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 McCARTHY QUADRANGLE, 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 and a very few journal articles are designed to aid in library research on the mineral resources of the McCarthy quadrangle, 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 claims about which little more than their locations is known (for example, localities 126-130 in MacKevett and Holloway, 1977 (OF 77-169A). 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 deposits that might be present. Geochemical anomalies determined by analyses of rock and stream-sediment samples in which no metallic mineral was indentified 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; a second section that lists 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 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-scale topographic quadrangle (McCarthy);

coordinates (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. Most of the occurrences in this report are shown and described in MacKevett, 1976 (MF-773B). 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 cited 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. All placer mines and prospects are considered under the name of the stream on which they are located. If a deposit has no proper name and is not near a named geographic fearure, it is titled "Unnamed prospect" or "Unnamed occurrence" and appears at the end of the list. 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.

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

AOF	Alaska Division of Geological and Geophysical Surveys Open-file Report
B	U.S. Geological Survey Bulletin
BMB	U.S. Bureau of Mines Bulletin
C	U.S. Geological Survey Circular
GC	Alaska Division of Geological and Geophysical Surveys (and predecessor State agencies) Geochemical 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 are used only within the Branch of Alaskan Geology of the U.S. Geological Survey)
MF	U.S. Geological Survey Miscellaneous Field Studies Map
P	U.S. Geological Survey Professional Paper
TDM	Alaska Territorial Department of Mines Pamphlet
USBM OF	U.S. Bureau of Mines Open-file Report

ALASKA
ARCTIC OCEAN
BERING SEA
GULF OF ALASKA
PACIFIC OCEAN

Index Map

(Amy Cr.) Copper

Chistochina district
MF-773B, loc. 163

McCarthy (1.25-1.35, 12.3-12.45)
61°42'-61°43'N, 143°50'-143°51'W

Summary: Several old prospects on pyrite-bearing veins and altered zones in Permian sedimentary rocks and gabbro; local secondary copper minerals. Semiquantitative spectrographic analyses of selected samples indicated as much as 1.5 ppm Ag and 2,000 ppm Cu. [MacKevett, 1976 (MF-773B)] Includes references to (Ames Cr.).

References

Moffit and Maddren, 1908 (B 345), p. 137-138
Moffit, 1909 (B 379), p. 156
Moffit and Maddren, 1909 (B 374), p. 55
Moffit and Mertie, 1923 (B 745), p. 104
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett, 1976 (MF-773B), loc. 163
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 99
MacKevett and others, 1978 (GQ-1418), loc. 10

(Barnard Glacier) Iron

Nizina district McCarthy (19.1, 2.7)
MF-773B, loc. 28 61°08'N, 141°45'W

Summary: Magnetite-rich skarn in Permian marble near contact with upper Paleozoic monzonite. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 8

Bear Paw	Copper(?)
Nizina district	McCarthy (12.5, 6.85) approx. 61°23'N, 142°31'W approx.

Summary: Claim held by Alaska United Copper Exploration Co. [Miller, 1946 (B 947-F)] No other data on prospect.

References

Miller, 1946 (B 947-F), p. 120
Berg and Cobb, 1967 (B 1246), p. 62

(Beaver Cr.) Copper, Gold

Chisana district McCarthy (24.0-24.5, 17.5-17.8)
MF-773B, locs. 186, 188 61°58'-61°59'N, 141°02'-141°05'W

Summary: Gold placer at MF-773B, loc. 186, discovered in 1902, but not mined. At MF-773B, loc. 188, pyrite and chalcopyrite occur as disseminations and veinlets in granodiorite of the Cretaceous Klein Creek pluton and in hornfels pendents that are mainly near a shear zone. [Knaebel, 1970 (GC 21); MacKevett, 1976 (MF-773B)] See also Wiley.

References

Knaebel, 1970 (GC 21), p. 13, 16, 51
MacKevett, 1976 (MF-773B), locs. 186, 188
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, locs. 122, 124

(Berg Cr.) Copper, Gold, Iron, Silver

Chistochina district McCarthy (1.7-1.75, 9.6-9.65)
MF-773B, locs. 107, 108 61°33'N, 143°47'-143°48'W

Summary: Upper workings (MF-773B, loc. 107) are on contact-metamorphic and vein deposits in metamorphosed Triassic Nizina Ls. adjacent to granodiorite-quartz diorite pluton; deposits contain magnetite, pyrite, and chalcopyrite. Lower workings (MF-773B, loc. 108) are on quartz veins and skarn in metamorphosed Triassic Chitistone Ls. near contact with granodiorite and quartz diorite; the quartz veins contain pyrite and chalcopyrite and are gold and silver bearing. Grab sample of a vein contained 8 ppm Au, 10 ppm Ag, 1,000 ppm Cu, and 20 ppm Mo. The skarn consists of magnetite and epidote with irregularly distributed pyrite and chalcopyrite; a grab sample of it contained 0.6 ppm Au, 1.5 ppm Ag, 20,000 ppm Cu, and 500 ppm Co. Explored by 2 adits; small token production of gold and silver. [MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)] Includes references to: Berg, Midas, North Midas (Copper Co.).

References

Moffit, 1913 (B 542), p. 83
Brooks, 1914 (B 592), p. 61
Moffit, 1915 (B 622), p. 114
Brooks, 1916 (B 642), p. 54
Smith, 1917 (BMB 153), p. 33
Moffit, 1918 (B 662), p. 160
Martin, 1920 (B 712), p. 15, 31-32
Brooks, 1921 (B 714), p. 30
Moffit, 1921 (B 714), p. 191-192
Brooks, 1922 (B 722), p. 38
Moffit and Mertie, 1923 (B 745), p. 140-146
Brooks and Capps, 1924 (B 755), p. 26
Moffit, 1924 (B 755), p. 65, 68-71
Brooks, 1925 (B 773), p. 15, 37
Smith, 1926 (B 783), p. 7-8
Moffit, 1938 (B 894), p. 117, 122-123, 126-127, 129
Van Alstine and Black, 1946 (B 947-G), p. 140-141
Berg and Cobb, 1967 (B 1246), p. 41-42
MacKevett and Cobb, 1972 (MF-395), loc. 27
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1976 (MF-773B), locs. 107, 108
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, locs. 60, 61
MacKevett and others, 1977 (C 739), p. 4
MacKevett and others, 1978 (GQ-1418), loc. 36

Big Horn — Copper

Chistochina district — McCarthy (3.3, 11.55)
MF-773B, loc. 157 — 61°39'N, 143°36'W

Summary: Bornite-, chalcocite-, and malachite-bearing veins and pods in intensely faulted Triassic Nikolai Greenstone. Explored by several adits and numerous surficial workings. [MacKevett, 1976 (MF-773B)] Includes references to: Alaska United Copper Exploration Co. near Kuskulana Glacier, Finch.

References

Moffit, 1915 (B 622), p. 113-114
Moffit, 1918 (B 662), p. 158-159
Moffit and Mertie, 1923 (B 745), p. 90-91, 133-135
Van Alstine and Black, 1946 (B 947-G), p. 137-138
Berg and Cobb, 1967 (B 1246), p. 43
MacKevett and Cobb, 1972 (MF-395), loc. 21
MacKevett, 1976 (MF-773B), loc. 157
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 95

Blue Star — Copper

Nizina district — McCarthy (18.2, 2.5)
MF-773B, loc. 29 — 61°07'N, 141°51'W

Summary: Disseminated pyrite in schist of upper Paleozoic Skolai Gp.; minor copper staining.

Reference

MacKevett, 1976 (MF-773B), loc. 29

Bremner Mining Co. — Gold, Lead

Nizina district — McCarthy (4.9-4.95, 0.9-1.05)
MF-773B, locs. 23, 24 — 61°03'N, 143°25'W

Summary: 2 mines; total of more than 700 m of underground workings, but only small production. Gold, pyrite, and galena in quartz veins as much as 1 m thick and in gouge and comminuted vein quartz along a felsic dike. Veins and dike cut metasedimentary rocks of Mesozoic Valdez Gp. [McKevett, 1976 (MF-773B); Moffit, 1938 (B 894)] Includes references to: Golconda, Grand Prize, Lucky Girl, Mammoth, Ramer Bros., Ramos Bros., and general references to lode gold deposits near head of Golconda Cr.

References

Moffit, 1912 (B 520), p. 98-99
Moffit, 1914 (B 576), p. 49-50
Smith, 1933 (B 844-A), p. 22
Smith, 1934 (B 857-A), p. 21
Smith, 1934 (B 864-A), p. 24
Smith, 1936 (B 868-A), p. 24
Moffit, 1937 (B 880-B), p. 99-101
Smith, 1937 (B 880-A), p. 28
Moffit, 1938 (B 894), p. 128
Smith, 1938 (B 897-A), p. 35
Smith, 1939 (B 910-A), p. 31-32
Berg and Cobb, 1967 (B 1246), p. 63
MacKevett and Cobb, 1972 (MF-395), loc. 31
Cobb, 1973 (B 1374), p. 31-32
MacKevett, 1976 (MF-773B), locs. 23, 24
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 7
MacKevett and others, 1977 (C 739), p. 4

(Calamity Gulch) Gold

Nizina district McCarthy (12.45-12.7, 4.1-4.5)
MF-773B, loc. 37 61°14'-61°15'N, 142°30'-142°32'W

Summary: Was some not particularly successful placer mining before 1909. [Moffit and Capps, 1911 (B 448)] See also (Young Cr.).

References

Moffit and Capps, 1911 (B 448), p. 108
MacKevett and Cobb, 1972 (MF-395), loc. 91
MacKevett, 1976 (MF-773B), loc. 37
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 11

Calcite

Copper

Chistochina district
MF-773B, loc. 106

McCarthy (2.35, 9.7)
61°33;'N, 143°43'W

Summary: In brecciated fault zone in Triassic Chitistone Ls. near contact with Jurassic granodiorite; fault zone contains abundant serpentine minerals and sparsely distributed pyrite, chalcopyrite, and secondary copper minerals. Explored by short adit. [MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)] Includes references to (MacDougall Cr.). See also War Eagle.

References

Moffit, 1921 (B 714), p. 192
Moffit and Mertie, 1923 (B 745), p. 137-139
Moffit, 1924 (B 755), p. 65-66
Van Alstine and Black, 1946 (B 947-G), p. 140
Berg and Cobb, 1967 (B 1246), p. 42
MacKevett and Cobb, 1972 (MF-395), loc. 25
MacKevett, 1976 (MF-773B), loc. 106
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 59
MacKevett and others, 1978 (GQ-1418), loc. 37

(Canyon Cr.) Gold, Molybdenum

Nizina district McCarthy (15.0-17.05, 2.5-5.75)
MF-773B, locs. 33, 35, 44 61°08'-61°19'N, 141°58'-142°13'W

Summary: Placer gold was mined at 61°08'N, 142°13'W (15.0, 2.5) [MF-773B, loc. 33]. Float boulders of Tertiary granodiorite containing molybdenite-bearing quartz veins are common on moraines of Canyon Creek Glacier at 61°16'N, 142°08'W (15.75, 5.0) [MF-773B, loc. 35]. Molybdenite in quartz vein as much as 8 ft. thick; greatest concentration of molybdenite in 1-ft. width near one of walls; at about 61°19'N, 141°58'W (17.05, 5.75) [MF-773B, loc. 44]. [MacKevett, 1976 (MF-773B)]; Smith, 1942 (B 926-C)]

References

Brooks, 1916 (B 642), p. 54
Moffit, 1916 (B 642), p. 135
Brooks, 1918 (B 662), p. 25
Moffit, 1918 (B 675), p. 79
Brooks, 1919 (B 666), p. 98
Brooks, 1921 (B 714), p. 41
Joesting, 1941 (TDM 1), p. 30
Smith, 1942 (B 926-C), p. 182-183
Berg and Cobb, 1967 (B 1246), p. 64
MacKevett and Cobb, 1972 (MF-395), locs. 77, 96
Cobb, 1973 (B 1374), p. 30
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1976 (MF-773B), locs. 33, 35, 44
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, locs. 9, 13

(Chititu Cr.) Antimony, Copper, Gold, Lead, Silver

Nizina district McCarthy (11.4-11.95, 5.25-5.65)
MF-773B, loc. 39 61°17'-61°19'N, 142°35'-142°39'W

Summary: Creek and tributaries (Rex and White Creeks and Bligh and Jolly Gulches) source of more than half of the estimated 143,500 oz. of placer gold produced from the district. Mining began in 1901; has been some recently. Gold in both bench (glacial material) and stream placers; richest stream placers contain gold reconcentrated from benches. Concentrates contain gold, native copper, native silver, galena, stibnite, and native lead (most if not all derived from lead shot). Basin mainly underlain by Cretaceous marine sedimentary rocks intruded by a few small bodies of Tertiary granodiorite. [MacKevett, 1976 (MF-773B); Moffit and Capps, 1911 (B 448); MacKevett, 1978 (I-1032)] See also: (Rex Cr.), (White Cr.).

References

Mendenhall and Schrader, 1903 (P 15), p. 60, 63
Mendenhall, 1905 (P 41), p. 118-119
Purington, 1905 (B 263), p. 207
Moffit and Maddren, 1908 (B 345), p. 172-173
Moffit, 1909 (B 379), p. 156
Moffit and Maddren, 1909 (B 374), p. 45, 95-97
Moffit, 1910 (B 442), p. 158, 162-163
Moffit and Capps, 1911 (B 448), p. 76, 80, 98-100, 103-107
Moffit, 1912 (B 520), p. 107
Moffit, 1913 (B 542), p. 84-85
Brooks, 1914 (B 592), p. 61-62
Moffit, 1915 (B 622), p. 104, 115-117
Brooks, 1916 (B 649), p. 62-63
Smith, 1917 (BMB 153), p. 33
Brooks, 1918 (B 662), p. 43
Moffit, 1921 (B 714), p. 196
Brooks, 1922 (B 722), p. 39
Brooks and Capps, 1924 (B 755), p. 27-28
Moffit, 1924 (B 755), p. 69-71
Smith, 1926 (B 783), p. 12
Moffit, 1927 (B 792), p. 15, 29
Smith, 1929 (B 797), p. 16-17
Smith, 1930 (B 810), p. 21
Smith, 1930 (B 813), p. 24
Smith, 1932 (B 824), p. 28
Smith, 1933 (B 836), p. 27
Smith, 1933 (B 844-A), p. 28
Smith, 1934 (B 857-A), p. 26

(Chititu Cr.) -- cont.

Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 31
Moffit, 1937 (B 880-B), p. 98
Smith, 1937 (B 880-A), p. 34
Moffit, 1938 (B 894), p. 125-126, 128-131
Smith, 1938 (B 897-A), p. 40-41
Smith, 1939 (B 910-A), p. 38
Miller, 1946 (B 947-F), p. 98
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 53
Koschmann and Bergendahl, 1968 (P 610), p. 14
MacKevett and Smith, 1968 (C 604), p. 3
MacKevett and Cobb, 1972 (MF-395), loc. 90
Cobb, 1973 (B 1374), p. 30
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1976 (MF-773B), loc. 39
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 12
MacKevett and others, 1977 (C 739), p. 4-5
Singer and MacKevett, 1977 (MF-773C)

(Chokosna R.) Copper(?)

Chistochina district McCarthy (2.1, 9.0) (?)
61°31'N, 143°38'W (?)

Summary: Two groups of claims owned by Mount Wrangell Copper Co. [Moffit, 1921 (B 714)] See also Kinney-Golden.

References

Moffit, 1910 (B 442), p. 161
Moffit, 1921 (B 714), p. 193

(Clear Cr.) Copper, Gold, Lead, Silver

Chistochina district McCarthy (1.25-1.45, 10.7-11.2)
MF-773B, locs. 133, 136-138 61°37'-61°38'N, 143°50'-143°51'W

Summary: Explored by Great Northern Development Co. before 1917; 3 adits with a total length of 5,600 ft.; several shorter adits also. Deposits veins as much as 2 m wide along faults in Triassic Nikolai Greenstone and Jurassic granodiorite. Pyrite and chalcopyrite in veins and as disseminations in greenstone and granodiorite. Small amounts of bornite, chalcocite, covellite, malachite, and azurite and a few grains of galena also present. Chip sample across a vein contained 0.5 ppm Au and 5 ppm Ag. [MacKevett, 1976 (MF-773B); Van Alstine and Black, 1946 (B 947-G); Berg and Cobb, 1967 (B 1246)] Includes references to: Copper Mountain, Great Northern Development Co. See also (Porcupine Cr.).

References

Schrader and Spencer, 1901, p. 84
Mendenhall and Schrader, 1903 (P 15), p. 18
Moffit, 1909 (B 379), p. 156
Moffit, 1910 (B 442), p. 161
Moffit, 1912 (B 520), p. 106
Moffit, 1913 (B 542), p. 82-83
Brooks, 1914 (B 592), p. 61
Moffit, 1915 (B 622), p. 113
Brooks, 1916 (B 642), p. 54
Smith, 1917 (BMB 142), p. 37, 52
Smith, 1917 (BMB 153), p. 30
Moffit, 1918 (B 662), p. 157-158
Martin, 1920 (B 712), p. 29-30
Moffit and Mertie, 1923 (B 745), p. 94, 126-128
Moffit, 1924 (B 755), p. 66
Moffit, 1938 (B 894), p. 123
Van Alstine and Black, 1946 (B 947-G), p. 132-136
Berg and Cobb, 1967 (B 1246), p. 41-42
MacKevett and Cobb, 1972 (MF-395), locs. 17, 18 [loc. 17 misidentified in table]
MacKevett, 1976 (MF-773B), locs. 133, 136-138
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, locs. 81, 83, 84
MacKevett and others, 1978 (GQ-1418), locs. 20-22, 25

(Contact Gulch) Copper

Nizina district McCarthy (14.2, 8.85)
MF-773B, loc. 82 61°30'N, 142°19'W

Summary: Old surficial prospects in Triassic Nikolai Greenstone. Explored scattered bornite-bearing veinlets and malachite surface coatings. [MacKevett, 1976 (MF-773B)]

References

Moffit and Maddren, 1908 (B 345), p. 167
Moffit and Maddren, 1909 (B 374), p. 90
Miller, 1946 (B 947-F), p. 120
Berg and Cobb, 1967 (B 1246), p. 60
MacKevett and Cobb, 1972 (MF-395), loc. 54 [Error; location shown is for Houghton Alaska Exploration Co. (Chitistone R.)]
MacKevett, 1976 (MF-773B), loc. 82
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 45

(Copper Cr.) Copper, Gold

Nizina district McCarthy (12.85-13.55, 5.8-6.5)
MF-773B, loc. 49 61°19'-61°22'N, 142°24'-142°28'W

Summary: Valley roughly follows fault contact between Triassic limestones and greenstone to north and younger Mesozoic sedimentary rocks cut by Tertiary hypabyssal rocks to south. Gold evidently all derived from south; only tributary gulches from south and main stream carry gold. Copper undoubtedly derived from Nikolai Greenstone to north. Only stream placers; no bench deposits. [MacKevett and Smith, 1972 (GQ-943); Moffit and Capps, 1911 (B 448); MacKevett, 1976 (MF-773B)] Much of production undoubtedly reported with that from Dan Cr., into which Copper Cr. flows. Includes references to: (Idaho Gulch), (Rader Gulch), (Seattle Gulch). See also (Dan Cr.).

References

Moffit, 1910 (B 442), p. 162
Moffit and Capps, 1911 (B 448), p. 100-101
Moffit, 1912 (B 520), p. 107
Moffit, 1913 (B 542), p. 84
Moffit, 1915 (B 622), p. 115-116
MacKevett, 1970 (B 1333), p. 29-30
MacKevett and Cobb, 1972 (MF-395), loc. 89
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 49
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 18

Copper King (White R.) Copper

Chisana district McCarthy (16.5, 13.6)
MF-773B, loc. 172 61°46'N, 142°01'W

Summary: Native copper in a 6-ft.-thick zone of amygdaloidal basalt of the Triassic Nikolai Greenstone in and near amygdules. Some of copper intergrown with prehnite, calcite, and zeolites. Explored by 2 open cuts and 2 short adits. [MacKevett, 1976 (MF-773B); Moffit and Knopf, 1910 (B 417); Knaebel, 1970 (GC 21)]

References

Moffit and Knopf, 1909 (B 379), p. 174
Moffit and Knopf, 1910 (B 417), p. 55-56
Brooks, 1911 (B 480), p. 86-87
Capps, 1916 (B 630), p. 121-122
Berg and Cobb, 1967 (B 1246), p. 209
Knaebel, 1970 (GC 21), p. 16
MacKevett and Cobb, 1972 (MF-395), loc. 81
MacKevett, 1976 (MF-773B), loc. 172
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 108

Copper Queen	Copper, Iron
Chistochina district MF-773B, loc. 131	McCarthy (2.05, 9.8) 61°34'N, 143°45'W

Summary: A contact-metamorphic deposit in faulted and metamorphosed Triassic Chitistone Ls. adjacent to Jurassic granodiorite; contains magnetite, pyrrhotite, pyrite, and minor chalcopyrite. Explored by a 360-m-long adit. [MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)] Includes references to Rarus.

References

Moffit, 1913 (B 542), p. 83
Brooks, 1915 (B 622), p. 44
Moffit, 1915 (B 622), p. 113
Moffit, 1918 (B 662), p. 160
Moffit, 1921 (B 714), p. 193
Moffit and Mertie, 1923 (B 745), p. 71, 95, 129, 139
Van Alstine and Black, 1946 (B 947-G), p. 139
MacKevett and Cobb, 1972 (MF-395), loc. 26
MacKevett, 1976 (MF-773B), loc. 131
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 80
MacKevett and others, 1978 (GQ-1418), loc. 31

(Crumb Gulch) — Antimony, Copper, Gold

Nizina district — McCarthy (12.55, 6.2-6.3)
MF-773B, loc. 56 — 61°21'N, 142°31'W

Summary: Veins as much as 30 cm thick in shear zone cutting Cretaceous hornfels near Tertiary granodiorite. Veins contain gold, stibnite, realgar, and pyrite. Explored by 2 short adits. Other mineralized shear zones in vicinity, some in granodiorite. A few veins in granodiorite contain masses of sibnite more than a meter long and as much as 12 cm wide. Chalcopyrite is a minor to trace constituent of some veins. One geochemical sample contained 10,000 ppm W, but no tungsten mineral was noted; another sample contained 15 ppm Ag. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)] Includes references to (Williams Peak.

References

Moffit, 1937 (B 880-B), p. 98
Smith, 1937 (B 880-A), p. 87
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 63-64
MacKevett and Smith, 1968 (C 604), p. 2-3, 6-9, 14 (samples 13-19)
MacKevett and Cobb, 1972 (MF-395), loc. 66
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 56
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 23
MacKevett and others, 1977 (C 739), p. 4-5

(Dan Cr.) Copper, Gold, Silver

Nizina district McCarthy (12.2-12.95, 6.6-6.7)
MF-773B, loc. 57 61°22'N, 142°28'-142°33'W

Summary: Placers of Dan Cr. and its tributary Copper Cr. accounted for slightly less than half of the Nizina district placer-gold production of about 143,500 oz. (as of 1959); has been small-scale recent activity. Rocks north of creek and in upper part of its course are Triassic limestones and Nikolai Greenstone (source of placer copper); to south and in lower part of stream course are younger Mesozoic sedimentary rocks cut by small bodies of Tertiary granodiorite and hypabyssal rocks. Both bench and stream placers; much of gold in stream placers reworked from bench deposits. Native silver, native copper, and nuggets containing both common; one copper nugget found in 1939 reported to have weighed about 3 tons. About 40 tons of copper concentrates recovered as byproduct of gold mining was sold. [MacKevett, 1978 (I-1032); MacKevett, 1976 (MF-773B); Moffit, 1938 (B 894); Miller, 1946 (B 947-F)] See also (Copper Cr.).

References

Mendenhall and Schrader, 1903 (P 15), p. 59-61
Purington, 1905 (B 259), p. 44-46
Purington, 1905 (B 263), p. 37, 39, 207
Brooks, 1908 (B 345), p. 37
Moffit and Maddren, 1908 (B 345), p. 168-169
Moffit, 1909 (B 379), p. 156
Moffit and Maddren, 1909 (B 374), p. 45, 91-92, 97-99
Moffit, 1910 (B 442), p. 158, 162-163
Moffit and Capps, 1911 (B 448), p. 76, 80, 98-103
Moffit, 1912 (B 520), p. 107
Moffit, 1913 (B 542), p. 84
Brooks, 1914 (B 592), p. 61
Moffit, 1915 (B 622), p. 105, 115-116
Smith, 1917 (BMB 153), p. 33
Brooks, 1921 (B 714), p. 196
Brooks, 1922 (B 722), p. 39
Brooks and Capps, 1924 (B 755), p. 27
Moffit, 1924 (B 755), p. 69-71
Smith, 1926 (B 783), p. 12
Moffit, 1927 (B 792), p. 15, 29
Smith, 1929 (B 797), p. 16-17
Smith, 1930 (B 810), p. 21
Smith, 1930 (B 813), p. 24
Smith, 1932 (B 824), p. 28
Smith, 1933 (B 836), p. 27

(Dan Cr.) -- cont.

Smith, 1933 (B 844-A), p. 28
Smith, 1934 (B 857-A), p. 26
Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 31
Moffit, 1937 (B 880-B), p. 98
Smith, 1937 (B 880-A), p. 34
Moffit, 1938 (B 894), p. 125-126, 128-131
Smith, 1938 (B 897-A), p. 40
Smith, 1939 (B 910-A), p. 38-39
Smith, 1939 (B 917-A), p. 37
Smith, 1941 (B 926-A), p. 34
Smith, 1942 (B 933-A), p. 33
Miller, 1946 (B 947-F), p. 98, 119-120
Moxham and Nelson, 1952 (C 184), p. 3
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 53
Koschmann and Bergendahl, 1968 (P 610), p. 14
MacKevett and Smith, 1968 (C 604), p. 3
MacKevett, 1970 (B 1333), p. 29-30
MacKevett and Cobb, 1972 (MF-395), loc. 88
Cobb, 1973 (B 1374), p. 30
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 57
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 24
MacKevett and others, 1977 (C 739), p. 4-5
Singer and MacKevett, 1977 (MF-773C)

Donohoe	Copper
Nizina district	McCarthy (10.35, 8.7) (?) 61°29'N, 142°46'W

Summary: Disseminated sulfides in greenstone east of McCarthy Cr. [Moffit and Capps, 1911 (B 448)] See also Green Butte.

Reference

Moffit and Capps, 1911 (B 448), p. 97

(Donoho Peak) Copper

Nizina district McCarthy (8.55, 9.85)
MF-773B, loc. 115 61°34'N, 142°59'W

Summary: Short adit near contact between Triassic Nikolai Greenstone and Chitistone Ls. Sparsely distributed secondary copper minerals and chalcocite along fault. Apparent post-1950 activity. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1972 (GQ-979)
MacKevett and Cobb, 1972 (MF-395), loc. 38
MacKevett, 1976 (MF-773B), loc. 115
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 69

Erickson (& Madden)

Copper, Silver

Nizina district
MF-773B, loc. 62

McCarthy (14.75, 7.3)
61°24'N, 142°15'W

Summary: Native copper, tenorite, cuprite, and minor amounts of other minerals form irregular masses in rubbly upper parts of flows and, to lesser extents, occur in amygdules and quartz-epidote veins. Country rock Triassic Nikolai Greenstone. Minor production in 1917. About 100 m of underground workings. Samples contained as much as 70 ppm Ag. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)] Includes references to Chiti.

References

Moffit and Maddren, 1908 (B 345), p. 167-168.
Moffit and Maddren, 1909 (B 374), p. 90-91
Miller, 1946 (B 947-F), p. 98, 117-118
Berg and Cobb, 1967 (B 1246), p. 53, 60
MacKevett and Smith, 1968 (C 604), p. 2, 6, 12-13, 16 (samples 141-146)
MacKevett, 1970 (B 1333), p. 29
MacKevett and Cobb, 1972 (MF-395), loc. 59
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 62
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 28

(Fall Cr.) Copper

Chistochina district McCarthy (0.5-1.0, 13.9-14.1)
MF-773B, locs. 181, 182 61°47'-61°48'N, 143°53'-142°57'W

Summary: Prospects on several old claims on Triassic Nikolai Greenstone; explored by short adits and open cuts. Mainly amygdaloidal deposits that contain native copper, chalcocite, cuprite, and tenorite; minor chalcocite, bornite, and secondary copper minerals in thin veins. [MacKevett, 1976 (MF-773B)]

References

Mendenhall and Schrader, 1903 (P 15), p. 21
Mendenhall, 1905 (P 41), p. 97
Moffit and Maddren, 1908 (B 345), p. 142-143
Moffit and Maddren, 1909 (B 374), p. 60-61
Moffit, 1910 (B 442), p. 161
Moffit, 1915 (B 622), p. 109
Moffit and Mertie, 1923 (B 745), p. 113-114
MacKevett and Cobb, 1972 (MF-395), locs. 1, 2
MacKevett, 1976 (MF-773B), locs. 181, 182
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, locs. 116, 117

(Golconda Cr.) Gold

Nizina district McCarthy (4.5-4.75, 0.0-0.3)
MF-773B, loc. 8 61°00'-61°01'N, 143°26'-143°28'W

Summary: Placer gold discovered in 1901; probably 2,000 to 3,000 oz. mined from shallow creek gravels during next 10-15 years. Gold derived from nearby lodes, some of which have been mined; some of gold reconcentrated from bench gravels. Area underlain by metasedimentary rocks of Mesozoic Valdez Gp. cut be light-colored porphyritic dikes and quartz veins. [MacKevett, 1976 (MF-773B); Moffit, 1914 (B 576)]

References

Mendenhall and Schrader, 1903 (P 15), p. 62
Mendenhall, 1905 (P 41), p. 120
Moffit, 1912 (B 520), p. 94-98
Moffit, 1914 (B 576), p. 43-47
Smith, 1933 (B 844-A), p. 28
Smith, 1934 (B 857-A), p. 26
Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 31
Moffit, 1937 (B 880-B), p. 99
Smith, 1937 (B 880-A), p. 34-35
Moffit, 1938 (B 894), p. 126, 128
MacKevett and Cobb, 1972 (MF-395), loc. 87
Cobb, 1973 (B 1374), p. 30-32
Henning and Dobey, 1973 (AOF 25), p. 10, 12
MacKevett, 1976 (MF-773B), loc. 8
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 5
MacKevett and others, 1977 (C 739), p. 4-5

Golden Eagle	Copper
Nizina district	McCarthy (12.6, 6.85) approx. 61°23'N, 142°30'W approx.

Summary: Group of copper claims held by Alaska United Copper Exploration Co. near Boulder Cr. Explored by short tunnel in Nikolai Greenstone. [Miller, 1946 (B 947-F)]

References

Moffit, 1918 (B 662), p. 176
Miller, 1946 (B 947-F), p. 120
Berg and Cobb, 1967 (B 1246), p. 62

Good Enough	Copper
Chistochina district	McCarthy (0.45, 13.5)
MF-773B, loc. 180	61°46'N, 143°57'W

Summary: Prospect explored by 2 adits in Triassic Nikolai Greenstone. Chalcocite, malachite, and azurite in veins and native copper and chalcopyrite in amygdules. [MacKevett, 1976 (MF-773B)]

References

Moffit and Mertie, 1923 (B 745), p. 112-113
MacKevett and Cobb, 1972 (MF-395), loc. 3
MacKevett, 1976 (MF-773B), loc. 180
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 115

Gorilla

Copper

Nizina district
MF-773B, loc. 94

McCarthy (9.45, 9.7)
61°33'N, 142°52'W

Summary: Old shallow workings on iron- and copper-stained fractures in Triassic Nizina Ls. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 94

Green Butte (Copper Co.) — Copper, Silver

Nizina district — McCarthy (10.35, 8.7-8.8)
MF-773B, loc. 87 — 61°29'-61°30'N, 142°46'W

Summary: A Kennecott-type deposit that contains chalcocite-rich lodes localized in the lower part of the Triassic Chitistone Ls.; some bornite, malachite, azurite, and covellite also present. About 4,600 m of underground workings. Reported to have produced about 1,500 tons of high-grade ore that contained about 1,200 lbs. copper and 10 oz. silver per ton. Some recent exploration. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] Includes reference to Green. See also Donohoe.

References

Martin, 1920 (B 712), p. 31
Brooks, 1923 (B 739), p. 23
Brooks and Capps, 1924 (B 755), p. 27
Brooks, 1925 (B 773), p. 28, 37
Smith, 1926 (B 783), p. 20
Moffit, 1927 (B 792), p. 27-28
Smith, 1929 (B 797), p. 35-36
Smith, 1930 (B 810), p. 47
Smith, 1930 (B 813), p. 54
Smith, 1932 (B 824), p. 60
Smith, 1933 (B 836), p. 63
Moffit, 1938 (B 894), p. 121
Miller, 1946 (B 947-F), p. 98, 103-104
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 53, 56-57
MacKevett and Cobb, 1972 (MF-395), loc. 47
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 87
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 47
MacKevett and others, 1977 (C 739), p. 4

Harrais — Copper, Lead, Silver, Zinc

Nizina district — McCarthy (20.3, 0.8)
MF-773B, loc. 2 — 61°02'N, 141°37'W

Summary: Small, sporadically distributed pods and disseminations that contain copper, lead, and zinc sulfides and their alteration products and silver or a silver sulfide. Localized in shear zones, mainly in Permian marble. [MacKevett, 1976 (MF-773B); Seitz, 1963 (B 1155)]

References

Seitz, 1963 (B 1155), p. 66-72
Berg and Cobb, 1967 (B 1246), p. 62
MacKevett and Cobb, 1972 (MF-395), loc. 78
MacKevett, 1976 (MF-773B), loc. 2
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 1

(Hawkins Glacier) Molybdenum

Nizina district McCarthy (17.1-17.7, 2.65-3.9)
MF-773B, locs. 30, 32 61°08'-61°12'N, 141°55'-141°58'W

Summary: Boulders of Tertiary granodiorite in moraines of Hawkins Glacier contain quartz-molybdenite veins and/or molybdenite-bearing thin aplite dikes.

Reference

MacKevett, 1976 (MF-773B), locs. 30, 32

(Hidden Cr.) Copper

Nizina district McCarthy (6.85-7.2, 9.55-10.0)
MF-773B, locs. 100, 116-118 61°32'-61°34'N, 143°08'-143°11'W

Summary: Triassic Nikolai Greenstone contains bornite, chalcopyrite, chalcocite, and secondary copper minerals, mainly along faults; deposits at or near contact with overlying Chitistone Ls. Claims staked in 1906; appears to have been some post-1950 activity. Prospects consist of short adits and surface excavations. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] Includes references to Nebraska. See also Woodin & Herman.

References

Moffit and Maddren, 1908 (B 345), p. 158-160
Moffit and Maddren, 1909 (B 374), p. 77-79
Moffit, 1910 (B 442), p. 161
Moffit, 1915 (B 622), p. 115
Moffit, 1918 (B 662), p. 162-163
Miller, 1946 (B 947-F), p. 98, 118-119
Berg and Cobb, 1967 (B 1246), p. 61-62
MacKevett, 1972 (GQ-979)
MacKevett and Cobb, 1972 (MF-395), locs. 35, 36
MacKevett, 1976 (MF-773B), locs. 100, 116-118
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, locs. 55, 70, 71

Houghton Alaska Exploration Co. (Chitistone R.) — Copper

Nizina district — McCarthy (13.8, 8.75)
MF-773B, loc. 81 — 61°29'N, 142°21'W

Summary: Several closely spaced old prospects along minor faults near upper contact (with Chitistone Ls.) of Triassic Nikolai Greenstone. Secondary copper minerals coat fractures along faults. Explored by a few short adits. [MacKevett, 1976 (MF-773B)] See also Peavine.

References

Moffit and Maddren, 1908 (B 345), p. 166-167
Moffit and Maddren, 1909 (B 374), p. 89-90
Miller, 1946 (B 947-F), p. 120
MacKevett and Cobb, 1972 (MF-395), loc. 54 [Error; misidentified as Contact Gulch]
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 81
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 44

Houghton Alaska Exploration Co. (McCarthy Cr.) Copper

Nizina district McCarthy (10.0, 9.2)
MF-395, loc. 45 61°31'N, 142°49'W

Summary: Some underground exploration on copper claims on Chitistone Ls. where cut by Bonanza fault and cross faults. [Moffit, 1909 (B 379)] In some references data cannot be separted from those for Mother Lode. See also Kennecott.

References

Moffit, 1909 (B 379), p. 155
Moffit, 1910 (B 442), p. 160-161
Moffit and Capps, 1911 (B 448), p. 92
MacKevett and Cobb, 1972 (MF-395), loc. 45

Kennecott (Copper Corp.) — Copper, Lead, Silver, Zinc

Nizina district — McCarthy (9.2-9.95, 9.1-9.4)
MF-773B, locs. 89-93 — 61°31'-61°32'N, 142°49'-142°54'W

Summary: Bonanza, Jumbo, Erie, and Mother Lode eventually interconnected by underground workings and operated as a unit. Between 1913 and 1938 produced about 1.2 billion lbs. of copper and 9 million oz. of silver. Intermittent small-scale surface mining since 1938 with minor production. Deposits localized in lower, largely dolomitic, parts of Triassic Chitistone Ls. generally less than 100 m above the underlying Nikolai Greenstone. Major deposits are mainly irregular massive veinlike bodies; largest known ore body (Jumbo) averaged about 110 m in height and was 0.6-18.5 m wide, and extended along plunge 460 m. Principal ore mineral was chalcocite; other sulfides were covellite, enargite, bornite, chalcopyrite, luzonite, tennantite, pyrite, sphalerite, and galena. Oxidized ore, not related to present land surface, constituted a minor part of production. Origin and geologic history of deposits complex and not thoroughly understood. Copper probably originally came from Nikolai Greenstone and was deposited by oxygenated groundwater in dolomitic sabhka deposits in the Chitistone Ls. from Late Triassic to Late Jurassic; deposits were then deformed and remobilized during Late Jurassic and Early Cretaceous regional orogeny. Independence prospect (not connected to main mines, but close to them) was on chalcocite- and bornite-bearing veins in shear zones mainly in Nikolai Greenstone. [MacKevett, 1976 (MF-773B); Berg and Cobb, 1967 (B 1246)] Includes references to: Bonanza, Erie, Independence, Jumbo, Kennecott-Bonanza, Kennicott Mines Co., Marvelous, Mother Lode (Coalition Mines Co.), Old Hero, Old Independence. See also Nelson (Glacier Cr.).

References

Schrader and Spencer, 1901, p. 86
Mendenhall and Schrader, 1903 (P 15), p. 16-18, 27-28
Mendenhall and Schrader, 1903 (B 213), p. 144-145
Mendenhall, 1905 (B 41), p. 92, 103-104
Brooks, 1907 (B 314), p. 28
Moffit and Maddren, 1908 (B 345), p. 161-165
Moffit, 1909 (B 379), p. 153-154
Moffit and Maddren, 1909 (B 374), p. 80-88
Brooks, 1910 (B 442), p. 34
Moffit, 1910 (B 442), p. 160
Brooks, 1911 (B 480), p. 27-28
Brooks, 1911 (B 480), p. 84-86
Moffit and Capps, 1911 (B 448), p. 76, 83-93

Kennecott (Copper Corp.) -- cont.

Moffit, 1912 (B 520), p. 105-106
Moffit, 1913 (B 542), p. 82, 84
Brooks, 1914 (B 592), p. 60-61
Brooks, 1915 (B 622), p. 44
Moffit, 1915 (B 622), p. 104-105, 114-115
Brooks, 1916 (B 642), p. 54
Smith, 1917 (BMB 142), p. 37-38, 52
Smith, 1917 (BMB 153), p. 30-32
Brooks, 1918 (B 662), p. 16, 43
Moffit, 1918 (B 662), p. 163-175
Martin, 1919 (B 692), p. 17-18, 30
Bateman and McLaughlin, 1920
Martin, 1920 (B 712), p. 30-31
Brooks, 1921 (B 714), p. 12-13, 25, 27-28
Brooks and Martin, 1921 (B 714), p. 69
Moffit, 1921 (B 714), p. 194-195
Brooks, 1922 (B 722), p. 19, 21, 38-39
Brooks, 1923 (B 739), p. 13, 23
Brooks and Capps, 1924 (B 755), p. 15, 26-27
Moffit, 1924 (B 755), p. 62-65, 68, 70-72
Brooks, 1925 (B 773), p. 28, 37
Smith, 1926 (B 783), p. 20
Moffit, 1927 (B 792), p. 27-28
Smith, 1929 (B 797), p. 32, 34-35
Smith, 1930 (B 810), p. 45-46, 48
Smith, 1930 (B 813), p. 52-53
Smith, 1932 (B 824), p. 58-59
Smith, 1933 (B 836), p. 60-61
Smith, 1933 (B 844-A), p. 59-60
Smith, 1934 (B 857-A), p. 56-57
Smith, 1934 (B 864-A), p. 59
Smith, 1936 (B 868-A), p. 67
Moffit, 1937 (B 880-B), p. 98
Smith, 1937 (B 880-A), p. 69-70
Gardner and others, 1938 (BMB 405), p. 25, 205-206, 209-211, 275
Moffit, 1938 (B 894), p. 118-122, 125, 129, 131
Smith, 1938 (B 897-A), p. 78-80
Smith, 1939 (B 910-A), p. 84-85
Smith, 1939 (B 917-A), p. 85-87
Bain, 1946 (IC 7379), p. 32-33
Miller, 1946 (B 947-F), p. 98-101
Wedow and others, 1952 (OF 51), p. 107
Twenhofel, 1953 (C 252), p. 5
U.S. Geological Survey, 1965 (P 525-A), p. A8, A104
MacKevett and Radtke, 1966 (P 550-B), p. B165-B166, B168
Berg and Cobb, 1967 (B 1246), p. 52-53, 56
MacKevett and Smith, 1968 (C 604), p. 2

Kennecott (Copper Corp.) -- cont.

Armstrong and others, 1969 (P 650-D), p. D61-D62
Thorne, 1969 (USBM OF 22-69), p. 35
MacKevett, 1971 (B 1323), p. 32-34
MacKevett, 1972 (GQ-979)
MacKevett and Cobb, 1972 (MF-395), locs. 40-44
Cox and others, 1973 (P 820), p. 180
Henning and Dobey, 1973 (AOF 25), p. 7
Heyl and others, 1973 (P 820), p. 588
MacKevett, 1976 (MF-773B), locs. 89-93
Silberman and others, 1976 (C 733), p. 51-52
Armstrong and MacKevett, 1977 (C 751-B), p. B56
Armstrong and MacKevett, 1977 (OF 77-217)
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, locs. 49-51
MacKevett and others, 1977 (C 739), p. 4-5
Silberman and others, 1977 (C 751-B), p. B56-B58
Singer and MacKevett, 1977 (MF-773C)
U.S. Geological Survey, 1977 (P 1050), p. 83, 201-202
MacKevett and others, 1978 (OF 78-1-E), p. 21

Kinney-Golden	Copper
Chistochina district	McCarthy (3.1, 9.0)
MF-773B, loc. 104	61°31'N, 143°38'W

Summary: Chalcopyrite and secondary copper minerals localized along subsidiary faults that cut Triassic Nikolai Greenstone and the lower member of the Triassic-Jurassic McCarthy Fm. near a major thrust fault. Explored by an adit and trenches. Apparent post-1950 activity. [MacKevett, 1976 (MF-773B)]

References

Moffit, 1918 (B 662), p. 160-161
Berg and Cobb, 1967 (B 1246), p. 46
MacKevett and Cobb, 1972 (MF-395), loc. 28
MacKevett, 1976 (MF-773B), loc. 104
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 58

(Kletsan Cr.) Copper

Chisana district McCarthy (25.05, 10.85)
MF-773B,loc. 110 61°35'N, 141°00'W

Summary: Fairly abundant copper nuggets in creek gravels; parts of Kletsan Cr., mainly in Canada, have been staked for placer copper. [MacKevett, 1976 (MF-773B)]

References

Brooks, 1900 (20th Annual Report), p. 488-489
Brooks, 1900 (21st Annual Report), p. 379-381
Mendenhall and Schrader, 1903 (P 15), p. 40-42
Mendenhall and Schrader, 1903 (B 213), p. 148
Brooks, 1907 (B 314), p. 28
Moffit and Knopf, 1909 (B 379), p. 175-176
Moffit and Knopf, 1910 (B 417), p. 57
Capps, 1915 (B 622), p. 226
Capps, 1916 (B 630), p. 90, 120, 124-125
Knaebel, 1970 (GC 21), p. 13
MacKevett and Cobb, 1972 (MF-395), loc. 96
MacKevett, 1976 (MF-773B), loc. 110
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 63

(Kotsina R.) Copper

Chistochina district
MF-773B, locs. 170, 171

McCarthy (0.65-1.0, 12.6-12.7)
61°43;N, 143°52'-143°55'W

Summary: Several short exploratory adits on pyrite- and chalcopyrite-bearing veins, less than 30 cm thick, in Triassic gabbro and Tertiary felsic dikes. Semiquantitative spectrographic analyses of selected samples showed as much as 3 ppm Ag, 1,000 ppm Cu, 20 ppm Mo at MF-773B, loc. 170. Amygdaloidal Triassic Nikolai Greenstone contains sparsely distributed native copper and chalcocite at MF-773B, loc. 171. [MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)]

References

Moffit and Maddren, 1908 (B 345), p. 137
Moffit, 1909 (B 379), p. 156
Moffit and Maddren, 1909 (B 374), p. 54-55
Moffit, 1910 (B 442), p. 161
Moffit, 1915 (B 622), p. 109
Moffit and Mertie, 1923 (B 745), p. 100-101
MacKevett and Cobb, 1972 (MF-395), loc. 7
MacKevett, 1976 (MF-773B), locs. 170, 171
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, locs. 106, 107
MacKevett and others, 1978 (GQ-1418), locs. 5, 6

(Lakina R.) Copper

Chistochina district McCarthy (5.1, 9.8)
MF-773B, loc. 101 61°33'N, 143°24'W

Summary: Main prospect explored by adit on 2 shear zones, each less than 1 m thick, in Triassic Nikolai Greenstone. The shear zones contain chalcocite, bornite, covellite, malachite, and azurite. Nearby surficial workings along a brecciated flow top of Nikolai Greenstone that contains sporadically distributed native copper. Probably has been post-1950 activity. [MacKevett, 1976 (MF-773B)] Includes references to Lakina (Copper Co.).

References

Moffit and Maddren, 1908 (B 345), p. 155-158
Moffit and Maddren, 1909 (B 374), p. 75-77
Moffit, 1910 (B 442), p. 161
Moffit, 1915 (B 622), p. 115
Brooks, 1916 (B 642), p. 54
Moffit, 1918 (B 662), p. 161-162
Berg and Cobb, 1967 (B 1246), p. 46
MacKevett and Cobb, 1972 (MF-395), loc. 29
MacKevett, 1976 (MF-773B), loc. 101
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 56

Larson — Copper

Chistochina district — McCarthy (1.05, 12.35)
MF-773B, loc. 168 — 61°42'N, 143°53'W

Summary: Malachite-stained fracture coatings in a fault zone that cuts Triassic Nikolai Greenstone. Explored by 2 adits. [MacKevett, 1976 (MF-773B)]

References

Moffit and Mertie, 1923 (B 745), p. 100
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 10
MacKevett, 1976 (MF-773B), loc. 168
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 104
MacKevett and others, 1978 (GQ-1418), loc. 9

Le Tendre — Gold

Nizina district — McCarthy (5.1, 0.7)
MF-773B, loc. 11 — 61°02'N, 143°24'W

Summary: Prospect largely covered by surficial debris; reported to have explored a brecciated fault zone. Was the source of rich specimens of gold-bearing quartz. Country rock Mesozoic Valdez Gp. [MacKevett, 1976 (MF-773B); Moffit, 1937 (B 880-B)] Includes reference to La Tendre.

References

Moffit, 1937 (B 880-B), p. 102
MacKevett and Cobb, 1972 (MF-395), loc. 33
MacKevett, 1976 (MF-773B), loc. 11
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 6

(Lime Cr., trib. Rock Cr.) Copper

Chistochina district McCarthy (0.55, 12.15)
MF-773B, loc. 167 61°41'N, 143°56'W

Summary: Bornite and minor chalcopyrite in thin veins and local disseminations in Triassic Nikolai Greenstone near contact with Chitistone Ls. Explored by 2 short adits. [MacKevett, 1976 (MF-773B); Moffit and Mertie, 1923 (B 745)] Includes references to: G & B, United Verde.

References

Mendenhall and Schrader, 1903 (P 15), p. 21
Mendenhall, 1905 (P 41), p. 96-97
Moffit and Maddren, 1908 (B 345), p. 138
Moffit and Maddren, 1909 (B 374), p. 55-56
Moffit, 1915 (B 622), p. 111
Moffit and Mertie, 1923 (B 745), p. 92, 105
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 9
MacKevett, 1976 (MF-773B), loc. 167
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 103
MacKevett and others, 1978 (GQ-1418), loc. 13

(Lime Cr., trib. White R.) Gold

Chisana district McCarthy (18.0, 13.6) approx.
61°45'N, 141°50'W approx.

Summary: Was scene of one or two small stampedes, but only small amounts of placer gold were found. [Capps, 1916 (B 630)]

References

Capps, 1915 (B 622), p. 223
Capps, 1916 (B 630), p. 116

London & Cape (Co.) — Copper

Chistochina district — McCarthy (2.4, 9.8)
MF-773B, loc. 129 — 61°34'N, 143°43'W

Summary: A prophyry copper deposit that contains pyrite-chalcopyrite veinlets and disseminations in locally altered Jurassic granodiorite and quartz diorite. Site of an old adit and some recent exploration interest. Semiquantitative spectrographic analyses of grab samples indicated as much as 1.5 ppm Ag, 10,000 ppm Cu, 70 ppm Mo; most samples contained about 1,000 ppm Cu. [MacKevett and Holloway, 1977 (OF 77-169A)]

References

Moffit, 1918 (B 662), p. 159-160
Moffit and Mertie, 1923 (B 745), p. 136-137
MacKevett and Cobb, 1972 (MF-395), loc. 24
MacKevett, 1976 (MF-773B), loc. 129
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 78
MacKevett and others, 1978 (GQ-1418), loc. 33

Lost Cabin (Extension) — Copper

Chistochina district — McCarthy (0.2, 12.85)
MF-773B, loc. 177 — 61°44'N, 143°59'W

Summary: Sparsely distributed chalcocite, bornite, and chalcopyrite in thin veins and local disseminations in Triassic Nikolai Greenstone. Explored by 4 adits and several open cuts. [MacKevett and Holloway, 1977 (OF 77-169A); MacKevett, 1976 (MF-773B)]

References

Moffit and Mertie, 1923 (B 745), p. 112
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 6
MacKevett, 1976 (MF-773B), loc. 177
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 112
MacKevett and others, 1978 (GQ-1418), loc. 1

Mayflower — Copper

Chistochina district — McCarthy (3.15, 11.0)
MF-773B, loc. 127 — 61°38'N, 143°37'W

Summary: Bornite, chalcocite, and secondary copper minerals in narrow veins along faults in Triassic Nikolai Greenstone. Explored by a short adit. [MacKevett, 1976 (MF-773B)]

References

Moffit, 1918 (B 662), p. 159
Moffit and Mertie, 1923 (B 745), p. 135-136
MacKevett and Cobb, 1972 (MF-395), loc. 22
MacKevett, 1976 (MF-773B), loc. 127
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 76

(Mineral Cr.) Copper, Gold, Silver

Chistochina district
MF-773B, loc. 179

McCarthy (0.8, 13.2)
61°45'N, 143°54'W

Summary: Several old workings in vicinity; mainly on quartz veins, as much as 50 cm thick, that cut Permian argillite and granodiorite. The veins contain pyrite, chalcopyrite, and minor chalcocite. As much as about 3 oz. per ton each of silver and gold reported in old assays. [MacKevett, 1976 (MF-773B); Moffit and Mertie, 1923 (B 745)] Includes references to Valdez claim on Mineral Cr.

References

Moffit, 1915 (B 622), p. 109-110
Moffit and Mertie, 1923 (B 745), p. 114-115
Berg and Cobb, 1967 (B 1246), p. 43-44
MacKevett and Cobb, 1972 (MF-395), loc. 4
MacKevett, 1976 (MF-773B), loc. 179
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 114

(Monahan Cr.) Gold(?)

Nizina district McCarthy (5.65, 0.25) approx.
61°04'N, 143°20'W approx.

Summary: Has been considerable prospecting for placer gold in area of Monahan and Golconda Creeks. No definite statement that any gold was found on Monahan Cr. See also (Golconda Cr.).

References

Moffit, 1914 (B 576), p. 44
Smith, 1933 (B 844-A), p. 28
Smith, 1934 (B 857-A), p. 26
Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 31
Smith, 1937 (B 880-A), p. 34-35

(Moraine Cr.) Copper

Chisana district McCarthy (18,55, 11.65)
MF-773B, loc. 151 61°39'N, 141°47'W

Summary: Flows of Triassic Nikolai Greenstone contain amygdules and veinlets of intergrown prehnite, calcite, chalcocite, and native copper. Has been a little exploratory work. [MacKevett, 1976 (MF-773B); Capps, 1916 (B 630)]

References

Moffit and Knopf, 1909 (B 379), p. 174-175
Moffit and Knopf, 1910 (B 417), p. 56
Capps, 1916 (B 630), p. 123-124
Berg and Cobb, 1967 (B 1246), p. 209
Knaebel, 1970 (GC 21), p. 17
MacKevett and Cobb, 1972 (MF-395), loc. 83
MacKevett, 1976 (MF-773B), loc. 151

Nelson (Glacier Cr.)

Copper, Silver

Nizina district
MF-773B, loc. 69

McCarthy (13.7, 8.05)
61°27'N, 142°23'W

Summary: Kennecott-type deposit containing chalcocite, covellite, enargite, bornite, malachite, chalcopyrite, and pyrite; in near-basal parts of a faulted block of Triassic Chitistone Ls. A few hundred meters of underground workings; minor production, 1929-30. Each of 3 samples taken across veins contained 50 ppm Ag. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] Includes references to Kennecott-type deposits on Glacier Cr.

References

Smith, 1930 (B 813), p. 54
Bateman, 1932
Smith, 1932 (B 824), p. 60
Smith, 1933 (B 836), p. 62
Moffit, 1938 (B 894), p. 121
Miller, 1946 (B 947-F), p. 110-114
Sainsbury, 1952 (OF 61), p. 2-13
Berg and Cobb, 1967 (B 1246), p. 59-60
MacKevett and Smith, 1968 (C 604), p. 6-9, 14 (samples 29-31)
MacKevett and Cobb, 1972 (MF-395), loc. 53
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 69
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 34

Nelson (near Golconda Cr.) Gold

Nizina district McCarthy (5.3, 0.7)
MF-773B, loc. 10 61°02'N, 143°23'W

Summary: Gold irregularly distributed in thin quartz veins that cut Mesozoic Valdez Gp. [MacKevett, 1976 (MF-773B)]

References

Moffit, 1937 (B 880-B), p. 102
MacKevett and Cobb, 1972 (MF-395), loc. 34
MacKevett, 1976 (MF-773B), loc. 10
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 6

Nikolai — Copper

Nizina district — McCarthy (11.1, 8.2)
MF-773B, loc. 75 — 61°28'N, 142°41'W

Summary: Two veins, each less than 1 m thick, in shear zones in Triassic Nikolai Greenstone contain bornite, chalcopyrite, pyrrhotite, and secondary copper and iron minerals in a quartz-calcite gangue. Deposit known to natives in late 1800's; originally staked in 1899. More than 100 m of underground workings. No recorded production. [MacKevett, 1976 (MF-773B)]

References

Rohn, 1900, p. 437
Schrader and Spencer, 1901, p. 82-83, 86-87
Mendenhall and Schrader, 1903 (P 15), p. 16-18, 28-29
Mendenhall and Schrader, 1903 (B 213), p. 144
Mendenhall, 1905 (P 41), p. 92, 104-105
Moffit and Maddren, 1908 (B 345), p. 165-166
Moffit and Maddren, 1909 (B 374), p. 88-89
Brooks, 1911 (B 480), p. 84-85
Moffit and Capps, 1911 (B 448), p. 75, 93-95
Moffit, 1912 (B 520), p. 106
Moffit, 1913 (B 542), p. 84
Brooks, 1921 (B 714), p. 28
Miller, 1946 (B 947-F), p. 98, 106-108
MacKevett, 1965 (1-438)
Berg and Cobb, 1967 (B 1246), p. 53, 58
MacKevett and Smith, 1968 (C 604), p. 2, 8-9, 14 (loc. 8)
MacKevett and Cobb, 1972 (MF-395), loc. 49
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 75
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 40
MacKevett and others, 1977 (C 739), p. 5

(Nikolai Butte) Copper

Nizina district McCarthy (13.0, 6.7)
MF-773B, loc. 58 61°23'N, 142°27'W

Summary: Several small prospects explored narrow veins in steep faults that cut the Triassic Nikolai Greenstone and Chitistone Ls. and copper-stained zones along the Nikolai-Chitistone contact. Geochemical samples contained as much as 10 ppm Ag, 15,000 ppm Pb, 10,000 ppm Zn, but no lead or zinc minerals were reported. [MacKevett, 1976 (MF-773B)] Includes reference to Nikolai Butte Copper Co.

References

Miller, 1946 (B 947-F), p. 120
MacKevett and Smith, 1968 (C 604), p. 7-11, 14 (samples 50-52)
MacKevett and Cobb, 1972 (MF-395), loc. 67
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 58
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 25

(Nugget Cr.) Copper, Silver

Chistochina district McCarthy (2.35, 11.3)
MF-773B, loc. 139 61°39'N, 143°43'W

Summary: More than 4,000 ft. of underground workings on Valdez claim mainly exploited a bornite-chalcopyrite-pyrite-bearing vein, locally more than 3 ft. thick, that follows a fault cutting the Triassic Nikolai Greenstone. In one level of mine chalcopyrite filled vesicles in greenstone. Produced 2 carloads of high-grade hand-sorted ore before 1916 and 160 tons of concentrates and hand-sorted ore between 1916 and when mine was abandoned in 1919 because ore did not maintain grade with depth. Sample of selected ore contained 200 ppm Ag and more than 2% Cu. Minor prospecting on nearby claims. Slablike copper nugget that weighted several tons was found in bed of Nugget Cr. near Valdez claim. [Moffit and Mertie, 1923 (B 745); MacKevett, 1976 (MF-773B)] Includes references to Valdez claim on Nugget Cr.

References

Schrader and Spencer, 1901, p. 85-86
Mendenhall and Schrader, 1903 (P 15), p. 27
Mendenhall, 1905 (P 41), p. 103
Moffit and Maddren, 1908 (B 345), p. 153-155
Moffit, 1909 (B 379), p. 155
Moffit and Maddren, 1909 (B 374), p. 45, 72-74
Moffit, 1910 (B 442), p. 161
Moffit, 1913 (B 542), p. 83
Brooks, 1914 (B 592), p. 61
Brooks, 1915 (B 622), p. 44
Moffit, 1915 (B 622), p. 113
Brooks, 1916 (B 642), p. 54
Smith, 1917 (BMB 142), p. 37, 52
Smith, 1917 (BMB 153), p. 30
Moffit, 1918 (B 662), p. 158
Martin, 1920 (B 712), p. 31
Brooks, 1921 (B 714), p. 29
Moffit, 1921 (B 714), p. 190-191
Moffit and Mertie, 1923 (B 745), p. 82-83, 85, 90, 93, 129-133
Moffit, 1938 (B 894), p. 124
Van Alstine and Black, 1946 (B 947-G), p. 136-137
Berg and Cobb, 1967 (B 1246), p. 42-43
MacKevett and Cobb, 1972 (MF-395), loc. 20
MacKevett, 1976 (MF-773B), loc. 139
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 85
MacKevett and others, 1978 (GQ-1418), loc. 18

O'Hara(-Meloy) — Lead, Zinc

Nizina district — McCarthy (1.3, 5.85)
MF-773B, loc. 59 — 61°17'N, 143°50'W

Summary: Veins as much as 8 in. thick of galena, sphalerite, pyrite, marcasite, and pyrrhotite in Permian marble. A little disseminated tourmaline, pyrite, pyrrhotite, and sphalerite also in marble. Short adits driven in about 1940 did not reveal a minable ore body. [Berg and Cobb, 1967 (B 1246); MacKevett, 1976 (MF-773B)]

References

Berg and Cobb, 1967 (B 1246), p. 64
MacKevett and Cobb, 1972 (MF-395), loc. 30
MacKevett, 1976 (MF-773B), loc. 59
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 26

(Peacock Cr.) Copper

Chistochina district McCarthy (1.85-2.1, 12.3-12.5)
MF-773B, loc. 162 61°42'-61°43'N, 143°45'-143°47'W

Summary: Several old claims on copper-bearing veins in Triassic Nikolai Greenstone cut by apophyses of nearby Jurassic granodiorite mass. Workings practically obliterated. [MacKevett, 1976 (MF-773B); Moffit and Mertie, 1923 (B 745)]

References

Mendenhall and Schrader, 1903 (P 15), p. 19-20
Moffit and Maddren, 1908 (B 345), p. 140-141
Moffit and Maddren, 1909 (B 374), p. 57-58
Moffit and Mertie, 1923 (B 745), p. 107
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 13
MacKevett, 1976 (MF-773B), loc. 162
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 98
MacKevett and others, 1978 (GQ-1418), loc. 12

Peavine — Copper

Nizina district — McCarthy (12.7, 8.0)
MF-773B, loc. 73 — 61°27'N, 142°29'W

Summary: Widespread malachite and azurite coatings in brecciated fault zone; contains some chalcocite; cuts Chitistone Ls. and Nikolai Greenstone (both Triassic). Explored by short adit and surface workings; small shipment made during winter of 1973-74. [MacKevett, 1976 (MF-773B)] See also Houghton Alaska Exploration Co. (Chitistone R.).

References

Moffit and Maddren, 1908 (B 345), p. 166-167
Moffit and Maddren, 1909 (B 374), p. 89-90
Miller, 1946 (B 947-F), p. 120
Berg and Cobb, 1967 (B 1246), p. 60
MacKevett and Smith, 1968 (C 604), p. 8-9, 14 (loc. 25)
MacKevett and Cobb, 1972 (MF-395), loc. 51
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 73
MacKevett and Holloway, 1977 (OF 77-179A), p. 32, loc. 38
MacKevett and others, 1977 (C 739), p. 4

Pierson	Copper, Gold
Chistochina district	McCarthy (2.65, 10.6)
MF-773B, loc. 126	61°36'N, 143°41'W

Summary: Shear zone about 1 m thick between Triassic Nikolai Greenstone and a latite body about 9 m thick; Triassic Chitistone Ls. on other side of latite. Shear zone stained with limonite and malachite; small amounts of pyrite and chalcopyrite; free gold reported. Geochemical sample contained 0.1 ppm Au, 1.5 ppm Ag, 1,000 ppm As, 200 ppm Cu, 700 ppm Zn. [Moffit and Mertie, 1923 (B 745); Van Alstine and Black, 1946 (B 947-G); MacKevett, 1976 (MF-773B)]

References

Moffit and Mertie, 1923 (B 745), p. 136
Van Alstine and Black, 1946 (B 947-G), p. 138
Berg and Cobb, 1967 (B 1246), p. 43
MacKevett and Cobb, 1972 (MF-395), loc. 23
MacKevett, 1976 (MF-773B), loc. 126
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 74
MacKevett and others, 1978 (GQ-1418), loc. 26

(Porcupine Cr.) Copper, Gold

Chistochina district McCarthy (1.3-1.75, 10.95-11.15)
MF-773B, loc. 135 [in part] 61°37'-61°38'N, 143°47'-143°51'W

Summary: Open cuts and adits in sheared Triassic Nikolai Greenstone cut by Jurassic dioritic dikes. Chalcopyrite, pyrite, and their oxidation products and, reportedly, a little gold. [Moffit and Mertie, 1923 (B 745); MacKevett, 1976 (MF-773B)] Includes references to Blackburn. See also (Clear Cr.); some of old properties on both sides of divide between creeks.

References

Moffit, 1913 (B 542), p. 83
Moffit, 1918 (B 662), p. 158
Moffit and Mertie, 1923 (B 745), p. 128
MacKevett and Cobb, 1972 (MF-395), loc. 19
MacKevett, 1976 (MF-773B), loc. 135
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 82
MacKevett and others, 1978 (GQ-1418), loc. 24

(Porphyry Mtn.)

Copper, Gold, Molybdenum

Nizina district
MF-773B, loc. 77

McCarthy (9.85, 7.9)
61°27'N, 142°50'W

Summary: Quartz vein as much as 0.5 m thick intermittently distributed along a fault cutting a Tertiary pluton. Molybdenite, mainly along selvages of vein. Minor gold values. Chalcopyrite is a minor to trace constituent. About 120 m of underground workings. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)] Includes reference to Bonanza Gold Mining Co.

References

Brooks, 1914 (B 592), p. 61
MacKevett, 1965 (I-438)
MacKevett and Smith, 1968 (C 604), p. 2-3, 6, 8-9, 14 (samples 1-7)
MacKevett and Cobb, 1972 (MF-395), loc. 48
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 77
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 41

(Ptarmigan Cr.)	Gold(?)
Chisana district	McCarthy (24.4, 17.25) approx. 61°57'N, 141°03'W approx.

Summary: Unverified report of finding workable placer ground on lower Ptarmigan Cr. in 1914. [Capps, 1916 (B 630)]

References

Capps, 1915 (B 622), p. 223
Capps, 1916 (B 630), p. 116

(Rabbit Cr.) Copper

Chisana district McCarthy (24.7, 15.35) approx.
61°51'N, 141°01'W approx.

Summary: 20-ft. adit driven on an iron- and copper-stained shattered zone in basalt. Fresh rock contains sparsely disseminated chalcopyrite. [Moffit and Knopf, 1910 (B 417)] Most recent geologic map of area [MacKevett, 1978 (I-1032)] shows area underlain by Quaternary and Tertiary Wrangell Lava.

References

Moffit and Knopf, 1909 (B 379), p. 175
Moffit and Knopf, 1910 (B 417), p. 57
Berg and Cobb, 1967 (B 1246), p. 209

Radovan — Antimony, Copper, Silver

Nizina district — McCarthy (13.6-13.85, 7.2-7.6)
MF-773B, locs. 65-67 — 61°24'-61°26'N, 142°21'-142°23'W

Summary: Three prospects. Low Contact prospect (MF-773B, loc. 65) is sporadically distributed chalcocite, chalcopyrite, pyrite, marcasite, realgar, and stibnite in a brecciated fault zone that juxtaposes Triassic Nikolai Greenstone and Chitistone Ls.; explored by trenches and short adits. Sample of float from below prospect contained 100 ppm Ag. Binocular prospect (MF-773B, loc. 66) consists of small malachite-stained chalcocite masses in near-basal Chitistone Ls. and nearby copper-stained outcrops. The Greenstone prospect (MF-773B, loc. 67) is a chalcocite-rich vein 1-3 m thick in a fault cutting Nikolai Greenstone; explored by 2 short adits. [MacKevett, 1976 (MF-773B)]

References

Miller, 1946 (B 947-F), p. 98, 114-117
Sainsbury, 1952 (OF 61), p. 2-3, 13-19
Berg and Cobb, 1967 (B 1246), p. 53, 60-61
MacKevett and Smith, 1968 (C 604), p. 2-3, 6-9, 14 (samples 37-49)
MacKevett, 1970 (B 1333), p. 30
MacKevett and Cobb, 1972 (MF-395), locs. 60-63
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), locs. 65-67
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, locs. 30-32

Regal (Mining Co.) Copper

Nizina district McCarthy (8.65, 9.8)
MF-773B, loc. 97 61°33'N, 142°58'W

Summary: Chiefly malachite-rich coatings, veinlets, and disseminations in basal Triassic Chitistone Ls.; some chalcocite and bornite present. Developed by 3 inclines and other underground workings (total length more than 760 ft.) and by a few pits in nearby Triassic Nikolai Greenstone. Was minor production. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] Includes references to Great Northern Development Co. if obviously to this property.

References

Brooks, 1915 (B 622), p. 44
Moffit, 1915 (B 622), p. 115
Moffit, 1918 (B 662), p. 163
Miller, 1946 (B 947-F), p. 101-103
MacKevett and Radtke, 1966 (P 550-B), p. B166-B167
Berg and Cobb, 1967 (B 1246), p. 57
MacKevett, 1972 (GQ-979)
MacKevett and Cobb, 1972 (MF-395), loc. 39
MacKevett, 1976 (MF-773B), loc. 97
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 53

(Rex Cr.) (Gulch) — Gold, Molybdenum, Silver

Nizina district — McCarthy (11.95-12.25, S.25-5.7)
MF-773B, loc. 39 — 61°17'-61°19'N, 142°32'-142°35'W

Summary: Both bench and stream placers mined on this tributary of Chititu Cr. On upper Rex Cr. [exact location not known] a vein less than ½ in. thick in a prophyry dike consisted of quartz with molybdenite and pyrite and assayed 0.18 oz. gold and 12. 80 oz. silver per ton. [Moffit and Capps, 1911 (B 448)] Most of reports listed below lump data for Chitutu Cr. and its tributaries or state that there was placer mining in specific years. See also (Chititu Cr.).

References

Moffit, 1910 (B 442), p. 162
Moffit and Capps, 1911 (B 448), p. 98-100, 103-107
Moffit, 1912 (B 520), p. 107
Moffit, 1913 (B 542), p. 85
Brooks, 1914 (B 592), p. 62
Moffit, 1915 (B 622), p. 115-117
Brooks, 1916 (B 642), p. 43
Smith, 1917 (BMB 153), p. 33
Moffit, 1921 (B 714), p. 196
Brooks, 1922 (B 722), p. 39
Brooks and Capps, 1924 (B 755), p. 27
Moffit, 1924 (B 755), p. 69-70
Smith, 1926 (B 783), p. 12
Smith, 1930 (B 810), p. 21
Smith, 1930 (B 813), p. 24
Smith, 1932 (B 824), p. 28
Smith, 1933 (B 836), p. 27
Smith, 1933 (B 844-A), p. 28
Smith, 1934 (B 857-A), p. 26
Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 31
Smith, 1937 (B 880-A), p. 34
Moffit, 1938 (B 894), p. 128
Smith, 1938 (B 897-A), p. 40-41
Smith, 1939 (B 910-A), p. 38-39
Smith, 1939 (B 917-A), p. 37
Smith, 1941 (B 926-A), p. 34
Smith, 1942 (B 933-A), p. 33
Moxham and Nelson, 1952 (C 184), p. 3
Wedow and others, 1952 (OF 51), p. 108
MacKevett, 1965 (MF-438)
Berg and Cobb, 1967 (B 1246), p. 63
MacKevett and Cobb, 1972 (MF-395), loc. 90
Cobb, 1973 (B 1374), p. 30
MacKevett, 1976 (MF-773B), loc. 39

(Roaring Cr.) Copper

Chistochina district McCarthy (1.4-1.75, 11.9-12.1)
MF-773B, locs. 159, 160 61°41'-61°42'N, 143°47'-143°50'W

Summary: Several prospects, marked by old, largely caved workings, on thin veins that variously contain small quantities of chalcopyrite, bornite, chalcocite, and malachite and cut Permian sedimentary rocks or gabbro or Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)] Includes references to prospects on east branch of Roaring Cr., which may be on part of Skyscraper property. See also Skyscraper.

References

Moffit and Maddren, 1908 (B 345), p. 139
Moffit and Maddren, 1909 (B 374), p. 56-57
Moffit, 1915 (B 622), p. 111
Moffit and Mertie, 1923 (B 745), p. 107
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 11
MacKevett, 1976 (MF-773B), locs. 159, 160
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 96
MacKevett and others, 1978 (GQ-1418), locs. 15, 16

(Rocker Cr.) Gold

Chisana district McCarthy (24.75, 16.2)
MF-773B, loc. 184 61°54'N, 141°01'W

Summary: Placer gold occurrence. Stream drains area underlain by Tertiary felsic hypabyssal rocks and Tertiary and Quaternary Wrangell Lava. [MacKevett, 1976 (MF-773B)] No other data on occurrence.

References

MacKevett, 1976 (MF-773B), loc. 184
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 119

Schultze — Copper

Nizina district — McCarthy (11.35, 8.05)
MF-773B, loc. 74 — 61°27'N, 142°39'W

Summary: Small chalcocite-rich pod and chalcocite-bearing stringers in lower part of Traissic Chitistone Ls. Explored by 2 short adits. Kennecott-type deposit. [MacKevett, 1976 (MF-773B); MacKevett and Holloway, 1977 (OF 77-169A)] Note: name not used in several of the references listed below.

References

MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 58
MacKevett and Cobb, 1972 (MF-395), loc. 50
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 74
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 39

(Sheep Cr.) Copper

Chisana district McCarthy (19.5, 12.2)
MF-773B, loc. 148 61°40'N, 141°39'W

Summary: Caved adit in amygdaloidal Triassic Nikolai Greenstone. Native copper, cuprite, chalcocite, and malachite in amygdules. [Capps, 1916 (B 630); MacKevett, 1976 (MF-773B)]

References

Capps, 1916 (B 630), p. 124
Knaebel, 1970 (GC 21), p. 17
MacKevett and Cobb, 1972 (MF-395), loc. 85
MacKevett, 1976 (MF-773B), loc. 148
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 90

(Shower Gulch) Copper

Chistochina district McCarthy (2.4, 12.75)
MF-773B, loc. 164 61°44'N, 143°43'W

Summary: Sparsely distributed native copper in upper, amygdaloidal parts of flows of Triassic Nikolai Greenstone. A little chalcopyrite and chalcocite also present. Explored by open cuts. [MacKevett, 1976 (MF-773B); Moffit and Mertie, 1923 (B 745); Mendenhall, 1905 (P 41)] Includes references to: Copper King (Kotsina R.), Keystone.

References

Mendenhall and Schrader, 1903 (P 15), p. 19
Mendenhall and Schrader, 1903 (B 213), p. 146-147
Mendenhall, 1905 (P 41), p. 94-95
Moffit and Maddren, 1908 (B 345), p. 141
Moffit and Maddren, 1909 (B 374), p. 58-59
Moffit and Mertie, 1923 (B 745), p. 107-108
Moffit, 1924 (B 755), p. 67
Moffit, 1938 (B 894), p. 124
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 15
MacKevett, 1976 (MF-773B), loc. 164
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 100
MacKevett and others, 1978 (GQ-1418), loc. 7

Silver Star — Bismuth, Copper, Lead, Silver, Zinc

Chistochina district — McCarthy (0.8-0.85, 12.85-12.95)
MF-773B, locs. 175, 176 — 61°44'N, 143°54'W

Summary: Open cuts and 2 adits on thin quartz veins that contain argentiferous tetrahedrite, copper minerals, galena, and sphalerite; samples assayed 25 to 700 oz. silver per ton. A small amount of a bismuth-bearing mineral that may be bismuthinite is also present. Country rock Triassic Nikolai Greenstone near contact with Permian Hasen Creek Fm; small intrusive bodies of Jurassic granodiorite and Tertiary hypabyssal rocks nearby. [Moffit and Mertie, 1923 (B 745); MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)] Name of prospect not used in several references.

References

Moffit, 1915 (B 622), p. 110
Moffit and Mertie, 1923 (B 745), p. 87, 110-112
Moffit, 1938 (B 894), p. 125, 129-130
Berg and Cobb, 1967 (B 1246), p. 43
MacKevett and Cobb, 1972 (MF-395), loc. 5
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1976 (MF-773B), locs. 175, 176
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 111
MacKevett and others, 1978 (GQ-1418), loc. 2 [in part]

Skyscraper — Copper

Chistochina district — McCarthy (1.7, 12.3)
MF-773B, loc. 161 — 61°42'N, 143°48'W

Summary: Several short exploratory adits. Chalcocite and native copper in thin veins and local disseminations in Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)] Includes references to: Davy, Eleanor. See also (Roaring Cr.).

References

Mendenhall and Schrader, 1903 (P 15), p. 19-20
Mendenhall and Schrader, 1903 (B 213), p. 145-146
Mendenhall, 1905 (P 41), p. 95-96
Moffit and Maddren, 1908 (B 345), p. 139
Moffit and Maddren, 1909 (B 374), p. 57
Moffit, 1915 (B 622), p. 110-111
Moffit and Mertie, 1923 (B 745), p. 88-89, 106-107
MacKevett and Cobb, 1972 (MF-395), loc. 12
MacKevett, 1976 (MF-773B), loc. 161
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 97
MacKevett and others, 1978 (GQ-1418), loc. 11

Snow Bird — Copper, Silver

Nizina district — McCarthy (12.45, 7.05)
MF-773B, loc. 71 — 61°24'N, 142°31'W

Summary: Vein 0.5-1.5 m thick in shear zone that cuts Triassic Nikolai Greenstone; contains bornite, chalcocite, chalcopyrite, and pyrite in quartz-calcite gangue. Explored by 2 short adits. Sample of a bornite-rich pod contained 50 ppm Ag. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)] Includes references to copper prospect near Boulder Cr.

References

Moffit, 1918 (B 662), p. 176-177
Miller, 1946 (B 947-F), p. 120
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 62
MacKevett and Smith, 1968 (C 604), p. 8-9, 14 (samples 9-12)
MacKevett and Cobb, 1972 (MF-395), loc. 64
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 71
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 36

(Strelna Cr.) Copper

Chistochina district McCarthy (0.1, 10.9)
MF-773B, loc. 147 61°37'N, 143°59'W

Summary: Old prospect pit on 2-m-wide altered fault zone in Triassic Nikolai Greenstone that contains sporadically distributed pyrite-calcite veins wtih minor copper staining. [MacKevett, 1976 (MF-773B)]

References

Schrader and Spencer, 1901, p. 85
Mendenhall and Schrader, 1903 (P 15), p. 27
Mendenhall, 1905 (P 41), p. 103
Moffit and Maddren, 1908 (B 345), p. 155
Moffit and Maddren, 1909 (B 374), p. 74
MacKevett and Cobb, 1972 (MF-395), loc. 16
MacKevett, 1976 (MF-773B), loc. 147
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 89
MacKevett and others, 1978 (GQ-1418), loc. 19

(Surprise Cr.) Copper

Chistochina district McCarthy (1.6, 13.0)
MF-773B, loc. 173 61°44'N, 143°47'W

Summary: Several old prospects on adjoining claims near Surprise and Sunshine Creeks; explored by open cuts and a few short adits. Mainly on chalcocite-, bornite-, and chalcopyrite-bearing veins in faulted Triassic Nikolai Greenstone and Jurassic granodiorite. [MacKevett, 1976 (MF-773B)] Includes references to: Hubbard, Laddie, Sheehan.

References

Mendenhall, 1905 (P 41), p. 123
Moffit and Maddren, 1908 (B 345), p. 141-142
Moffit and Maddren, 1909 (B 374), p. 59-60
Moffit, 1910 (B 442), p. 161
Moffit, 1915 (B 622), p. 110
Moffit and Mertie, 1923 (B 745), p. 89, 108-110
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 14
MacKevett, 1976 (MF-773B), loc. 173
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 109
MacKevett and others, 1978 (GQ-1418), loc. 4

Taylor	Copper
Nizina district MF-773B, loc. 55	McCarthy (12.8, 5.6) 61°19'N, 142°29'W

Summary: At and near contact between a Tertiary felsic pluton that contains disseminated pyrite and Cretaceous hornfels; irregular sulfide-bearing pods along contact; a few narrow quartz veins. Chalcopyrite is a minor to trace constituent. Geochemical samples contained as much as 15.4 ppm Au, 5 ppm Ag, 2,000 ppm Cu. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)]

References

MacKevett and Smith, 1968 (C 604), p. 2-3, 6, 10-11, 15 (samples 71-79)
MacKevett, 1970, (B 1333), p. 30
MacKevett and Cobb, 1972 (MF-395), loc. 71
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 55
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 25

(Texas Cr.) Antimony

Nizina district McCarthy (13.8, 6.5)
MF-773B, loc. 51 61°22'N, 142°22'W

Summary: Float of stibnite-bearing brecciated quartz vein. Geochemical sample contained more than 10,000 ppm Sb and 500 ppm As. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 6, 10-11, 15 (loc. 59)
MacKevett, 1976 (MF-773B), loc. 51

Tjosevig — Copper

Nizina district — McCarthy (10.3, 8.85)
MF-773B, loc. 88 — 61°30'N, 142°46'W

Summary: A Kennecott-type deposit in the lower part of the Triassic Chitistone Ls. Known deposits (largely malachite and azurite) are small. Explored by a short (now-caved) adit. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)]

References

Miller, 1946 (B 947-F), p. 104-105
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 57
MacKevett and Cobb, 1972 (MF-395), loc. 46
MacKevett, 1974 (GQ-1146)
MacKevett, 1976 (MF-773B), loc. 88
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 48

War Eagle — Copper, Iron

Chistochina district — McCarthy (2.2, 9.8)
MF-773B, loc. 130 — 61°34'N, 143°44'W

Summary: A contact-metamorphic deposit in metamorphosed Triassic Chitistone Ls. adjacent to Jurassic granodiorite. Mineralized zone as much as 8 m thick contains magnetite, pyrrhotite, pyrite, and minor chalcopyrite. Prospected by adit and surface cuts. [MacKevett, 1976 (MF-773B); MacKevett and others, 1978 (GQ-1418)] Includes references to (MacDougall Cr.). See also Calcite.

References

Moffit, 1915 (B 622), p. 114
Moffit, 1918 (B 662), p. 160
Moffit, 1921 (B 714), p. 192
Moffit and Mertie, 1923 (B 745), p. 137-139
Moffit, 1924 (B 755), p. 65-66
Moffit, 1938 (B 894), p. 117, 122-123, 126
Van Alstine and Black, 1946 (B 947-G), p. 139-140
Berg and Cobb, 1967 (B 1246), p. 42
MacKevett and Cobb, 1972 (MF-395), loc. 26
MacKevett, 1976 (MF-773B), loc. 130
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 79
MacKevett and others, 1978 (GQ-1418), loc. 32

Warner	Copper
Chistochina district	McCarthy (0.35, 12.4)
MF-773B, loc. 169	61°42'N, 143°57'W

Summary: Minor amounts of bornite, chalcopyrite, and malachite in a brecciated quartz-calcite vein about 1 m thick that cuts Triassic Nikolai Greenstone. Explored by a short adit. Geochemical sample contained 5 ppm Ag and 20,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

Schrader and Spencer, 1901, p. 85
Mendenhall and Schrader, 1903 (P 15), p. 18, 20
Mendenhall, 1905 (P 41), p. 94, 96
Moffit and Maddren, 1908 (B 345), p. 138
Moffit and Maddren, 1909 (B 374), p. 55
Moffit and Mertie, 1923 (B 745), p. 104-105
Berg and Cobb, 1967 (B 1246), p. 44
MacKevett and Cobb, 1972 (MF-395), loc. 8
MacKevett, 1976 (MF-773B), loc. 169
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 105
MacKevett and others, 1978 (GQ-1418), loc. 8

Westover	Copper, Silver
Nizina district	McCarthy (12.6, 7.1)
MF-773B, loc. 72	61°24'N, 142°30'W

Summary: Mainly bornite-rich lenses that contain some chalcocite, malachite, and chalcopyrite. Localized in lower part of Triassic Chitistone Ls. More than 1,400 ft. of underground workings driven between 1911 and 1920; minor production, 1917-18. Channel samples across lode contained 50 ppm Ag and 2,000 ppm As. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F); MacKevett and Smith, 1968 (C 604)]

References

Moffit and Maddren, 1908 (B 345), p. 169
Moffit and Maddren, 1909 (B 374), p. 92
Moffit, 1910 (B 442), p. 161
Moffit and Capps, 1911 (B 448), p. 83, 95-97
Moffit, 1912 (B 520), p. 106
Moffit, 1913 (B 542), p. 84
Brooks, 1915 (B 622), p. 44
Moffit, 1915 (B 622), p. 115
Moffit, 1918 (B 662), p. 175-177
Martin, 1920 (B 712), p. 31
Miller, 1946 (B 947-F), p. 98, 108-110, 119-120
MacKevett, 1965 (I-438)
Berg and Cobb, 1967 (B 1246), p. 53, 58-59, 62
MacKevett and Smith, 1968 (C 604), p. 6-9, 14 (samples 32-34)
MacKevett, 1970 (B 1333), p. 29
MacKevett and Cobb, 1972 (MF-395), loc. 65
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 72
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 37

(White Cr.) Copper, Gold, Silver

Nizina district McCarthy (11.95-12.4, 4.95-5.25)
MF-773B, loc. 39 61°16'-61°17'N, 142°31'-142°35'W

Summary: Both bench and stream placers have been mined on this tributary of Chititu Cr. Data on mining and mineral deposits on White Cr. commonly lumped with those for Chititu Cr. See also (Chititu Cr.). Includes reference to (Jolly Gulch).

References
Brooks, 1904 (B 225), p. 47
Moffit and Capps, 1911 (B 448), p. 103-107
Brooks, 1914 (B 592), p. 62
Moffit, 1915 (B 622), p. 115. 117
Moffit, 1921 (B 714), p. 196
MacKevett and Cobb, 1972 (MF-395), loc. 90
MacKevett, 1976 (MF-773B), loc. 39

(White R... headwaters) Copper

Chisana district McCarthy (17.85-17.95, 12.4-12.5)
MF-773B, locs. 153, 155 61°42'N, 141°51'-141°52'W

Summary: Old prospects in Triassic Nikolai Greenstone. Thin bornite- and chalcocite-bearing veins; also small occurrences of malachite and chalcocite; greenstone sheared. [MacKevett, 1976 (MF-773B)]

References

Moffit and Knopf, 1910 (B 417), p. 57
Capps, 1916 (B 630), p. 122-123
Knaebel, 1970 (GC 21), p. 16
MacKevett and Cobb, 1972 (MF-395), loc. 82 [in part]
MacKevett, 1976 (MF-773B), locs. 153, 155
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, locs. 92, 93

(White R., Middle Fork)

Copper

Chisana district
MF-773B, loc. 156

McCarthy (17.45, 12.05)
61°44'N, 141°54'W

Summary: Old prospect in copper-stained Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

References

Brooks, 1913 (B 542), p. 40
Capps, 1916 (B 630), p. 122
MacKevett, 1976 (MF-773B), loc. 156
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 94

Wiley — Copper, Gold

Chisana district — McCarthy (24.25, 17.5)
MF-773B, loc. 187 — 61°58'N, 141°04'W

Summary: Small outcrop of massive sulfides surrounded by surficial deposits. Probably of contact-metamorphic origin. Mainly pyrrhotite; minor chalcopyrite, arsenopyrite, and gold. Explored by a short adit. [MacKevett, 1976 (MF-773B)] Includes references to gold lode on Beaver Cr. and to Colorado.

References

Moffit and Knopf, 1909 (B 379), p. 177
Moffit and Knopf, 1910 (B 417), p. 59
Capps, 1915 (B 622), p. 224
Capps, 1916 (B 630), p. 90, 118
Moffit, 1943 (B 933-B), p. 163-164
Berg and Cobb, 1967 (B 1246), p. 205, 208
Knaebel, 1970 (GC 21), p. 16
MacKevett and Cobb, 1972 (MF-195), loc. 86
MacKevett, 1976 (MF-773B), loc. 187
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 123

(Wiley Cr.) Copper

Chisana district McCarthy (18.9, 12.15)
MF-773B, loc. 152 61°41'N, 141°44'W

Summary: Native copper intergrown with zeolites in amygdules and malachite float of Permian lavas in talus. Arsenopyrite in shaly lentils in lava. [Knaebel, 1970 (GC 21)]

References

Capps, 1916 (B 630), p. 123
Knaebel, 1970 (GC 21), p. 16
MacKevett and Cobb, 1972 (MF-395), loc. 84
MacKevett, 1976 (MF-773B), loc. 152

Woodin & Herman

Copper

Nizina district
MF-773B, loc. 99

McCarthy (7.1, 9.2)
61°32'N, 143°09'W

Summary: Short adit and remains of numerous surface workings in faulted and strongly jointed Triassic Nikolai Greenstone. Deposit contains secondary copper minerals (mainly malachite) and minor bornite and chalcopyrite. A little ore has been shipped. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] Includes references to: Bekka, Eli, (Fourth of July Cr.).

References

Moffit and Maddren, 1908 (B 345), p. 160-161
Moffit and Maddren, 1909 (B 374), p. 79-80
Moffit, 1918 (B 662), p. 163
Miller, 1946 (B 947-F), p. 98, 118-119
Berg and Cobb, 1967 (B 1246), p. 62
MacKevett, 1972 (GQ-979)
MacKevett and Cobb, 1972 (MF-395), loc. 37
MacKevett, 1976 (MF-773B), loc. 99
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 54

Yellow Band (Gold Mining Co.) Gold

Nizina district McCarthy (5.25, 0.55)
MF-773B, loc. 9 61°02'N, 143°23'W

Summary: Several auriferous quartz veins, generally less than 25 cm thick, along walls of steep felsic dikes that cut Mesozoic Valdez Gp. Produced about 750 oz. of gold. Sloughed open cuts and a few hundred meters of underground workings. [MacKevett, 1976 (MF-773B)] Includes references to Sheriff and general references to lode gold mines near head of Golconda Cr.

References

Moffit, 1937 (B 880-B), p. 101-102
Smith, 1939 (B 910-A), p. 32
Smith, 1939 (B 917-A), p. 30-31
Smith, 1941 (B 926-A), p. 27
Smith, 1942 (B 933-A), p. 25-26
Berg and Cobb, 1967 (B 1246), p. 63
MacKevett and Cobb, 1972 (MF-395), loc. 32
Henning and Dobey, 1973 (AOF 25), p. 13-14
MacKevett, 1976 (MF-773B), loc. 9
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 6
MacKevett and others, 1977 (C 739), p. 4

(Young Cr.) Copper, Gold

Nizina district
MF-395, locs. 92-94

McCarthy (11.4-14.25, 3.8-4.8)
61°12'-61°16'N, 142°19'-142°39'W

Summary: Placer deposits along Young Cr. and some of its tributaries were mined in early part of 20th century; production was probably small. Most of mining was near mouth of Calamity Gulch (MF-396, loc. 92). Native copper nuggets reported. Basin underlain mainly by Cretaceous marine sedimentary rocks intruded by small bodies of Tertiary granodiorite. [MacKevett, 1976 (MF-773B); Miller, 1946 (B 947-F)] See also (Calamity Gulch).

References

Moffit and Capps, 1911 (B 448), p. 98, 107-108
Moffit, 1912 (B 520), p. 107
Moffit, 1913 (B 542), p. 84
Moffit, 1915 (B 622), p. 115
Brooks and Capps, 1924 (B 755), p. 27-28
Moffit, 1938 (B 894), p. 126
Miller, 1946 (B 947-F), p. 98
Berg and Cobb, 1967 (B 1246), p. 53
MacKevett and Cobb, 1972 (MF-395), locs. 92-94
Cobb, 1973 (B 1374), p. 30
Henning and Dobey, 1973 (AOF 25), p. 7
MacKevett, 1973 (MF-536)
MacKevett, 1976 (MF-773B), loc. 37
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 11

Unnamed occurrences — Antimony

Nizina district — McCarthy (14.05, 6.2)
MF-773B, loc. 50 — 61°21'N, 142°20'W

Summary: Series of stibnite-bearing quartz-calcite veins as much as 25 cm thick cuts Triassic Nizina Ls. Geochemical sample contained more than 10,000 ppm Sb, 7,000 ppm W, 700 ppm As, and 1.2 ppm Au. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 6-7, 10-11, 15 (locs. 62, 63, 65, 66)
MacKevett, 1970 (B 1333), p. 30
MacKevett and Cobb, 1972 (MF-395), loc. 72
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 50
MacKevett and Holloway, 1977 (Of 77-169A), p. 31, loc. 19

Unnamed occurrence — Antimony

Nizina district — McCarthy (7.05, 10.95)
MF-773B, loc. 120 — 61°37'N, 143°09'W

Summary: Thin stibnite-bearing vein in Triassic Chitistone Ls.; sample contained 2,000 ppm Sb. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 120

Unnamed occurrence	Antimony, Copper
Nizina district	McCarthy (12.85, 5.75)
MF-773B, loc. 55A	61°19'N, 142°29'W

Summary: Altered quartz-rich veins a few centimeters thick cut a Tertiary felsic dike; contain pyrite and rare chalcopyrite and stibnite. Semiquantitative spectrographic analysis of a channel sample 0.5 m long showed 2 ppm Ag, 0.03 ppm Au, 700 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 10-11, 15 (loc. 70)
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 55A

Unnamed occurrence	Barite
Nizina district	McCarthy (12.7, 8.75)
MF-773B, loc. 86	61°29'N, 142°29'W

Summary: Calcite- and barite-bearing altered zone 9 m wide along major thrust fault [in Triassic Chitistone and Nizina Limestones (MacKevett and Smith, 1972 (GQ-943)]. Geochemical sample contained 2,000 ppm As, 0.03 ppm Au, more than 5,000 ppm Ba, 500 ppm Ni, more than 20% Fe. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 8-9, 14 (loc. 21)
MacKevett, 1976 (MF-773B), loc. 86

Unnamed occurrence	Chromite
Nizina district MF-773B, loc. 20	McCarthy (8.5, 1.5) 61°05'N, 143°00'W

Summary: Serpentinized ultramafic rock contains minor chromite and disseminated sulfides. Geochemical sample contained more than 10% Mg, 100 ppm Co, 3,000 ppm Cr, 2,000 ppm Ni. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 20

Unnamed occurrence

Nizina district
MF-773B, loc. 21

Chromite

McCarthy (7.25, 2.1)
61°07'N, 143°08'W

Summary: Sheared and serpentinized alpine-type ultramafic body similar to that at 62°05'N, 143°00'W (8.5, 1.5), which contains minor chromite and disseminated sulfides. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 21

Unnamed occurrence	Copper
Nizina district	McCarthy (15.0, 0.75)
MF-773B, loc. 6	61°02'N, 142°15'W

Summary: Chalcopyrite-bearing quartz vein as much as 30 cm thick cuts Jurassic quartz monzonite. Geochemical sample contained 10 ppm Ag, 2 ppm Au, 20,000 ppm Cu, 150 ppm Mo. [MacKevett, 1976 (MF-773B); MacKevett and Holloway, 1977 (OF 77-169A)]

References

MacKevett, 1976 (MF-773B), loc. 6
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 3

Unnamed occurrence — Copper

Nizina district — McCarthy (19.3, 1.1)
MF-773B, loc. 16 — 61°03'N, 141°43'W

Summary: Malachite coats fracture surfaces of Triassic Nikolai Greenstone; minor copper minerals in quartz-epidote veinlets. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 16

Unnamed occurrence	Copper
Nizina district MF-773B, loc. 36	McCarthy (15.3, 4.9) 61°16'N, 142°12'W

Summary: Secondary copper minerals in vein as much as 1 m thick in an altered zone 5 m thick that cuts Triassic Nikolai Greenstone. Geochemical sample contained more than 20,000 ppm Cu, 50 ppm Ag, and 1.3 ppm Au. [MacKevett, 1976 (MF-773B); MacKevett and Smith, 1968 (C 604)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 6, 12-13, 15 (loc. 108)
MacKevett and Cobb, 1972 (MF-395), loc. 76
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 36
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 10

Unnamed occurrence	Copper
Nizina district MF-773B, loc. 46	McCarthy (15.4, 6.1) 61°20'N, 142°10'W

Summary: Narrow chalcocite- and malachite-bearing veins in fault zone, 2 m wide, chat cuts Triassic Nikolai Greenstone. Geochemical sample contained more than 20,000 ppm Cu, 1,000 ppm As, and 7 ppm Ag. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 10-11, 15 (loc. 96)
MacKevett and Cobb, 1972 (MF-395), loc. 73
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 46
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 16

Unnamed occurrence — Copper

Nizina district — McCarthy (15.5, 6.3)
MF-773B, loc. 47 — 61°21'N, 142°10'W

Summary: Azurite and malachite in narrow shear zone that cuts Permian sedimentary rocks. Geochemical sample contained 20,000 ppm Cu and 2 ppm Ag. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 10-11, 15 (loc. 94)
MacKevett and Cobb, 1972 (MF-395), loc. 74
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 47

Unnamed prospect — Copper

Nizina district — McCarthy (13.2, 6.7)
MF-773B, loc. 54 — 61°21'N, 142°25'W

Summary: Sporadically distributed veins as much as 5 cm wide along joints in Triassic Nikolai Greenstone contain chalcocite, chalcopyrite, pyrrhotite, covellite, and malachite. Explored by a 15-ft.-long adit. Geochemical sample contained 30 ppm Ag and more than 20,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 10-11, 14 (loc. 53)
MacKevett and Cobb, 1972 (MF-395), loc. 68
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 54
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 21

Unnamed occurrence	Copper
Nizina district	McCarthy (15.1, 6.5)
MF-773B, loc. 48	61°22'N, 142°12'W

Summary: Copper minerals in Triassic Nikolai Greenstone bordering a 15-m-wide alteration zone along a fault. [MacKevett and Smith, 1968 (C 604); MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 7, 10-11, 15 (loc. 91)
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 48
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 17

Unnamed prospect — Copper(?)

Nizina district — McCarthy (13.5, 7.85)
MF-773B, loc. 68 — 61°26'N, 142°24'W

Summary: Site of old prospect with minor surface workings. Altered calcite-rich vein as much as 1 m thick in lower part of Triassic Chitistone Ls. Geochemical sample contained 1 ppm Ag, 1,000 ppm As, 0.1 ppm Au, 2,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 8-9, 14 (loc. 26)
MacKevett, 1976 (MF-773B), loc. 68
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 32

Unnamed occurrence — Copper

Nizina district — McCarthy (14.5, 8.15)
MF-773B, loc. 70 — 61°27'N, 142°16'W

Summary: Malachite- and azurite-bearing vein 0.5-1 m thick in fault that cuts Triassic Nikolai Greenstone. Geochemical sample contained 2 ppm Ag, 500 ppm As, 20,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 6, 12-13, 15 (loc. 111)
MacKevett and Cobb, 1972 (MF-395), loc. 58
MacKevett and Smith, 1972 (CQ-943)
MacKevett, 1976 (MF-773B), loc. 70
MacKevett and Holloway, 1977 (OF 77-169A), p. 31, loc. 35

Unnamed prospect — Copper

Nizina district — McCarthy (13.1, 8.45)
MF-773B, loc. 85 — 61°28'N, 142°27'W

Summary: Prospect where there has been recent work. Small mass of copper minerals in Triassic Nikolai Greenstone near apex of an overturned fold. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 8-9, 14 (loc. 22)
MacKevett and Cobb, 1972 (MF-395), loc. 52
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 85
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 46

Unnamed occurrence	Copper
Nizina district MF-773B, loc. 83	McCarthy (14.55, 8.9) 61°30'N, 142°16'W

Summary: Chalcocite- and malachite-bearing veinlets and copper-stained amygdules in lower part of Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

References

MacKevett and Cobb, 1972 (MF-395), loc. 56
MacKevett and Smith, 1972 (GQ-943)
MacKevett, 1976 (MF-773B), loc. 83

Unnamed occurrence	Copper
Nizina district	McCarthy (14.5, 9.3)
MF-773B, loc. 84	61°31'N, 142°16'W

Summary: Secondary copper minerals, mainly malachite, along fractures and as surface coatings within a fault cutting Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1970 (GQ-844), p. 8
MacKevett and Cobb, 1972 (MF-395), loc. 55
MacKevett, 1976 (MF-773B), loc. 84

Unnamed occurrence	Copper
Chisana district	McCarthy (22.4, 9.7)
MF-773B, loc. 80	61°32'N, 141°25'W

Summary: Native copper, chalcocite, and their alteration products in a poorly exposed outcrop of Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 80
MacKevett and Holloway, 1977 (OF 77-169A), p. 32, loc. 43

Unnamed prospect — Copper

Nizina district — McCarthy (8.75, 9.65)
MF-773B, loc. 96 — 61°33'N, 142°57'W

Summary: Chalcocite- and bornite-bearing veins as much as 15 cm thick in Triassic Nikolai Greenstone near contact with Chitistone Ls. Remnants of surface workings. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 96
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 52

Unnamed occurrence	Copper
Nizina district	McCarthy (7.75, 9.6)
MF-773B, loc. 95	61°33'N, 143°05'W

Summary: Small malachite-coated chalcocite pod in Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 95

Unnamed occurrence	Copper
Chisana district	McCarthy (23.45, 10.45)
MF-773B, loc. 111	61°34'N, 141°12'W

Summary: Copper minerals, mainly malachite, in veinlets within a shear zone that cuts Triassic Daonella beds; mineralized outcrop about 3 x 30 m. Geochemical sample contained 100 ppm Ag, 1,500 ppm As, and more than 20,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 111
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 64

Unnamed occurrence	Copper
Chistochina district	McCarthy (0.9, 10.0)
MF-773B, loc. 140	61°34'N, 143°54'W

Summary: Bornite-bearing veins as much as 6 cm thick in an altered fault zone about 2 m thick that cuts Triassic Nikolai Greenstone. Geochemical sample contained 200 ppm Ag, more than 20,000 ppm Cu, 7 ppm Mo. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 140
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 86
MacKevett and others, 1978 (GQ-1418), loc. 30

Unnamed occurrence	Copper
Chisana district	McCarthy (25.1, 10.65)
MF-773B, loc. 109	61°35'N, 141°00'W

Summary: Native copper in Triassic Nikolai Greenstone. The copper ranges from shot-size pellets to ramifying masses weighing a few pounds. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 109
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 62

Unnamed occurrence	Copper
Chistochina district	McCarthy (0.9, 10.3)
MF-773B, loc. 142	61°35'N, 143°54'W

Summary: Several subparallel bornite-bearing copper-stained veinlets in Triassic Nikolai Greenstone. Geochemical sample contained 1.3 ppm Au, 50 ppm Ag, more than 10,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 142
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 87

Unnamed occurrence	Copper
Chistochina district	McCarthy (5.95, 10.5)
MF-773B, loc. 119	61°36'N, 143°17'W

Summary: Secondary copper minerals in sheared Traissic Nikolai Greenstone. Geochemical sample contained 7 ppm Ag, 500 ppm Cr, and 15,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 119
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 72

Unnamed occurrence — Copper

Chisana district — McCarthy (20.6, 11.25)
MF-773B, loc. 111A — 61°37'N, 141°32'W

Summary: Copper-bearing veinlets and disseminations in altered volcanic rocks of upper Paleozoic Station Creek Fm. Geochemical sample contained 0.9 ppm Au, 15 ppm Ag, 10,000 ppm Cu. (MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 111A
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 65

Unnamed occurrence — Copper

Nizina district — McCarthy (13.15, 11.05)
MF-773B, loc. 114 — 61°37'N, 142°26'W

Summary: Chalcocite- and malachite-bearing quartz-calcite veinlets and veins as much as 20 cm thick along faults in Triassic Nikolai Greenstone in fault contact with Cretaceous Moonshine Creek Fm. [MacKevett, 1976 (MF-773B); MacKevett, 1970 (GQ-844)]

References

MacKevett, 1970 (GQ-844), p. 7-8
MacKevett and Cobb, 1972 (MF-395), loc. 79
MacKevett, 1976 (MF-773B), loc. 114
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 68

Unnamed occurrence	Copper
Chisana district MF-773B, loc. 112	McCarthy (19.0, 11.4) 61°38'N, 141°44'W

Summary: Iron- and copper-stained Triassic Nikolai Greenstone; probably old copper prospect in vicinity, but workings are obliteraced. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 112
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 66

Unnamed occurrence — Copper

Nizina district — McCarthy (13.8, 11.3)
MF-773B, loc. 113 — 61°38'N, 142°21'W

Summary: Chalcopyrite- and azurite-bearing quartz veins as much as 10 cm thick that cut Cenozoic Wrangell Lava. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1970 (GQ-844), p. 8
MacKevett and Cobb, 1972 (MF-395), loc. 80
MacKevett, 1976 (MF-773B), loc. 113
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 67

Unnnamed occurrence	Copper
Nizina district	McCarthy (13.25, 11.25)
Near MF-773, loc. 114	61°38'N, 142°24'W

Summary: Chalcocite- and malachite-bearing quartz-calcite veinlets and veins in Triassic Nikolai Greenstone along a fault that separates it from Permian Hasen Creek Fm. [MacKevett, 1970 (GQ-844)]

References

MacKevett, 1970 (GQ-844), p. 8
MacKevett and Cobb, 1972 (MF-395), loc. 79
MacKevett and Holloway, 1977 (OF 77-169A), p. 33, loc. 68

Unnamed occurrence	Copper
Chistochina district	McCarthy (3.05, 11.05)
MF-773B, loc. 128	61°38'N, 143°38'W

Summary: Triassic Nikolai Greenstone with epidote-quartz amygdules that contain native copper and tenorite.

References

MacKevett, 1976 (MF-773B), loc. 128
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 77
MacKevett and others, 1978 (GQ-1418), loc. 23

Unnamed occurrence	Copper
Chistochina district MF-773B, loc. 178	McCarthy (1.0, 13.0) 61°45'N, 143°53'W

Summary: A porphyry-type deposit that contains numerous pyrite- and chalcopyrite-bearing quartz veinlets and local disseminated sulfides in Jurassic granodiorite. Semiquantitative spectrographic analyses of samples showed as much as 0.1 ppm Au, 2 ppm Ag, 5,000 ppm Cu, 70 ppm Mo, more than 5,000 ppm Ba, 100 ppm Sb. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 178
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 113
MacKevett and others, 1978 (GQ-1418), loc. 3

Unnamed occurrence — Copper

Chisana district — McCarthy (17.15, 15.9)
MF-773B, loc. 184A — 61°54'N, 141°56'W

Summary: Native copper, malachite, and cuprite in amygdules within a small isolated outcrop of Triassic Nikolai Greenstone. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 184A
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 120

Unnamed occurrence	Copper
Chisana district	McCarthy (15.25, 16165)
MF-773B, loc. 189	61°56'N, 142°10'W

Summary: Thin chalcocite- and bornite-bearing quartz veins in brecciated Tertiary felsite. Geochemical sample contained 15 ppm Ag and more than 20,000 ppm Cu. [MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 189
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 125

Unnamed occurrence	Copper, Iron
Nizina district	McCarthy (3.15, 9.85)
MF-773B, loc. 121	61°34'N, 143°37'W

Summary: A small exposure of magnetite-rich skarn that contains scattered chalcopyrite in Triassic marble. Geochemical sample contained 0.06 ppm Au, 1,500 ppm Cu, 7 ppm Mo, and more than 20% Fe. [MacKevett, 1976 (MF-773B); MacKevett and Holloway, 1977 (OF 77-169A)]

References

MacKevett, 1976 (MF-773B), loc. 121
MacKevett and Holloway, 1977 (OF 77-169A), p. 34, loc. 73
MacKevett and others, 1978 (GQ-1418), loc. 35

Unnamed occurrence	Copper
Chisana district	McCarthy (24.45, 17.1)
MF-773B, loc. 185	61°58'N, 141°02'W

Summary: Pyrite and minor chalcopyrite dissseminated in marine argillite of Jurassic-Cretaceous Nutzotin Mountains sequence (informal name) and a small gabbro mass near a fault. [MacKevett, 1976 (MF-773B); MacKevett, 1978 (I-1032)]

References

Knaebel, 1970 (GC 21), p. 16
MacKevett, 1976 (MF-773B), loc. 185
MacKevett and Holloway, 1977 (OF 77-169A), p. 36, loc. 121

Unnamed occurrence	Copper, Zinc
Nizina district	McCarthy (16.5, 7.1)
MF-773B, loc. 61	61°23'N, 142°02'W

Summary: Float of an altered vein contains pyrite, chalcopyrite, and sphalerite. Geochemical sample contained 1 ppm Ag, 10,000 ppm Cu, 200 ppm Pb, 2,000 ppm Zn. In terrane of Tertiary granodiorite. [MacKevett, 1976 (MF-773B)]

Reference

MacKevett, 1976 (MF-773B), loc. 61

Unnamed prospect — Gold(?)

Nizina district — McCarthy (4.95, 0.15)
MF-773B, loc. 7 — 61°00'N, 143°25'W

Summary: Minor surficial workings on thin quarta veins that cut metamorposed flysch of Valdez Gp. and felsic dikes. Geologic setting similar to that at Yellowband; prospect may be part of Yellowband group. [MacKevett and Holloway, 1977 (OF 77-169A); MacKevett, 1976 (MF-773B)] See also Yellowband.

References

MacKevett, 1976 (MF-773B), loc. 7
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 4

Unnamed occurrence — Gold

Nizina district — McCarthy (15.45, 5.6)
MF-773B, loc. 45 — 61°18'N, 142°10'W

Summary: Irregular gold-bearing altered zone in volcaniclastic rocks of Pennsylvanian and Permian Station Creek Fm. Geochemical sample contained 5.2 ppm Au. [MacKevett and Holloway, 1977 (OF 77-169A); MacKevett, 1976 (MF-773B)]

References

MacKevett and Smith, 1968 (C 604), p. 3, 10-11, 15 (loc. 103)
MacKevett, 1976 (MF-773B), loc. 45
MacKevett and Holloway, 1977 (OF 77-169A), p. 30, loc. 15

Unnamed prospect	Gold
Nizina district	McCarthy (12.55, 5.75) 61°19'N, 142°31'W

Summary: Unnamed gold prospect on a vein near Rex Cr. Area underlain by Upper Cretaceous Chititu Fm. cut by many dikes of Tertiary dacitic hypabyssal rocks. [MacKevett, 1978 (GQ-1146)]

Reference

MacKevett, 1974 (GQ-1146)

Unnamed occurrence — Iron

Nizina district — McCarthy (21.9, 0.6)
MF-773B, loc. 1 — 61°01'N, 141°25'W

Summary: Networks of specular hematite veinlets cut altered Pennsylvanian quartz monzonite. Sparsely disseminated pyrite in some of quartz monzinite.

Reference

MacKevett, 1976 (MF-773B), loc. 1

Unnamed occurrence — Lead, Zinc

Chistochina district — McCarthy (1.0, 11.5)
MF-773B, loc. 165 — 61°39'N, 143°53'W

Summary: Altered zone in Triassic Chitistone Ls. about 2 m thick contains sphalerite and galena and their alteration products. Geochemical sample contained more than 5,000 ppm Mn, 15 ppm Ag, 70 ppm Cd, 20 ppm Mo, 3,000 ppm Pb, more than 10,000 ppm Zn. [MacKevett and Holloway, 1977 (OF 77-169A); MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 165
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 101
MacKevett and others, 1978 (GQ-1418), loc. 17

Unnamed occurrence

Molybdenum

Chistochina district
MF-773B, loc. 174

McCarthy (1.95, 13.15)
61°45'N, 143°46'W

Summary: Widely spaced quartz veins containing minor molybdenite cut Triassic Nikolai Greenstone. Geochemical sample contained more than 1% Ti, 700 ppm Cr, 300 ppm Mo. [MacKevett and Holloway, 1977 (OF 77-169A); MacKevett, 1976 (MF-773B)]

References

MacKevett, 1976 (MF-773B), loc. 174
MacKevett and Holloway, 1977 (OF 77-169A), p. 35, loc. 110

Synonyms, Claim Names, Owners, and Operators

Acme Mining Co. -- see Wiley
Alaska (Consolidated) Copper Co. -- see Copper Queen, (Nugget Cr.)
Alaska Copper Mines Co. -- see Nelson (Glacier Cr.), Radovan
Alaska Copper Mines, Inc. -- see Radovan
Alaska Kotsina Copper Co. -- see (Peacock Cr.), (Surprise Cr.)
Alaska United (Copper) Exploration Co. -- see Bear Paw, Big Horn, (Contact Gulch), Golden Eagle, (Porcupine Cr.), Snow Bird, Westover
Alaska Westover Copper Co. -- see Westover
(Ames Cr.) -- see (Amy Cr.)
Ammann -- see (Fall Cr.), Good Enough, Lost Cabin, (Roaring Cr.), Skyscraper
Andrus -- see (Chititu Cr.), (Rex Cr.)
Baldwin -- see Yellow Band
Barrett -- see (Crumb Gulch), Green Butte
Barrett, Young & Nafsted -- see (Mineral Cr.), (Porcupine Cr.)
Baultoff -- see Tjosevig
Bekka -- see Woodin & Herman
Berg -- see (Berg Cr.)
Big Ben -- see Tjosevig
(Bigfoot Cr.) -- see Calcite, War Eagle
Binocular -- see Radovan
Birch -- see (Dan Cr.)
Bird Larsen -- see (Lime Cr., trib. Rock Cr.)
Blackburn -- see (Porcupine Cr.)
Blackstone -- see (Porcupine Cr.)
(Bligh Gulch) -- see (Chititu Cr.)
Bonanza -- see Kennecott
Bonanza Gold Mining Co. -- see (Porphyry Mtn.)
(Boulder Cr.) -- see Snow Bird
Broken Leg -- see (Chokosna R.)
Brooks -- see (Rex Cr.)
California-Alaska Mining & Development Co. -- see (Roaring Cr.)
Carvey -- see (Rex Cr.)
Cascade Quartz -- see Nelson (Glacier Cr.)
Castle -- see Skyscraper
Chiti -- see Erickson
Chitina-Kuskulana Copper Co. -- see Calcite, War Eagle
Chititu Mines -- see (Chititu Cr.), (Rex Cr.)
Chittyna Exploration Co. -- see Nikolai
Colorado -- see Wiley
Copper King (Kotsina R.) -- see (Shower Gulch)
Copper Mountain -- see (Clear Cr.)
Dalton -- see (Kletsan Cr.)
Dan Creek Gold & Copper Co. -- see (Dan Cr.)
Dan Creek Mining Co. -- see (Dan Cr.)

Davy -- see Skyscraper
Dillman -- see Westover
Drake -- see (Surprise Cr.)
Drake & Grenig -- see (Shower Gulch)
Eleanor -- see Skyscraper
Eli -- see Woodin & Herman
Engineer Syndicate -- see (Berg Cr.)
Erie -- see Kennecott
Esterly & Andrus -- see (Chititu Cr.), (Rex Cr.)
Fennesand Bros. -- see Silver Star
Finch -- see Big Horn
(Fourth of July Cr.) -- see Woodin & Herman
G & B -- see (Lime Cr., trib. Rock Cr.)
George M. -- see (Surprise Cr.)
Gilleneau, Bell & Barrett -- see (Lime Cr., trib. Rock Cr.)
Glacier -- see Kennecott
(Glacier Cr., trib. Hidden Cr.) -- see (Hidden Cr.)
Golconda -- see Bremner Mining Co.
Golconda Mining Co. -- see (Golconda Cr.)
Grand Prize -- see Bremner Mining Co.
Great Northern Development Co. -- see (Amy Cr.), (Clear Cr.), (Hidden Cr.), (Kotsina R.), Regal, (Roaring Cr.), Woodin & Herman
Gray's Copper -- see (Clear Cr.)
Green -- see Green Butte
Green Associates -- see (Dan Cr.)
Green Bluff -- see Green Butte
Green Bush -- see Green Butte
Green Contact -- see Green Butte
Green Fissure -- see Green Butte
Green Goat -- see Green Butte
Green Grass -- see Green Butte
Green Grouse -- see Green Butte
Green Hand -- see Green Butte
Green Horn -- see Green Butte
Green Isle -- see Green Butte
Green Lime -- see Green Butte
Green Mining Association -- see Nikolai
Green Moose -- see Green Butte
Green Ore -- see Green Butte
Green River -- see Green Butte
Green Shamrock -- see Green Butte
Green Sheep -- see Green Butte
Greenstone -- see Radovan
Green Stone -- see Green Butte
Green Summit -- see Green Butte
Green Tree -- see Green Butte
Grenig -- see (Surprise Cr.)
Hammon -- see (Chititu Cr.)

Happell, Hawes, Gillis & Wheaton -- see (Golconda Cr.)
Hero -- see Kennecott
Hidden Treasure -- see (Fall Cr.)
Homestake -- see (Fall Cr.)
Hubbard -- see (Surprise Cr.)
(Idaho Gulch) -- see (Copper Cr.)
Independence -- see Kennecott
Iowa -- see Erickson
Jackson -- see Tjosevig
Joe Dandy -- see (Surprise Cr.)
(Jolly Gulch) -- see (White Cr.)
Josevig-Kennicott Corp. -- see (Hidden Cr.)
Jumbo -- see Kennecott
Kennecott-Bonanza -- see Kennecott
Kennecott Mines Co. -- see Kennecott
Kernan -- see (Rex Cr.)
Keystone -- see (Shower Gulch)
Killian -- see Yellow Band
(Kluvesna Cr.) -- see (Fall Cr.)
Kotsina Mining Co. -- see (Fall Cr.), Skyscraper
Laddie -- see (Surprise Cr.)
Lakina (Copper Co.) -- see (Lakina R.)
Last -- see Nikolai
LaTendre -- see Le Tendre
Letendra, Meloy & Killian -- see Yellow Band
Low Contact -- see Radovan
Lucky Girl -- see Bremner Mining Co.
MacDougall -- see Calcite, War Eagle
(MacDougall Cr.) -- see Calcite, War Eagle
McCarthy -- see (Nugget Cr.)
McConnell & Johnson -- see Mayflower
McGavrock & Erickson -- see Erickson
Mahar -- see Peavine
Mammoth -- see Bremner Mining Co.
Marvelous -- see Kennecott
Meloy (& O'Hara) -- see Yellow Band
Midas -- see (Berg Cr.)
Mineral King -- see (Chokosna R.)
Mint --see (Peacock Cr.)
Monahan, Banty & Anderson -- see (Golconda Cr.)
Morning Star -- see Skyscraper
Mother Lode (Coalition Mines Co.) -- see Kennecott
Mother Lode Copper Mines Co. -- see Kennecott
Mountain -- see (Peacock Cr.)
Mount Wrangell Copper Co. -- see Copper Queen, (Chokosna R.)
Murie -- see (Chititu Cr.)
Nebraska -- see (Hidden Cr.)
New Home -- see (Fall Cr.)

Nicholi -- see Nikolai
Nikolai Butte Copper Co. -- see (Nikolai Butte)
Nikolai Placer Co. -- see (Dan Cr.)
Nikolai Placer Mines -- see (Dan Cr.)
Nizina Mining Co. -- see (Chititu Cr.), (Rex Cr.)
Northern Commercial Co. -- see (White R., Middle Fork)
North Midas (Copper Co.) -- see (Berg Cr.)
Old Hero -- see Kennecott
Old Independent -- see Kennecott
One Girl -- see (Nugget Cr.)
O'Neill -- see Westover
Pardners Mines Corp. -- see (Dan Cr.)
Powell -- see (Rex Cr.)
(Rader Gulch) -- see (Copper Cr.)
Ramer Bros. -- see Bremner Mining Co.
Ramos Bros. -- see Bremner Mining Co.
Rarus -- see Copper Queen
Red Rover -- see Nikolai
Rex Creek Mining Co. -- see (Rex Cr.)
Rose -- see (Peacock Cr.)
Satterfields -- see Green Butte
(Seattle Gulch) -- see (Copper Cr.)
Sheehan -- see (Surprise Cr.)
Sheriff -- see Yellow Band
Side Partner -- see Nikolai
Simms Co. -- see Wiley
Siwash Jack -- see Nikolai
Skolai Mining Co. -- see (White R., headwaters), (Wiley Cr.)
Slide -- see Houghton Alaska Exploration Co. (McCarthy Cr.)
Snowshoe -- see Skyscraper
Spruce -- see Nelson (Glacier Cr.)
(Standard Cr.) -- see (Golconda Cr.)
(Summit Cr.) -- see (Golconda Cr.)
Sunrise -- see (Fall Cr.)
Sunset -- see (Fall Cr.)
(Sunshine Cr.) -- see (Surprise Cr.)
Surprise -- see Nikolai
(Swede Gulch) -- see (Young Cr.)
Tjosevig Bros. -- see (Hidden Cr.)
Triassic -- see Radovan
True Blue -- see (Surprise Cr.)
United (Alaska) Copper Exploration Co. -- see Bear Paw, Big Horn, (Contact Gulch), Golden Eagle, (Porcupine Cr.), Snow Bird, Westover
United Verde -- see (Lime Cr., trib. Rock Cr.)
Valdez -- see (Mineral Cr.), (Nugget Cr.)
Valdez Exploration Co. -- see (Hidden Cr.)
Warner & Kain -- see (Dan Cr.)

West Skyscraper -- see Skyscraper
Whistler -- see Big Horn
White Dog -- see (Peacock Cr.)
(Williams Peak) -- see (Crumb Gulch)
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