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GEOLOGICAL SURVEY

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SUMMARIES OF DATA ON AND LISTS OF REFERENCES TO
METALLIC AND SELECTED NONMETALLIC MINERAL DEPOSITS
IN THE TALKEETNA MOUNTAINS QUADRANGLE, ALASKA

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

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 agencies) reports and maps are designed to aid in library research on the mineral resources of the Talkeetna Mountains 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 many claims about which little more than their locations is known (for example, localities 3 and 6 in Csejtey and Miller, 1978 (OF 78-558B)). These omissions should not be interpreted as a judgement that the claims are not on valid mineral occurrences, but only that there are insufficient data to describe any mineral deposit that might be present. Geochemical anomalies determined by analyses of rock and stream-sediment samples in which no metallic mineral was identified 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 and the names of owners and operators of mines and prospects; 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 for metallic commodities and then alphabetically for nonmetallic commodities); the mining district (Ransome and Kerns, 1954 (IC 7679) in which the occurrence is located; the name of the 1:250,000-scale topographic quadrangle (Talkeetna Mountains); coordinates (as described by Cobb and Kachadoor-

lan, 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 Csejcey and Miller, 1978 (OF 78-558B), but the cited locations for some are other maps, such as Cobb, 1972 (MF-370). 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 the feature is shown in parentheses in lieu of a proper name. 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 feature, it is titled "Unnamed prospect" or "Unnamed occurrence" and appears at the end of the list.

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

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

(Albert Cr.)

Gold, Placium

Nelchina district
MF-370, loc. 27

Talkeetna Mts. (21.8-22.25, 0.55-0.6)
62°00'-62°01'N, 147°08'-147°11'W

Summary: Intermittent mining, 1912 to at least as recently as 1961. Gold, accompanied by some platinum, fairly evenly distributed through about 5 ft. of poorly stratified gravel. Area underlain by Mesozoic volcanic and marine sedimentary rocks in which lode occurrences of gold have not been found. Fine gold in glacial and glaciofluvial deposits, but not in minable concentrations. Gold in placers probably derived from a formerly extensive cover of Tertiary terrestrial deposits. Gravel mined in 1913 ran more than \$10 per cu. yd. [gold at \$20.67]. [Cobb, 1972 (B 1374)] See also (Mazuma Cr.).

References

- Brooks, 1914 (B 592), p. 64
Martin and Mertie, 1914 (B 592), p. 277-278, 281
Brooks, 1915 (B 622), p. 44
Chapin, 1915 (B 622), p. 128
Chapin, 1918 (B 668), p. 59-62
Martin, 1920 (B 712), p. 23
Brooks and Capps, 1924 (B 755), p. 28
Capps, 1924 (B 755), p. 127
Smith, 1929 (B 797), p. 17
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 30
Smith, 1936 (B 868-A), p. 32
Smith, 1937 (B 880-A), p. 35
Smith, 1938 (B 897-A), p. 41
Smith, 1939 (B 910-A), p. 40
Smith, 1939 (B 917-A), p. 38
Smith, 1941 (B 926-A), p. 34
Smith, 1942 (B 933-A), p. 34
Moxham and Nelson, 1952 (C 184), p. 4
Jasper, 1965 (GC 4), p. 4
Cobb, 1972 (MF-370), loc. 27
Cobb, 1973 (B 1374), p. 29
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 20
Csejtrej and Miller, 1978 (OF 78-558B), loc. 111
Singer and others, 1978 (OF 78-558Q), loc. 111

Blue Lode

Copper

Yentna district
OF 78-558B, loc. 73

Talkeetna Mts. (7.7, 6.0)
62°20'N, 149°03'W

Summary: Gouge-filled shear zone in upper Paleozoic meta-andesite contains some quartz that carries chalcopryite; bornite and chalcopryite locally replaced some of wallrock. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 202-203
Capps, 1924 (B 755), p. 123-124
Cobb, 1972 (MF-370), loc. 10
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 7
Csejtey and Miller, 1978 (OF 78-558B), loc. 73
Singer and others, 1978 (OF 78-558Q), loc. 73

(Chunilna Cr.)

Gold(?)

Yentna district

Talkeetna Mts.

SW $\frac{1}{4}$ NW $\frac{1}{4}$ quad. (?)

Summary: Several miles of claims staked in 1898. [Paige and Knopf,
1907 (B 327)]

References

Paige and Knopf, 1907 (B 327), p. 64

Brooks, 1911 (P 70), p. 165

(Coal Cr.)

Silver, Tin, Zinc; Fluorite

Valdez Creek district
OF 78-558B, loc. 4

Talkeetna Mts. (1.15, 17.4)
63°00'N, 149°51'W

Summary: Small outcrop of greisenized Tertiary granite intruded into Silurian(?) to Middle Devonian marine sedimentary rocks contains cassiterite, tourmaline, quartz, topaz, fluorite, arsenopyrite, pyrite, pyrrhotite, and sphalerite. Analyses of 2 samples showed 2.9 and 4.3 oz. silver per ton. [Reed, 1978 (OF 78-77); Csejtey and Miller, 1978 (OF 78-558B)]

References

Reed, 1978 (OF 78-77)

Csejtey and Miller, 1978 (OF 78-558B), loc. 4

Singer and others, 1978 (OF 78-558Q), loc. 4

Copper King

Copper, Gold, Iron, Silver

Yentna district
OF 78-558B, loc. 81

Talkeetna Mts. (6.7, 5.9)
60°20'N, 149°11'W

Summary: Shear zone in upper Paleozoic meta-andesite. Sheared material partially replaced by chalcopryite, specular hematite, pyrite, and a little quartz. Said to be only a little gold and silver. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 201
Capps, 1924 (B 755), p. 122
Cobb, 1972 (MF-370), loc. 6
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 6
Csejtey and Miller, 1978 (OF 78-558B), loc. 81
Singer and others, 1978 (OF 78-558Q), loc. 81

Copper Queen

Copper, Gold

Yentna district
OF 78-558B, loc. 83

Talkeetna Mts. (6.4, 6.25)
62°21'N, 149°13'W

Summary: Pyrite, arseonpyrite, chalcopyrite, and a little quartz partially replaced fragments of country rock in a shear zone in upper Paleozoic amygdaloidal meta-andesite; carries several dollars per ton in gold. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 199-201
Capps, 1924 (B 755), p. 121-122
Cobb, 1972 (MF-370), loc. 5
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 5
Csejtey and Miller, 1978 (OF 78-558B), loc. 83
Singer and others, 1978 (OF 78-558Q), loc. 83

Copper Wonder

Copper, Iron

Yentna district
OF 78-558B, loc. 79

Talkeetna Mts. (7.1, 5.8)
62°20'N, 149°08'W

Summary: Specular hematite with some pyrite, bunches of chalcopyrite, and quartz in shear zone in upper Paleozoic meta-andesite. Scattered sulfides in country rock outside of shear zone.
[Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 201
Capps, 1924 (B 755), p. 122-123
Cobb, 1972 (MF-370), loc. 7
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 6
Csejtey and Miller, 1978 (OF 78-558B), loc. 79
Singer and others, 1978 (OF 78-558Q), loc. 79

(Cottonwood Cr.)

Gold(?)

Nelchina district

Talkeetna Mts. (22.75, 1.0) approx.
62°02'N, 147°14'W approx.

Summary: Bedrock not reached during prospecting in 1914. [Chapin,
1918 (B 668)]

References

Chapin, 1915 (B 622), p. 129

Chapin, 1918 (B 668), p. 62

(Crooked Cr.)

Gold

Nelchina district
OF 78-558B, loc. 108

Talkeetna Mts. (22.9, 1.65) approx.
62°04'N, 147°12'W approx.

Summary: Nearly all placer activity in basin was on tributaries. A shaft on main stream was 180 ft. deep and did not reach bed-rock; a few colors of gold from a blue-gray gravel bed 9 ft. thick about 100 ft. below surface. [Chapin, 1918 (B 668)]

References

- Martin and Mertie, 1914 (B 592), p. 278, 281
Chapin, 1915 (B 622), p. 127-128
Chapin, 1918 (B 668), p. 60-61
Capps, 1924 (B 755), p. 126
Cobb, 1972 (MF-370), loc. 29
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 22
Csejrey and Miller, 1978 (OF 78-558B), loc. 108
Singer and others, 1978 (OF 78-558Q), loc. 108

(Daisy Cr.)

Gold

Valdez Creek district
OF 78-588B, loc. 104

Talkeetna Mts. (23.1-23.3, 5.25-5.45)
62°01'-62°02'N, 147°09'-147°10'W

Summary: Fair placer gold prospects have been found. Ground shallow (5-12 ft.), but there were problems with ground water. Bedrock in much of basin is Jurassic rocks of Talkeetna Fm.; creek rises in area of Tertiary continental rocks. [Chapin, 1918 (B 668); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Chapin, 1915 (B 622), p. 129
Chapin, 1918 (B 668), p. 64
Cobb, 1972 (MF-370), locs. 24, 25
Cobb, 1973 (B 1374), p. 19
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 18
Csejtey and Miller, 1978 (OF 78-558B), loc. 104
Singer and others, 1978 (OF 78-558Q), loc. 104

Eastview

Copper

Yentna district
OF 78-558B, loc. 71

Talkeetna Mts. (7.7, 5.85)
62°20'N, 149°03'W

Summary: Large lumps of banded quartz, hematite, and chalcopyrite found during trenching that did not reach bedrock. Country rock is upper Paleozoic meta-andesite. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 203
Capps, 1924 (B 755), p. 124
Cobb, 1972 (MF-370), loc. 9
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 7
Csejtey and Miller, 1978 (OF 78-558B), loc. 71
Singer and others, 1978 (OF 78-558Q), loc. 71

(Fourth of July Cr.)

Gold

Valdez Creek district
OF 78-558B, loc. 102

Talkeetna Mts. (22.3, 5.45)
62°17'N, 147°16'W

Summary: Placer gold present, but as of 1914 development work had met with little success. Bedrock in basin mainly Jurassic volcanic rocks of Talkeetna Fm.; Jurassic sedimentary rocks near head of creek. [Chapin, 1918 (B 668); Csejtey and Miller, 1978 (OF 78-558B)]

References

Chapin, 1915 (B 622), p. 129

Chapin, 1918 (B 668), p. 64

Cobb, 1972 (MF-370), loc. 23

MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 17

Csejtey and Miller, 1978 (OF 78-558B), loc. 102

Singer and others, 1978 (OF 78-558Q), loc. 102

(Gold Cr., crib. Oshetna R.)

Gold

Valdez Creek district
MF-370, loc. 21

Talkeetna Mts. (18.45, 4.45)
62°14'N, 147°45'W

Summary: Coarse placer gold, but prospectors had difficulty getting to bedrock because of ground water. [Chapin, 1918 (B 668)]

References

Chapin, 1915 (B 622), p. 130

Chapin, 1918 (B 668), p. 64

Cobb, 1972 (MF-370), loc. 21

MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 15

Csejtey and Miller, 1978 (OF 78-558B), loc. 56

Singer and others, 1978 (OF 78-558Q), loc. 56

(Gold Cr., trib. Susitna R.)

Gold

Valdez Creek district
OF 78-558B, loc. 33 approx.

Talkeetna Mts. (2.45, 13.5) approx.
62°47'N, 149°42'W approx.

Summary: Creek gravels auriferous; sporadic attempts to mine them.
A little gold has been recovered, but no ground that could
be worked at a profit was found. [Capps, 1919 (B 692)]

References

Capps, 1919 (B 692), p. 231

MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 11

Csejtey and Miller, 1978 (OF 78-558B), loc. 33

Singer and others, 1978 (OF 78-558Q), loc. 33

(Granite Cr.)

Gold

Valdez Creek district
OF 78-558B, loc. 57

Talkeetna Mts. (17.45, S.55)
62°18'N, 147°51'W

Summary: Enough placer gold found to encourage further prospecting.
[Chapin, 1918 (B 668)]

References

Chapin, 1915 (B 622), p. 130
Chapin, 1918 (B 668), p. 64
Cobb, 1972 (MF-370), loc. 20
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 14
Csejtey and Miller, 1978 (OF 78-558B), loc. 57
Singer and others, 1978 (OF 78-558Q), loc. 57

(Horn Mts.)

Zeolites

Nelchina district Talkeetna Mts. (21.1-22.3, 0.5-1.0)
OF 78-558B, loc. 112 (in part) 62°00'-62°02'N, 147°18'-147°27'W

Summary: Extensive deposits of mordenite and other zeolites localized
in ruffaceous parts of Lower Jurassic Talkeetna Fm. Similar
deposits probably occur elsewhere in Talkeetna Mountains
quadrangle. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Hawkins, 1976 (SR 11)
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 23
Csejtey and Miller, 1978 (OF 78-558B), loc. 112
Singer and others, 1978 (OF 77-558Q), loc. 112

Ihly

Lead, Silver

Valdez Creek district
OF 78-558B, loc. 31

Talkeetna Mts. (3.75, 12.75)
62°43'N, 149°32'W

Summary: Argentiferous galena in quartz veinlets that cut an altered felsic dike in Lower Cretaceous rocks of marine argillite and graywacke unit. [Csejtey and Miller, 1978 (OF 78-558B)]

References

- Berg and Cobb, 1967 (B 1246), p. 27
Cobb, 1972 (MF-370), loc. 1
Karlson and others, 1977 (OF 77-530), p. 3-4
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 1
Csejtey and Miller, 1978 (OF 78-558B), loc. 31
Singer and others, 1978 (OF 78-558Q), loc. 31

(Indian R.)

Haydite

Valdez Creek district

Talkeetna Mts. (2.8, 14.75)
62°50'N, 149°38'W

Summary: Of 2 samples of argillite tested for bloating characteristics, one was considered to be a very good potential source of raw material for lightweight-aggregate production. [Warfield, 1962 (RI 6002)] According to Csejtey and Miller, 1978 (OF 78-558B), this argillite is part of a unit of Lower Cretaceous argillite and lithic graywacke of a marine, flyschlike sequence.

References

Rutledge and others, 1953 (RI 4932), p. 68-70, 80
Warfield, 1962 (RI 6002), p. 7-11

(Iron Cr.)

Copper, Gold, Iron, Silver

Yentna district

Talkeetna Mts. (6.4-7.95, 5.8-6.35)
62°20'-62°21'N, 149°01'-149°13'W

Summary: General term for lode deposits in area. See also: Blue Lode, Copper King, Copper Queen, Copper Wonder, Eastview, Phoenix, Talkeetna.

References

Brooks, 1911 (B 480), p. 32-33

Brooks, 1912 (B 520), p. 28

Brooks, 1915 (B 622), p. 47

Wedow and others, 1952 (OF 51), p. 47

Karlson and others, 1977 (OF 77-530), p. 3

Lichen

Copper, Gold, Silver

Valdez Creek district
OF 78-558B, loc. 18

Talkeetna Mts. (21.25, 16.15)
62°54'N, 147°21'W

Summary: Chalcopyrite, bornite, and other copper minerals scattered in a mafic volcanic flow of Pennsylvanian(?) and Early Permian age. Mineralized zone extends for about 900 m and is less than 2 m wide. Stratabound submarine volcanogenic deposit. Analyses of samples indicated as much as 68 ppm Ag and 16 ppm Au; Cu content varied from 0.62% to 4.50%. [Smith and others, 1875 (MP 3); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Smith and others, 1975 (MP 3)
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 24
Csejtey and Miller, 1978 (OF 78-558B), loc. 18
Singer and others, 1978 (OF 78-558Q), loc. 18

(Little Nelchina R.)

Gold(?)

Nelchina district

Talkeetna Mts.
SE $\frac{1}{4}$ SE $\frac{1}{4}$ quad.

Summary: As of 1914 a number of claims had been staked, but little work done. Nature and depth of gravels not known. Low benches along stream are composed of glacial material.
[Chapin, 1918 (B 668)]

References

Chapin, 1915 (B 622), p. 129

Chapin, 1918 (B 668), p. 63-64

(Mazuma Gr.)

Gold

Willow Creek district
MF-370, loc. 26

Talkeetna Mts. (17.7, 1.6) approx.
62°05'N, 147°51'W approx.

Summary: Minor placer gold production from creek, which drains an area underlain by Tertiary volcanic rocks and conglomerate. Gold must have been reconcentrated from conglomerate, which originally covered a much larger area than the remnants now preserved. [Cobb, 1973 (B 1374); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Martin and Mertie, 1914 (B 592), p. 279-281
Chapin, 1918 (B 668), p. 63
Cobb, 1972 (MF-370), loc. 26
Cobb, 1973 (B 1374), p. 19, 29
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 19
Csejtey and Miller, 1978 (OF 78-558B), loc. 99
Singer and others, 1978 (OF 78-558Q), loc. 99

Mint

Copper, Gold, Lead, Silver

Valdez Creek district
OF 78-558B, loc. 7

Talkeetna Mts. (5.15, 15.3)
62°52'N, 149°21'W

Summary: Quartz-sulfide veinlets and stockworks in brecciated Cretaceous argillite and graywacke cut by altered andesite dike; veinlets also in dike. Minerals identified include pyrargyrite, arsenopyrite, miargyrite, pyrite, and rare chalcopyrite, galena, and tennantite(?). Picked sample assayed 117.9 oz. silver per ton; other samples ran 1.20-32.2 oz. silver and as much as 0.14 oz. gold per ton. Minor development; an unknown, but probably small, amount of ore was shipped. [Capps and Short, 1926 (B 783); Csejtey and Miller, 1978 (OF 78-558B)] Includes references to (Portage Cr.).

References

- Brooks, 1925 (B 773), p. 13, 43-44
Capps and Short, 1926 (B 783), p. 89-95
Smith, 1929 (B 797), p. 37
Smith, 1930 (B 810), p. 50
Smith, 1932 (B 824), p. 23
Smith, 1933 (B 836), p. 23
Smith, 1937 (B 880-A), p. 66
Smith, 1939 (B 910-A), p. 81
Wedow and others, 1952 (OF 51), p. 78, 81
Richter, 1963 (GR 3), loc. 3
Berg and Cobb, 1967 (B 1246), p. 27
Cobb, 1972 (MF-370), loc. 2
Karlson and others, 1977 (OF 77-530), p. 4
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 2
Csejtey and Miller, 1978 (OF 78-558B), loc. 7
Singer and others, 1978 (OF 78-558Q), loc. 7

(Nan Cr.)

Copper, Silver

Yentna district
OF 78-558B, loc. 51

Talkeetna Mts. (11.95, 9.15)
62°31'N, 148°32'W

Summary: Piece of quartz float contained abundant pyrite and chalcopyrite, secondary iron and copper minerals, and 3 ppm Ag. Country rock is upper Paleozoic metavolcaniclastic unit. [Anderson, 1964 (GC 19); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Anderson, 1969 (GC 19), p. 11, 14-15
Cobb, 1972 (MF-370), loc. 18
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 10
Csejtey and Miller, 1978 (OF 78-558B), loc. 51
Singer and others, 1978 (OF 78-558Q), loc. 51

(North Cr.)

Gold

Nelchina district
MF-370, loc. 28

Talkeetna Mts. (22.1, 0.85) approx.
62°01'N, 147°19'W approx.

Summary: Placer claims have been staked and gold was reported to have been found. Bedrock in basin mainly Jurassic volcanic rocks of Talkeetna Fm. [Martin and Mertie, 1914 (B 592); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Martin and Mertie, 1914 (B 592), p. 278
Cobb, 1972 (MF-370), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 21
Csejtey and Miller, 1978 (OF 78-558B), loc. 110
Singer and others, 1978 (OF 78-558Q), loc. 110

Phoenix

Copper, Iron

Yentna district
OF 78-558B, loc. 72

Talkeetna Mts. (7.5, 5.9)
62°20'N, 149°05'W

Summary: Chalcopyrite, hematite, minor bornite, and quartz in and adjacent to narrow shear zone in upper Paleozoic andesite. Narrow veins of nearly pure hematite with very little associated sulfide material in vicinity. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 202
Capps, 1924 (B 755), p. 123
Cobb, 1972 (MF-370), loc. 8
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 7
Csejtey and Miller, 1978 (OF 78-558B), loc. 72
Singer and others, 1978 (OF 78-558Q), loc. 72

(Roaring Cr.)

Gold

Valdez Creek district
OF 78-558B, loc. 60

Talkeetna Mts. (17.0, 4.8)
62°15'N, 147°55'W

Summary: Encouraging placer gold prospects were found. [Chapin,
1918 (B 668)]

References

Chapin, 1915 (B 622), p. 130

Chapin, 1918 (B 668), p. 64

Cobb, 1972 (MF-370), loc. 19

MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 13

Csejcey and Miller, 1978 (OF 78-558B), loc. 60

Singer and others, 1978 (OF 78-558Q), loc. 60

(Sleigh Cr.)

Gold(?)

Nelchina district

Talkeetna Mts. (22.5, 0.65) approx.
62°01'N, 147°16'W approx.

Summary: Claims were staked and placer gold reported to have been found, 1913. [Martin and Mertie, 1915 (B 592)]

Reference

Martin and Mertie, 1914 (B 592), p. 278

(Susitna R.)

Gold

Valdez Creek district
OF 78-558B, loc. 33 approx.

Talkeetna Mts. (2.45, 13.5) approx.
62°47'N, 149°42'W approx.

Summary: Fine gold near top of river gravel deposits. Ground became leaner with depth. Some of gold has been recovered. [Capps, 1919 (B 692)]

References

- Brooks, 1911 (P 70), p. 164-165
Capps, 1919 (B 692), p. 321
Cobb, 1972 (MF-370), loc. 17
Cobb, 1973 (B 1374), p. 19
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 11
Csejtey and Miller, 1978 (OF 78-558B), loc. 33
Singer and others, 1978 (OF 78-558Q), loc. 33

Talkeetna

Copper, Gold, Iron, Silver

Yentna district
OF 78-558B, loc. 75

Talkeetna Mts. (7.95, 6.35)
62°21'N, 149°01'W

Summary: Replacement lodes along shear zones and in adjacent wall-rock (upper Paleozoic meta-andesite); most common metallic mineral is specular hematite; chalcopyrite, pyrite, and quartz also present. Assays show small amounts of gold and silver. Conspicuous gossan stained with copper carbonates. [Capps, 1919 (B 692); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Capps, 1919 (B 692), p. 203-204
Capps, 1924 (B 755), p. 124-125
Berg and Cobb, 1967 (B 1246), p. 37
Cobb, 1972 (MF-370), loc. 11
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 8
Csejtey and Miller, 1978 (OF 78-558B), loc. 75
Singer and others, 1978 (OF 78-558Q), loc. 75

(Talkeetna R.)

Copper

Yentna district
OF 78-558B, loc. 46

Talkeetna Mts. (10.9, 8.4)
62°28'N, 148°40'W

Summary: Minor chalcopyrite and pyrite in small alteration zone in upper Paleozoic argillite. [Csejtey and Miller, 1978 (OF 78-558B)]

References

- Rose, 1967 (GR 32), p. 5, loc. 5
Cobb, 1972 (MF-370), loc. 12
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 9
Csejtey and Miller, 1978 (OF 78-558B), loc. 46
Singer and others, 1978 (OF 78-558Q), loc. 46

(Treasure Cr.)

Copper, Gold, Molybdenum, Zinc; Fluorite

Valdez Creek district
OF 78-558B, loc. 9

Talkeetna Mts. (5.65, 15.5)
65°53'N, 149°18'W

Summary: Molybdenite with other sulfides (arsenopyrite, sphalerite, chalcopyrite) and fluorite and epidote in sheared Tertiary quartz monzonite and hornfelsed Cretaceous argillite and graywacke. One sample contained 0.18 oz. gold per ton. An adit (caved before 1963) was driven across a mineralized fault zone in quartz monzonite. [Richter, 1963 (GR 3); Csejtey and Miller, 1978 (OF 78-558B)] Reference to Smith, 1942 (B 926-C) may be to this prospect; if not is to unnamed prospect at 62°52'N, 149°19'W (5.5, 15.2).

References

- Smith, 1942 (B 926-C), p. 190
Richter, 1963 (GR 3), locs. 1, 2
Berg and Cobb, 1967 (B 1246), p. 29-30
Cobb, 1972 (MF-370), loc. 4
Karlson and others, 1977 (OF 77-530), p. 4
MacKevett and Holloway, 1977 (OF 77-196A), p. 72, loc. 4
Csejtey and Miller, 1978 (OF 78-558B), loc. 9
Singer and others, 1978 (OF 78-558Q), loc. 9

(Willow Cr.)

Gold(?)

Nelchina district
OF 78-558B, loc. 109 approx.

Talkeetna Mts. (22.45, 1.35) approx.
62°03'N, 147°16'W approx.

Summary: Has been prospecting for placer gold. [Chapin, 1918
(B 668)] Evidently not successful.

References

Chapin, 1915 (B 622), p. 129

Chapin, 1918 (B 668), p. 62

Csejtey and Miller, 1978 (OF 78-558B), loc. 109

Singer and others, 1978 (OF 78-558Q), loc. 109

(Yacko Cr.)

Gold

Valdez Creek district
MF-370, loc. 22

Talkeetna Mts. (21.8, 4.35) approx.
62°13'N, 147°20'W approx.

Summary: Coarse, flat gold in gravels. Bedrock not reached in early operations. Area underlain by Jurassic sedimentary and volcanic rocks. [Chapin, 1918 (B 668); Csejtey and Miller, 1978 (OF 78-558B)]

References

- Chapin, 1915 (B 622), p. 129
Chapin, 1918 (B 668), p. 64
Cobb, 1972 (MF-370), loc. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 16
Csejtey and Miller, 1978 (OF 78-558B), loc. 101
Singer and others, 1978 (OF 78-558Q), loc. 101

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 98

Talkeetna Mts. (7.6, 2.2)
62°07'N, 149°05'W

Summary: Float sample of malachite-stained granitic rock. Area is
underlain by Upper Cretaceous and Paleocene tonalite.
[Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 98
Singer and others, 1978 (OF 558Q), loc. 98

Unnamed occurrence

Copper

Willow Creek district
OF 78-558B, loc. 96

Talkeetna Mts. (6.1, 2.45)
62°08'N, 149°15'W

Summary: Float of vein quartz with pyrite, chalcopyrite, and malachite stains. Area underlain by Upper Cretaceous and Paleocene tonalite. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 96
Singer and others, 1978 (OF 558Q), loc. 96

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 67

Talkeetna Mts. (8.95, 4.95)
62°17'N, 148°54'W

Summary: Float of pyrite- and malachite-bearing altered granitic rock. Area underlain by Jurassic plutonic and metamorphic rocks. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 67
Singer and others, 1978 (OF 78-558Q), loc. 67

Unnamed prospect

Copper

Yentna district
OF 78-558B, loc. 68

Talkeetna Mts. (8.3, 4.95)
62°17'N, 148°59'W

Summary: Copper minerals, mainly malachite, in brecciated Jurassic granitic rocks. Was diamond drilling in early 1970's. Several claims in area. [Csejcey and Miller, 1978 (OF 78-558)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 26
Csejcey and Miller, 1978 (OF 78-558B), loc. 68
Singer and others, 1978 (OF 78-558Q), loc. 68

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 65

Talkeetna Mts. (9.65, 5.1)
62°20'N, 148°39'W

Summary: Vein quartz float contains pyrite and is malachite stained.
In area underlain by Tertiary volcanic rocks; Jurassic plutonic and metamorphic rocks nearby. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 65
Singer and others, 1978 (OF 558Q), loc. 65

Unnamed occurrence

Copper

Yentna district

Talkeetna Mts. (9.55, 6.3)

OF 78-558B, loc. 64

62°21'N, 148°40'W

Summary: Float of vein quartz contains pyrite, chalcopyrite, and possibly pyrrhotite. At or near shear zone (possibly a thrust fault) between upper Paleozoic metavolcaniclastic rocks and Jurassic plutonic and metamorphic rocks. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 64

Singer and others, 1978 (OF 78-558Q), loc. 64

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 77

Talkeetna Mts. (8.25, 6.75)
62°23'N, 148°59'W

Summary: Small replacement lodes and veinlets with chalcopyrite in altered upper Paleozoic mafic metavolcanic rocks. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 77
Singer and others, 1978 (OF 78-558Q), loc. 77

Unnamed occurrence

Copper

Yentna district
OF 78-588B, loc. 84

Talkeetna Mts. (7.3, 7.5)
62°25'N, 149°06'W

Summary: Quartz vein, about 60 cm thick, with chalcopyrite, pyrite, and malachite stains. Country rock upper Paleozoic mafic metavolcanic rock. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 84
Singer and others, 1978 (OF 78-558Q), loc. 84

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 49

Talkeetna Mts. (11.65, 8.45)
62°28'N, 148°34'W

Summary: Pyrrhotite and chalcopyrite in upper Paleozoic greenstone.
Extent of mineralized zone small. [Csejtey and Miller,
1978 (OF 78-558B)]

References

- Rose, 1967 (GR 32), p. 5 (loc. 4)
Cobb, 1972 (MF-370), loc. 14
• MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 9
Csejtey and Miller, 1978 (OF 78-558B), loc. 49
Singer and others, 1978 (OF 78-558Q), loc. 49

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 48

Talkeetna Mts. (11.2, 8.95)
62°30'N, 148°36'W

Summary: Copper minerals and associated pyrite in upper Paleozoic, mainly metavolcanic, rocks. [MacKevett and Holloway, 1977 (OF 77-169A)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 27
Csejtey and Miller, 1978 (OF 78-558B), loc. 48
Singer and others, 1978 (OF 78-558Q), loc. 48

Unnamed occurrence

Copper

Yentna district

Talkeetna Mts. (10.45, 8.95)

OF-78-558B, loc. 45

62°30'N, 148°43'W

Summary: Small brecciated shear zone in upper Paleozoic mafic meta-volcanogenic unit; limonite and malachite present. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 45

Singer and others, 1978 (OF 78-558Q), loc. 45

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 52

Talkeetna Mts. (12.0, 9.45)
62°32'N, 148°31'W

Summary: Minor pyrrhotite and chalcopyrite; disseminated and in veinlets in upper Paleozoic metagabbro. [Csejtey and Miller, 1978 (OF 78-558B)]

References

- Rose, 1967 (GR 32), p. 4, loc. 2
Cobb, 1972 (MF-370), loc. 16
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 10
Csejtey and Miller, 1978 (OF 78-558B), loc. 52
Singer and others, 1978 (OF 78-558Q), loc. 52

Unnamed occurrence

Copper

Yentna district
OF 78-558B, loc. 43

Talkeetna Mts. (8.75, 9.9)
62°34'N, 148°53'W

Summary: Quartz veinlets with pyrite cutting pyrite-bearing alteration zone; some malachite stains. In upper Paleozoic mafic volcanic rocks. Extent of mineralized alteration zone appears to be small. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 43
Singer and others, 1978 (OF 78-558Q), loc. 43

Unnamed occurrence

Copper

Valdez Creek district
OF 78-558B, loc. 26

Talkeetna Mts. (17.45, 14-0)
62°47'N, 147°50'W

Summary: Minor chalcopyrite and pyrite in small quartz vein cutting upper Paleozoic metavolcanogenic unit. [Csejtey and Miller, 1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 26
Singer and others, 1978 (OF 78-558Q), loc. 26

Unnamed prospect

Copper

Valdez Creek district
OF 78-558B, loc. 25

Talkeetna Mts. (16.5, 15.2)
62°51'N, 147°57'W

Summary: Copper minerals, mainly chalcopyrite, within extensive shear zone along contact between Triassic basaltic metavolcanic rock and upper Paleozoic metamorphosed marine volcanic and volcaniclastic rocks with subordinate mudstone and limestone. [Csejtey and Miller, 1978 (OF 78-558B)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 28
Csejtey and Miller, 1978 (OF 78-558B), loc. 25
Singer and others, 1978 (OF 78-558Q), loc. 25

Unnamed occurrence

Copper

Valdez Creek district
OF 78-558B, loc. 17

Talkeetna Mts. (17.55, 17.15)
62°58'N, 147°48'W

Summary: Low-grade copper mineralization in Triassic mafic meta-
volcanic rocks. No other data. [Csejtey and Miller,
1978 (OF 78-558B)]

References

Csejtey and Miller, 1978 (OF 78-558B), loc. 17

Singer and others, 1978 (OF 78-558Q), loc. 17

Unnamed prospect

Copper

Valdez Creek district
OF 78-558B, loc. 16

Talkeetna Mts. (16.95, 17.55)
62°59'N, 147°53'W

Summary: Low-grade, chalcopyrite-bearing felsic dike cutting Triassic basaltic metavolcanic rocks near a thrust fault separating the Triassic rocks from Jurassic sedimentary and volcanic rocks. [Csejtey and Miller, 1978 (OF 78-558B)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 74, loc. 56
Csejtey and Miller, 1978 (OF 78-558B), loc. 16
Singer and others, 1978 (OF 78-558Q), loc. 16

Unnamed occurrence

Copper, Gold, Silver

Yentna district

Talkeetna Mts. (12.45, 8.7)

OF 78-558B, loc. 50

62°29'N, 148°28'W

Summary: Minor pyrite, pyrrhotite, and chalcopyrite in gneissose altered Jurassic quartz diorite; traces of gold and silver in assays. On or near trace of shear zone (possibly a thrust fault) separating Jurassic plutonic and metamorphic rocks from upper Paleozoic metavolcanogenic rocks. [Rose, 1967 (GR 32); Csejtey and Miller, 1978 (OF 78-558B)]

References

Rose, 1967 (GR 32), p. 4, loc. 1

Cobb, 1972 (MF-370), loc. 15

MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 10

Csejtey and Miller, 1978 (OF 78-558B), loc. 50

Singer and others, 1978 (OF 78-558Q), loc. 50

Unnamed occurrence

Copper, Molybdenum

Yentna district

Talkeetna Mts. (4.8, 5.1)

OF 58-558B, loc. 88

62°17'N, 149°25'W

Summary: Copper minerals and molybdenite disseminated in altered Tertiary granitic rock near contact with upper Paleozoic metavolcanogenic rocks. [Csejtey and Miller, 1978 (OF 78-558B)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 73, loc. 25

Csejtey and Miller, 1978 (OF 78-558B), loc. 88

Singer and others, 1978 (OF 78-558Q), loc. 88

Unnamed prospect

Copper, Molybdenum, Zinc

Valdez Creek district
OF 78-558B, loc. 8

Talkeetna Mts. (5.5, 15.2)
62°52'N, 149°19'W

Summary: Molybdenite with pyrite and minor chalcopyrite and sphalerite in silicified shear zone in Tertiary granitic intrusive body. [Csejtey and Miller, 1978 (OF 78-558B)] Reference in Smith, 1942 (B 926-C) may be to this occurrence; if not is to (Treasure Cr.).

References

- Smith, 1942 (B 926-C), p. 190
Richter, 1963 (GR 3), loc. 4
Berg and Cobb, 1967 (B 1246), p. 29-30
Cobb, 1972 (MF-370), loc. 3
MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 3
Csejtey and Miller, 1978 (OF 78-558B), loc. 8
Singer and others, 1978 (OF 78-558Q), loc. 8

Unnamed occurrence

Gold, Silver

Yentna district
MF-370, loc. 13

Talkeetna Mts. (11.3, 8.75)
62°29'N, 148°37'W

Summary: Traces of gold and silver in sample of highly altered
pyritic upper Paleozoic phyllite. [Rose, 1967 (GR 32);
Csejtey and Miller, 1978 (OF 78-558B)]

References

Rose, 1967 (GR 32), p. 4. loc. 3

Cobb, 1972 (MF-370), loc. 13

MacKevett and Holloway, 1977 (OF 77-169A), p. 72, loc. 9

Csejtey and Miller, 1978 (OF 78-558B), loc. 47

Singer and others, 1978 (OF 78-558Q), loc. 47

Synonyms, Owners, and Operators

Johnson -- see Mint

Johnson & Wertz -- see Mint

Olsen and Getchel -- see (Albert Cr.)

Olsen, Getchel, Palmer, McCormack -- see (Albert Cr.)

(Portage Cr.) -- see Mint

Wells, Wells & Coffee -- see Copper Queen

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