978 (OF 78-83A) [deposit not shown; cited for geology]
Elliott and others, 1978 (OF 78-73B), loc. 85

Typhoon — Gold(?)

Ketchikan district — Ketchikan (2.0, 7.0) approx.
OF 78-73B, loc. 55 — 55°24'N, 131°48'W

Summary: Pyrite-bearing quartz vein 20 cm thick in slate of Cretaceous or Jurassic age. [Elliott and others, 1978 (OF 78-73B)] [Free gold probably present.]

References

Brooks, 1902 (P 1), p. 61
Elliott and others, 1978 (OF 78-73B), loc. 55

U.S. Gold

Ketchikan district
OF 78-73B, loc. 37

Ketchikan (0.4, 10.45)
55°36'N, 131°58'W

Summary: Quartz vein in chlorite schist carries pyrite and gold; low values. Explored by surface cuts and short prospect tunnels. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 57
Wright and Wright, 1908 (B 347), p. 157
Cobb, 1972 (MF-420), loc. 5
Elliott and others, 1978 (OF 78-73), loc. 37

Victoria	Commodity not known
Hyder district OF 78-73B, loc. 9	Ketchikan (19.4, 17.35) 55°59'N, 130°01'W

Summary: Old prospect explored by a few short adits. Country rock is sparsely mineralized [with what not given in any of references] Jurassic or Triassic metamorphosed volcanic and sedimentary rocks. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Adanac.

References

Buddington, 1929 (B 807), p. 67-78
West and Benson, 1955 (B 1024-B), p. 33, 44
Elliott and others, 1978 (OF 78-73B), loc. 9

Victory	Copper
Ketchikan district	Ketchikan (2.7, 3.3) approx. 55°11'N, 131°44' approx.

Summary: Considerable work reported, 1911-12. [Brooks, 1913 (B 520); Brooks, 1913 (B 542)] Probably refers to work at War Eagle, but may be to some other prospect.

References

Brooks, 1912 (B 520), p. 26
Brooks, 1913 (B 542), p. 33
Cobb, 1972 (MF-420)

War Eagle — Copper, Gold

Ketchikan district — Ketchikan (2.65, 3.3)
OF 78-73B, loc. 113 — 55°11'N, 131°45'W

Summary: Quartz veins in shear/breccia zones in greenschist contain pyrite, chalcopyrite, and minor gold with quartz gangue. 600-m crosscut intersected 6 or more veins. Was minor production. [Elliott and others, 1978 (OF 78-73B); Eakins, 1975 (GR 44)]

References

Brooks, 1902 (P 1), p. 70
Wright, 1907 (B 314), p. 72
Wright and Wright, 1908 (B 347), p. 140
Knopf, 1910 (B 442), p. 143
Cobb, 1972 (MF-420), loc. 15
Eakins, 1975 (GR 44), p. 59
Elliott and others, 1978 (OF 78-73B), loc. 113

Washington	Copper
Ketchikan district OF 78-73B, loc. 127	Ketchikan (2.45, 2.8) 55°10'N, 131°45'W

Summary: Pyrite and chalcopyrite with quartz and jasper gangue in brecciated zone along contact between pegmatite and diabase dike. [Brooks, 1902 (P 1)]

References

Brooks, 1902 (P 1), p. 72
Cobb, 1972 (MF-420), loc. 12
Elliott and others, 1978 (OF 78-73B), loc. 127

White Knight — Copper

Ketchikan district — Ketchikan (1.4, 5.95)
OF 78-73B, loc. 52 — 55°20'N, 131°51'W

Summary: Small masses of chalcopyrite associated with pyrite and pyrrhotite in Paleozoic greenstone; little development. [Elliott and others, 1978 (OF 78-73B)]

References

Brooks, 1902 (P 1), p. 74
Wright and Wright, 1908 (B 347), p. 140
Berg and Cobb, 1967 (B 1246), p. 179-180
Cobb, 1972 (MF-420), loc. 8
Elliott and others, 1978 (OF 78-73B), loc. 52

Wildcat

Copper, Gold

Ketchikan district
OF 78-73B, loc. 63

Ketchikan (3.3, 6.2)
55°21'N, 131°40'W

Summary: Two sets of veins in diorite or gabbro intruded into black slate; older set contain pyrrhotite; younger set includes main vein, which is 30 to 40 cm thick and was traced for more than 300 m and contains gold, pyrite, and minor chalcopyrite. Wall rock locally mineralized. Prospect explored by open cuts, short adits, and shafts. Five tons of ore tested said to have returned $20-$30 per ton [gold at $20.67]. [Elliott and others, 1978 (OF 78-73B); Brooks, 1902 (P 1); Wright and Wright, 1908 (B 347)]

References

Brooks, 1902 (P 1), p. 61
Wright and Wright, 1908 (B 347), p. 151-152
West and Benson, 1955 (B 1024-B), p. 46-57
Berg and Cobb, 1967 (B 1246), p. 179
Cobb, 1972 (MF-420), loc. 20
Elliott and others, 1978 (OF 78-73B), loc. 63

Wild West — Gold

Ketchikan district — Ketchikan (8.15, 6.4)
OF 78-73B, loc. 97 — 55°22'N, 131°11'W

Summary: Several quartz stringers about 30 cm wide in Mesozoic or Paleozoic argillite and sericite schist carry low gold values. Explored by surface cuts only. [Elliott and others, 1978 (OF 78-73B)] Includes reference to Tide Water.

References

Brooks, 1902 (P 1), p. 68
Wright and Wright, 1908 (B 347), p. 147
Cobb, 1972 (MF-420), loc. 27
Elliott and others, 1978 (OF 78-73B), loc. 97

(Yellow Hill) Asbestos, Chromite, Platinum

Ketchikan district
OF 78-73B, loc. 149

Ketchikan (4.3, 1.8)
55°06'N, 131°34'W

Summary: Partly serpentinized dunite of probably Cretaceous age contains scattered thin seams of chrysotile asbestos and sparse veinlets and disseminated grains of chromite. Random sample of massive dunite contained 0.029 ppm Pt, but less than 0.005 ppm Rh and Pd. [Berg, 1972 (I-684)]

References
Berg and Cobb, 1967 (B 1246), p. 183
Berg, 1972 (I-684), loc. 22
Cobb, 1972 (MF-420), loc. 51
Elliott and others, 1978 (OF 78-73B), loc. 149

Unnamed prospect

Barite

Ketchikan district
OF 78-73B, loc. 52.2

Ketchikan (1.75, 3.5)
55°12'N, 131°49'W

Summary: Meter-wide fault (breccia) zone in dikelike mafic(?) igneous rock structurally mixed with sedimentary and other igneous country rocks. Breccia weathers orange or red and contains quartz, carbonate, barite, and small amounts of sulfide(?) minerals. Geochemical samples of breccia and country rock contained as much as 70 ppm Ag, 0.15 ppm Au, more than 0.5% Ba, 700 ppm Cu, 1.5% Pb, more than 1.0% Zn, and possibly anomalous amounts of other metals. In 1969 workings consisted of an adit approximately 7 m long.

Reference
Elliott and others, 1978 (OF 78-73B), loc. 52.2

Unnamed occurrence	Copper
Ketchikan distric OF 78-73B, loc. 151	Ketchikan (3.5, 0.6) 55°02'N, 131°39'W

Summary: Thin stringers and streaks of pyrite and chalcopyrite in schist and gneiss of Silurian(?) or older age. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 25
Cobb, 1972 (MF-420), loc. 53
Elliott and others, 1978 (OF 78-73B), loc. 151

Unnamed occurrence	Copper
Ketchikan district OF 78-73, loc. 147	Ketchikan (5.7, 1.95) approx. 55°07'N, 131°26'W approx.

Summary: Location only approximate. Disseminated chalcopyrite in Silurian leucotrondhjemite of Annette pluton. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 23
Cobb, 1972 (MF-420), loc. 47
Elliott and others, 1978 (OF 78-73B), loc. 147

Unnamed occurrences	Copper
Ketchikan district OF 78-73B, loc. 137	Ketchikan (4.5, 3.1) 55°11'N, 131°33'W

Summary: Quartz veinlets containing chalcopyrite, pyrite, hematite, and secondary copper minerals in brecciated Silurian leucotrondhjemite and felsic aphanite of the Annette pluton. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), locs. 19, 20
Cobb, 1972 (MF-420), loc. 42
Elliott and others, 1978 (OF 78-73B), loc. 137

Unnamed occurrence	Copper
Ketchikan district OF 78-73B, loc. 132	Ketchikan (4.65, 3.75) 55°13'N, 131°32'W

Summary: Trace of malachite in Paleozoic conglomerate. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 21
Cobb, 1972 (MF-420), loc. 36
Elliott and others, 1978 (OF 78-73B), loc. 132

Unnamed prospect

Copper

Ketchikan district
OF 78-73B, loc. 52.1

Ketchikan (1.65, 4.65)
55°16'N, 131°50'W

Summary: Iron- and copper-stained brecciated metarhyolite(?) contains quartz, hematite, chalcopyrite, and pyrite. Lode is about 3 m wide. In 1970 workings consisted of a water-filled adit of unknown length. Sample of mineralized breccia contained 1.5 ppm Ag and 2% Cu. [Elliott and others, 1978 (OF 78-73B)]

References

Berg, 1973 (B 1373), p. 37
Elliott and others, 1978 (OF 78-73B), loc. 52.1

Unnamed occurrence	Copper
Ketchikan district OF 78-73B, loc. 25	Ketchikan (11.5, 12.55) 55°43'N, 130°52'W

Summary: Chalcopyrite with pyrite in paragneiss of Tertiary or Mesozoic age. Chip sample across 13 m of gneiss assayed 1,000 ppm Cu. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 135, area G-9
Elliott and others, 1978 (OF 78-73B), loc. 25

Unnamed occurrence — Copper

Hyder district — Ketchikan (15.6, 14.75)
OF 78-73B, loc. 15 — 55°50'N, 130°25'W

Summary: Trace of chalcopyrite with pyrite and pyrrhotite in rusty-weathering paragneiss of Tertiary or Cretaceous age. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 132, area M-7
Elliott and others, 1978 (OF 78-73B), loc. 15

Unnamed occurrence	Copper
Ketchikan district OF 78-73B, loc. 19	Ketchikan (12.8, 15.8) 55°54'N, 130°42'W

Summary: Sparse chalcopyrite with pyrite in rusty-weathering zone in pelitic schist and gneiss of Mesozoic or Paleozoic age. Spectrographic analyses of samples showed as much as 150 ppm Mo. [Berg and others, 1977 (B 1403); Elliott and others, 2978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 126, 128, area M-4
Elliott and others, 1978 (OF 78-73B), loc. 19

Unnamed occurrence	Copper
Ketchikan district OF 78-73B, loc. 18	Ketchikan (12.6, 16.1) 55°55'N, 130°43'W

Summary: Traces of chalcopyrite and pyrrhotite in rusty-weathering zone in paragneiss of Mesozoic or Paleozoic age. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 126-127, area M-3
Elliott and others, 1978 (OF 78-73B), loc. 18

Unnamed occurrence	Copper
Ketchikan district OF 78-73B, loc. 17	Ketchikan (11.7, 16.4) 55°56'N, 130°49'W

Summary: A little pyrrhotite and traces of chalcopyrite in broad, rusty-weathering zone in paragneiss of Mesozoic or Paleozoic age. Geochemical samples contained small amounts of Cu, Pb, Zn, Mo, and Ag. [Berg and others, 1977 (B 1403); Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 124-126, area M-2
Elliott and others, 1978 (OF 78-73B), loc. 17

Unnamed occurrences — Copper, Gold(?)

Ketchikan district — Ketchikan (6.5, 1.05)
OF 78-73B, loc. 153 — 55°04'N, 131°21'W

Summary: Traces of chalcopyrite, malachite, pyrite, and hematite in sheared aplite and leucocratic quartz monzonite of the Silurian Annette pluton. Metalliferous minerals occur in iron-stained zones an inch or so thick and about a foot long. [Berg, 1972 (I-684)]

References

Wright and Wright, 1908 (B 347), p. 180
Berg, 1972 (I-684), loc. 7
Cobb, 1972 (MF-420), loc. 54
Elliott and others, 1978 (OF 78-73B), loc. 153

Unnamed occurrences	Copper, Gold, Lead, Silver
Ketchikan district MF-420, locs. 55, 56 [in part]	Ketchikan (6.1-6.3, 0.35-1.0) approx. 55°01'-55°03'N, 131°22'-131°24'W approx.

Summary: Along southeastern shore of Annette I. veins contain pyrite, chalcopyrite, and some galena. Farther inland small veins contain tetrahedrite and chalcopyrite; some said to carry high values in gold and silver. Band of mineralized schist contains chalcopyrite and pyrite and is said to carry low values in gold and silver. [Wright and Wright, 1908 (B 347)]

Reference

Wright and Wright, 1908 (B 347), p. 180
Cobb, 1972 (MF-420), locs. 55, 56 [in part]

Unnamed occurrence

Copper, Gold, Lead, Silver

Ketchikan district
OF 78-73B, loc. 145

Ketchikan (6.25, 2.25)
55°08'N, 131°23'W

Summary: Quartz veins 1 m or less wide in Paleozoic metarhyolite and metarhyolite breccia contain pyrite, chalcopyrite, and galena; gold and silver reported in assays. Traces of disseminated chalcopyrite and pyrite in rhyolite microbreccia in 33-m-long adit. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 1
Cobb, 1972 (MF-420), loc. 46
Elliott and others, 1978 (OF 78-73B), loc. 145

Unnamed occurrence

Copper, Gold, Lead, Silver, Zinc

Ketchikan district
OF 78-73B, loc. 143

Ketchikan (6.4, 2.6)
55°09'N, 131°22'W

Summary: Assays of samples of quartz veins less than 1 m wide indicated as much as 0.91 oz silver and 0.43 oz gold per ton and 2% Pb, 0.85% Cu, and 16.75% Zn [no data on mineralogy]. Country rock Paleozoic metarhyolite. [Berg, 1972 (I-684)] Chalcopyrite, galena, and sphalerite almost certainly present.

References

Berg, 1972 (I-684), loc. 3
Cobb, 1972 (MF-420), loc. 44
Elliott and others, 1978 (OF 78-73B), loc. 143

Unnamed occurrence — Copper, Lead

Ketchikan district — Ketchikan (4.1, 3.05)
OF 78-73B, loc. 135 — 55°10'N, 131°36'W

Summary: Shear zone 3(?) m wide in Paleozoic metarhyolite contains calcite and quartz veins carrying barite and hematite plus small amounts of galena, chalcopyrite, and pyrite. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 16
Cobb, 1972 (MF-420), loc. 40
Elliott and others, 1978 (OF 78-73B), loc. 135

Unnamed occurrences	Copper, Lead, Zinc
Ketchikan district OF 78-73B, loc. 142	Ketchikan (6.4, 2.7) 55°09'N, 131°22'W

Summary: Quartz lenses and veins as much as 10 m wide and 30 m long in Paleozoic phyllite and metarhyolite; some veins contain small amounts of galena, pyrite, and marcasite(?). Nearby metarhyolite(?) contains small amounts of sphalerite, chalcopyrite, pyrite, and galena. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), locs. 8, 9
Cobb, 1972 (MF-420), loc. 44
Elliott and others, 1978 (OF 78-73B), loc. 142

Unnamed occurrence	Copper, Molybdenum
Ketchikan district OF 78-73B, loc. 23	Ketchikan (11.25, 12.9) 55°44'N, 130°56'W

Summary: Minor amounts of chalcopyrite and molybdenite in a 55-cm-wide quartz vein at contact between paragneiss and quartz diorite, both of Tertiary or Cretaceous age. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 134-135, area G-7
Elliott and others, 1978 (OF 78-73B), loc. 23

Unnamed occurrence	Copper, Molybdenum
Ketchikan district OF 78-73B, loc. 16	Ketchikan (11.3, 17.2) 55°59'N, 130°51'W

Summary: Traces of molybdenite and chalcopyrite in small quartz veins in a zone of iron-stained paragneiss of Mesozoic or Paleozoic age. [Elliott and others, 1978 (OF 78-73B)]

References

Berg and others, 1977 (B 1403), p. 61, 123-125, area M-1
Elliott and others, 1978 (OF 78-73B), loc. 16

Unnamed occurrence	Gold, Lead, Silver
Ketchikan district OF 78-73B, loc. 133	Ketchikan (4.1, 3.55) 55°12'N, 131°35'W

Summary: Galena in thin, discontinuous calcite-quartz fissure veins in subhorizontal shear zone as much as 6 m thick and a few hundred meters long. Grab sample assayed 1.38 oz. gold and 0.42 oz silver per ton. Country rock is Silurian trondhjemite of Annette pluton. [Berg, 1972 (I-684)]

References
Berg, 1972 (I-684), loc. 14
Cobb, 1972 (MF-420), loc. 37
Elliott and others, 1978 (OF 78-73B), loc. 133

Unnamed occurrence — Lead

Ketchikan district — Ketchikan (4.2, 3.1)
OF 78-73B, loc. 136 — 55°11'N, 131°35'W

Summary: Three-m-wide shear zone in brecciated Paleozoic metarhyolite contains veins and irregular masses of barite and calcite, plus small amounts of hematite and galena. [Berg, 1972 (I-684)]

References

Berg, 1972 (I-684), loc. 18
Cobb, 1972 (MF-420), loc. 41
Elliott and others, 1978 (OF 78-73B), loc. 136

Unnamed occurrence

Silver

Ketchikan district

Ketchikan (13.6, 13.6)
55°46'N, 130°37'W

Summary: Chip samples of paragneiss, representing 1.2 to 18 m of section each, along 0.8 km of strike length contained from 1 to 2 ppm silver. [Berg and others, 1977 (B 1403)]

Reference

Berg and others, 1977 (B 1403), p. 137, site G-29

(Duke I.) — Chromite, Copper, Iron, Nickel, Platinum group

Ketchikan district — Prince Rupert (5.8-7.7, 15.3-16.6)
MF-437, locs. 4-13 — 54°52'-54°57'N, 131°15'-131°26'W

Summary: Hornblende pyroxenite forms partial to complete envelopes around ultramafic bodies composed mainly of graded layers of olivine pyroxenite and dunite that intruded a large gabbroic mass that is altered to hornblende gabbro near contacts with ultramafic masses. In places in hornblende pyroxenite graded layering of pyroxene and titaniferous magnetite can be seen. Rare specks of sulfides (pyrrhotite, pyrite, pentlandite, and chalcopyrite) are widely disseminated through hornblende pyroxenite. Chromite occurs in dunite and peridotite as disseminated euhedra and grains and as small massive veins and clots. Analyses of 22 samples showed averages of 0.037 ppm Pt (10 samples), 0.033 ppm Pd (16 samples), and 0.010 ppm Rh (6 samples); no Ir. Has been drilling by private interests; data on potential iron resources have not been released. [Irvine, 1959; Taylor and Noble, 1960, Berg and others, 1978 (OF 78-73M)]

References

Irvine, 1959
Taylor and Noble, 1960, p. 178-180
Berg and Cobb, 1967 (B 1246), p. 183
Clark and Greenwood, 1972 (P 800-C), p. C159
Cobb, 1972 (MF-437), locs. 4-13
Page and others, 1974 (P 820), p. 542-543
Berg and others, 1978 (OF 78-73M), p. 24-25, 27
Elliott and others, 1978 (OF 78-73B), locs. 159-174

(Gardner Bay) Uranium and/or Thorium

Ketchikan district Prince Rupert (0.25, 14.35)
MF-437, loc. 1 54°59'N, 131°59'W

Summary: Several small prospect pits on pegmatite dikes and lenses as much as 2 ft thick cutting diorite or quartz diorite. Pegmatites consist mainly of pink perthite and quartz; contain a little oligoclase, biotite, and magnetite and very sparsely distributed "radioactive blacks." [MacKevett, 1963 (B 1154)]

References

MacKevett, 1963 (B 1154), p. 93-94
Berg and Cobb, 1967 (B 1246), p. 184
Cobb, 1972 (MF-437), loc. 1 [locs. 1 and 2 transposed in table]
Eakins, 1975 (GR 44), p. 10

(Kanagunut I.)

Garnet

Hyder district
OF 78-73B, loc. 183 in part

Prince Rupert (13.2-13.3, 12.7-12.9)
54°43'-54°44'N, 130°41'-130°42'W

Summary: Red garnet crystals as much as 1 in across (crystals commonly fractured) and smaller dark red to black garnets are estimated to make up 30% to 40% of beds of garnetiferous schist and granulite of Mesozoic or Paleozoic age. Garnets derived from schist make up a garnet beach placer. [Sainsbury, 1957 (B 1024-G)] Includes references to Garnet.

References

Sainsbury, 1957 (B 1024-G), p. 152
Cobb, 1973 (B 1374), p. 105
Elliott and others, 1978 (OF 78-73B), loc. 183

Nelson & Tift — Copper, Gold, Lead, Silver

Ketchikan district — Prince Rupert (0.3, 14.0)
MF-437, loc. 2 — 54°48'N, 131°58'W

Summary: Deposit discovered in 1935; has been mined out. Was a lens composed mostly of auriferous pyrite with some chalcopyrite, bornite, and probably other sulfides in a roof pendant of cherty marble in quartz diorite. About 1,300 tons of ore was shipped to smelter; gold, silver, some copper, and a little lead were recovered. Precious metal content of channel samples taken from mine ranged from 0.12 to 2.08 oz gold and from 0.05 to 0.40 oz silver per ton; data on copper and lead content not available. [MacKevett, 1963 (B 1154); Berg and Cobb, 1967 (B 1246)] Includes reference to activity in 1936 at a gold prospect near McLean Arm.

References

Smith, 1938 (B 897-A), p. 18-19
Smith, 1939 (B 917-A), p. 21
Smith, 1941 (B 926-A), p. 19-20
MacKevett, 1963 (B 1154), p. 60, 95, 99-100
Berg and Cobb, 1967 (B 1246), p. 175
Bufvers, 1967 (SR 1), p. 31
Eakins, 1970 (GR 41), p. 9
Cobb, 1972 (MF-437), loc. 2 [locs. 1 and 2 transposed in table]

(Percy Is.) Iron

Ketchikan district Prince Rupert (4.15, 16.55-16.9)
OF 78-73B, locs. 156, 157 54°57'-54°58'N, 131°35'W

Summary: Olivine pyroxenite with border zone of titaniferous magnetite-bearing hornblende pyroxenite, which is surrounded by gabbro. Has been drilling by private interests. [Taylor and Noble, 1960; Elliott and others, 1978 (OF 78-73B).] Includes references to: Cow, Percy.

References

Taylor and Noble, 1960, p. 181
Berg and Cobb, 1967 (B 1246), p. 183
Cobb, 1972 (MF-437), loc. 3
Berg and others, 1978 (OF 78-73M), p. 24-25
Elliott and others, 1978 (OF 78-73B), locs. 156, 157

(Sicklan I.) Mica

Hyder district
OF 78-73B, loc. 182

Prince Rupert (13.45, 13.5)
54°46'N, 130°41'W

Summary: Two massive pegmatite bodies in rocks of Mesozoic or Paleozoic age contain mica plates as much as 20 cm across; bent and broken books predominate over undeformed mica. Explored by several trenches and pits. [Elliott and others, 1978 (OF 78-73B)] Includes references to Hyder Mica.

References

Sainsbury, 1957 (B 1024-G), p. 141, 143, 154-161
Skow, 1962 (IC 8125), p. 44
Elliott and others, 1978 (OF 78-73B), loc. 182

(Sitklan Passage) Mica

Hyder district Prince Rupert (13.2, 13.6)
OF 78-73B, loc. 180 54°46'N, 130°42'W

Summary: Pegmatite less than 1 m thick in Mesozoic or Paleozoic paragneiss contains silvery mica in thin books as much as 4-5 cm in diameter. Deposit small and mica of poor quality. [Elliott and others, 1978 (OF 78-73B)] Includes references to Last Chance.

References

Sainsbury, 1957 (B 1024-G), p. 141, 143, 154-156, 159-161
Skow, 1962 (IC 8125), p. 44
Elliott and others, 1978 (OF 78-73B), loc. 180

Synonyms, Claim Names, Owners, and Operators

Adanac — see Victoria
Alaska (Gold Standard Mining Co.) — see Gold Standard
Alaska Gold Mountain Mines — see (Smugglers Cove)
Alaska Venture Syndicate — see Old Glory
American Eagle — see Old Glory
American Mining & Milling Co. — see Fish Creek
Annex — see Gold Mountain
Annie — see Gold Mountain
Apex — see Concord
Asch's — see Mahoney
Ash — see Mahoney
Bear — see Lucky Boy Extension
Beaver — see Tyee (Thorne Arm)
Bell — see Goldstream
Big Four Mining Co. — see Mahoney
Big Three — see Plutyas
Blackhand — see (Caamano Point)
Black Jack — see (Moth Bay)
Blue Jay — see Concord
Bonanza King — see (Moth Bay)
Bonney — see Fish Creek
British American Holding & Development Co. — see Fish Creek
Bugge — see (Smugglers Cove)
(Chickamin R.) — see Gnat
Coughlan — see Lucky Boy Extension
(Dall Head) — see (Seal Cove)
Dalton — see Goldstream
Davis & Elvigion — see Sixmile
Dunton & Selin — see Gold Standard
Dyer & Johnson — see Gold Standard
Egtvet & Bufvers — see Gold Standard
Elliott — see Gold Standard
Erhart — see Carita
Evis Mining Co. — see Goo Goo, Sealevel
Family Lode — see Baby George
Fannie — see Gold Mountain
Fehring — see Last Shot
Folwarzny — see Gold Standard
Freeburn — see Gold Standard
Freeburn and associates — see (Moth Bay)
Freeburn Development Co. — see (Moth Bay)
Free Gold — see Gold Standard
Gertrude — see Gold Mountain
Glacier — see Alamo
Glory — see Old Glory
Gold Dollar — see Gold Mountain

Golden Dream -- see Goo Goo
Golden Link -- see Baby George
Golden Rule -- see Goo Goo
Golden Tree -- see Golden Banner
Gold Helm Mining Co. -- see Gold Standard
Gold Standard Mining Co. -- see (Moth Bay)
Gonheath -- see Fish Creek
Griswold, McGuire & Dodge -- see (Moth Bay)
Heather -- see Fish Creek
Helen -- see Howard
Helm Bay Mining Co. -- see Gold Standard
Highland -- see Fish Creek
Home Land Co. -- see Laskawonda
Hot Air -- see (Caamano Point)
Hov(e)land -- see Mountain View
Irving Consolidated Mining Co. -- see Goldstream
Jewel (Helm Bay) -- see Gold Mountain
Johnson & Dyer -- see Gold Stamdard
Johnson & Pond -- see Londevan
Jumbo -- see Jewel (Gravina I.)
Ketchikan Gold Co. -- see Massachusetts
King -- see Gold Standard
Klemm -- see (Caamano Point)
Lane -- see Goldstream
Lon de Van Mining & Milling Co. -- see Londevan
Lone Jack -- see (Moth Bay)
Low -- see Bishop
Luck Bay -- see Lucky Boy Extension
(Mahoney Cr.) -- see Mahoney
Majestic -- see Goo Goo
Mammoth -- see Victoria
Martin-Bugge -- see (Smugglers Cove)
Miller (& Phillips) -- see Goldstream
Moa and associates -- see Mountain View
Monster -- see High Horse
Montana -- see Fish Creek
Montana Lead & Zinc, Inc. -- see Mahoney
Morning -- see Mountain View
Mother Lode -- see Goo Goo
Mountain -- see Goo Goo
Mountain Top -- see Gold Mountain
Mountainview Gold Mining Co. -- see Mountain View
Murphy & Stevenson -- see Fish Creek
Nevada -- see Fish Creek
Nuckolls (& Dickenson) -- see Gold Standard
Nuckolls & Nygard -- see Goo Goo
O'Brien -- see Damon
Old Man -- see Concord

Olympia -- see Fish Creek
Patterson & Co. -- see Big Joe, Hobo, War Eagle
Perkins -- see Mahoney
Phityas -- see Plutyas
Portal -- see Londevan
Reliance -- see (Roe Point)
Riverside -- see Riverside, Bradfield Canal quad. [Productive part of property is in Bradfield Canal quad.; no references are applicable only to part in Ketchikan quad.]
Rossland & Deer Park Mining Co. -- see Dall
Russel -- see Salve
Sanford & Lhote -- see Algonquin, Sanford
Schoenbar -- see Laskawonda
Sea Level Development Co. -- see Sea Breeze, Sealevel
Silver Falls -- see Mountain View
Skookum -- see Mountain View
Smith -- see Laskawonda
Southern -- see Fish Creek
Starboard -- see Fish Creek
Starlight -- see Carita
Starry Banner -- see Gold Mountain
Sulphide -- see (Moth Bay)
Sumrise -- see Concord
Surprise -- see Peterson
Telegraph -- see Londevan
Thorne Arm -- see Salve
(Thorne Arm) -- see Sealevel
Thorne Arm Consolidated -- see Sealevel
Tide Water -- see Wild West
Tiernan & Lhote -- see Anthony, Deer Lodge, Lizzie L.
Tillicum Mining Co. -- see (Caamano Point)
Tilly -- see Gold Standard
Trio -- see Doe
Tyee (Annette I.) -- see (Crab Bay)
U.S. Borax & Chemical Co. -- see Quartz Hill
Utah -- see Fish Creek
Victor Copper Mining Co. -- see Bay View (Seal Cove), War Eagle
Victory (Copper) Mining Co. -- see Bay View (Seal Cove), Damon, Doe, Plutyas, Victory, War Eagle
Watson & Bain -- see Mountain View
Weir -- see Fish Creek
West Bay View -- see Bay View (Helm Bay)
(Wilson Arm) -- see Quartz Hill
Wilson, Folwarczny, Helm & Johnson -- see Gold Standard
Winnie -- see Goldstream
Youzinka -- see (Moth Bay)

Synonyms, Claim Names, Owners, and Operators

Anaconda Copper Co. -- see Nelson & Tift
B.C. Mica Mines, Ltd. -- see (Sitklan I.), (Sitklan Passage)
Blasher, Ater, Pearson & O'Leary -- see (Sitklan I.), (Sitklan Passage)
Cow -- see (Percy Is.)
Garnet -- see (Kanagunut I.)
Hyder Mica (No. 1) -- see (Sitklan I.)
Last Chance -- see (Sitklan Passage)
Percy -- see (Percy Is.)

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