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 TALKEETNA 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 and Territorial agencies) reports and maps are designed to aid in library research on the mineral resources of the Talkeetna 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 40 and 41 in Reed and others, 1978 (MF-870-D)). 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 setion 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 1:250,000-scale topographic quadrangle (Talkeetna); 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 on and described in Reed and others, 1978 (MF-870-D), but the cited reference for many of the locations is Clark and Cobb, 1972 (MF-369) because differences in the printing of the two maps resulted in differences in legibility. 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 occurrence" and appears at the end of the list. If a part of a name is not always used in references, that part of the name is shown in parentheses.

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

B	U.S. Geological Survey Bulletin
BMB	U.S. Bureau of Mines Bulletin
C	U.S. Geological Survey Circular
GR	Alaska Division of Geological and Geophysical Surveys 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 Geological Survey)

MF	U.S. Geological Survey Miscellaneous Field Studies Map
P	U.S. Geological Survey Professional Paper
RI	U.S. Bureau of Mines Report of Investigations
TDM	Alaska Territorial Department of Mines Pamphlet
USBM OF	U.S. Bureau of Mines Open-file Report

Index map

(Bear Cr.) Gold

Valdez Creek district
MF-870-D, loc. 89

Talkeetna (16.35, 11.05)
62°37'N, 150°58'W

Summary: Bench placer on Mesozoic graywacke and argillite; hydrothermal alteration of bedrock at head of creek. [Reed and others, 1978 (MF-870-D)]

References

Smith, 1930 (B 810), p. 22
Reed and others, 1978 (MF-870-D), loc. 89

(Big Boulder Cr.) Gold

Yentna district Talkeetna (11.7, 6.35)
MF-369, loc. 13 62°21'N, 151°33'W

Summary: Small, steep-sided gulch tributary to Twin Cr.; cut into Tertiary continental deposits. Was small placer gold production for several years in first quarter of 20th century. [Capps, 1913 (B 534)] See also (Twin Cr.).

References

Capps, 1912 (B 520), p. 198
Capps, 1913 (B 534), p. 70
Clark and Cobb, 1972 (MF-369), loc. 13
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 13
Reed and others, 1978 (MF-870-D), loc. 68

(Bird Cr.) Copper, Gold, Tungsten

Yentna district Talkeetna (16.85-17.0, 10.3)
MF-369, loc. 25 62°34'N, 150°54'-150°55'W

Summary: Stream placers and bench placers of glaciofluvial origin mined for many years. Concentrates contain much pyrite, arsenopyrite, magnetite, scheelite, and a little native copper. Gold-scheelite lode near head of creek. Country rock Mesozoic sedimentary rocks intruded by small bodies of granitic rock. [Mertie, 1919 (B 692); Reed and others, 1978 (MF-870-D)] See also Bradley

References

Capps, 1912 (B 520), p. 182, 194-195
Capps, 1913 (B 534), p. 65
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 260-261
Capps, 1924 (B 755), p. 131
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 32-33
Smith, 1938 (B 897-A), p. 42-43
Smith, 1939 (B 910-A), p. 41
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 35
Joesting, 1942 (TDM 1), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2, 13, 18-19
Clark and Hawley, 1968 (OF 68-35), p. 30, 32-33, 45
Clark and Cobb, 1972 (MF-369), loc. 25
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 24
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112, 4-226, 4-117, 4-121
Reed and others, 1978 (MF-870-D), loc. 83

Boedeker — Gold

Willow Creek district — Talkeetna (23.0, 16.85)
MF-870-D, loc. 47 — 62°56'N, 150°07'W

Summary: Several pyrite-bearing quartz veins 5 to 25 cm wide contain sporadically distributed but locally abundant free gold; another 1- to 3-m-thick pyrite- and arsenopyrite-bearing vein contains only trace amounts of gold. Country rock is part of unit of undifferentiated Mesozoic and/or upper Paleozoic sedimentary and volcanic rocks. [Reed and others, 1978 (MF-870-D)]

References

Smith, 1932 (B 824), p. 23
Smith, 1933 (B 836), p. 23
Tuck, 1934 (B 857-C), p. 138-139
Berg and Cobb, 1967 (B 1246), p. 27
Clark and Cobb, 1972 (MF-369), loc. 8
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 8
Reed and others, 1978 (MF-870-D), loc. 47

(Boulder Cr.) McGrath dist. Copper, Lead, Tin, Silver

McGrath district Talkeetna (6.8, 15.9)
MF-870-D, loc. 8 62°54'N, 152°09'W

Summary: Cassiterite-sulfide mineralization in lime silicates, quartzite, and argillite of early Paleozoic age approximately 100 m north of Tertiary biotite granite contact. Surface mineralization occurs in clusters of narrow open-space fracture fillings which suggests a type of stockwork deposit. Late-stage hydrothermal mineralization is represented by narrow shears that contain galena, pyrite, chalcopyrite, and tetrahedrite. A 3-m channel sample contained 1.57% tin and 10.8 oz. silver per ton; selected samples contained as much as 18% tin and 230 oz. silver per ton. [Reed and others, 1978 (MF-870-D)]

References

Conwell, 1977 (GR 55), p. 35-38
MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 68
Reed, 1978 (OF 78-77), p. 6-7
Reed and others, 1978 (MF-870-D), loc. 8

(Boulder Cr.) Yentna district	Gold
Yentna district	Talkeetna (11.7, 6.35)(?) 62°21'N, 151°33'W(?)

Summary: Mining reported in 1938. [Smith, 1939 (B 917-A)] Probably refers to an operation on Big Boulder Cr. or Little Boulder Cr.

Reference

Smith, 1939 (B 917-A), p. 39

Bradley	Gold, Tungsten
Yentna district MF-870-D, loc. 51	Talkeetna (16.5S, 10.5) 62°35'N, 150°57'W

Summary: Thin (1-8 cm) mainly ladder-type arsenopyrite-scheelite quartz veins in Tertiary felsic porphyry dikes that cut upper Mesozoic graywacke and argillite. Veins locally contain free gold. [Reed and others, 1978 (MF-870-D)] Includes references to lodes on (Bird Cr.).

References

Clark and Hawley, 1968 (OF 68-35), p. 50, 58-59
Clark and Cobb, 1972 (MF-368), loc. 6
Hawley and Clark, 1973 (P 758-A), p. A5-A6
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 5
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-110
Reed and others, 1978 (MF-870-D), loc. 51

(Cache Cr.)

Gold, Platinum, Thorium, Tin, Tungsten, Uranium

Yentna district
MF-369, locs. 15, 16

Talkeetna (14.9-17.1, 7.15-10.0)
62°23'-62°34'N, 150°53'-151°02'W

Summary: Most of mining was above mouth of Windy Cr. (MF-369, loc. 16), where bench and stream placers in glaciofluvial deposits and Tertiary continental rocks were mined. Mesozoic graywacke and argillite are the underlying rocks. Cache Cr. and its tributaries contributed much of the placer gold produced in the Yentna district. Mining was carried on from 1906 into the 1970's, including the operation of a dredge for several years. Heavy minerals in concentrates include gold, platinum, ilmenite, magnetite, cassiterite, zircon, garnet, pyrite, and scheelite. One concentrate sample contained 0.07% U and 0.035% ThO_2 and had an eU content of 0.119%. Farther downstream (MF-369, loc. 15) gold has been mined from stream gravels overlying terraces cut in glacial till. [Reed and others, 1978 (MF-870-D); Capps, 1913 (B 534); Mertie, 1919 (B 692); Robinson and others, 1955 (B 1024-A); Smith, 1938 (B 897-A)] Includes references to: Cache Creek Mining Co., Murray & Harper.

References

Brooks, 1910 (B 442), p. 43
Brooks, 1911 (P 70), p. 167
Brooks, 1911 (B 480), p. 38
Capps, 1912 (B 520), p. 182-187
Capps, 1913 (B 534), p. 54-57
Brooks, 1914 (B 592), p. 65
Brooks, 1915 (B 622), p. 49
Smith, 1917 (BMB 153), p. 38, 42
Brooks, 1918 (B 662), p. 48-49
Martin, 1919 (B 692), p. 32-33
Mertie, 1919 (B 692), p. 243-248
Martin, 1920 (B 712), p. 35
Brooks, 1921 (B 714), p. 38
Brooks and Martin, 1921 (B 714), p. 78
Brooks, 1922 (B 722), p. 42
Brooks, 1923 (B 739), p. 9, 26
Brooks and Capps, 1924 (B 755), p. 14, 31-32
Capps, 1924 (B 755), p. 129-130
Brooks, 1925 (B 773), p. 27, 43
Smith, 1926 (B 783), p. 18
Moffit, 1927 (B 792), p. 15, 25
Smith, 1929 (B 797), p. 17
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29

(Cache Cr.) -- cont.

Smith, 1933 (B 836), p. 28
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31, 56
Smith, 1936 (B 868-A), p. 32, 59
Smith, 1937 (B 880-A), p. 29, 36
Smith, 1938 (B 897-A), p. 42-43
Smith, 1939 (B 910-A), p. 41-42
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 36
Joesting, 1942 (TDM 1), p. 20, 34, 39
Wedow and others, 1952 (OF 51), p. 68, 74-75
Robinson and others, 1955 (B 1024-A), p. 2, 13, 18
Clark and Hawley, 1968 (OF 68-35), p. 4, 25, 30-32, 45
Koschmann and Bergendahl, 1968 (P 610), p. 13
Mertie, 1969 (P 630), p. 89
Clark and Cobb, 1972 (MF-369), loc. 15, 16
Cobb, 1973 (B 1374), p. 21-22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 15, 16
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-110, 4-112 to 4-114, 4-116
Reed and others, 1978 (MF-870-D), locs. 72, 78

(Camp Cr.)	Gold, Platinum
Yentna district	Talkeetna (11.65-12.35, 6.0-7.05) approx. 62°20'-62°24'N, 151°29'-151°34'W approx.

Summary: Most of mining in basin was on Mills, Pass, and Twin Creeks, coordinates for which are given above. Some production may have been from Camp Cr. itself, but (if so) the location cannot be pinpointed. Platinum in basin. [Martin, 1919 (B 692); Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78)] See also:(Cottonwood Cr., trib. Camp Cr.), (Mills Cr.), (Pass Cr.), Twin Cr.)

References

Capps, 1913 (B 534), p. 71
Martin, 1919 (B 692), p. 32-33
Clark and Hawley, 1968 (OF 68-35), p. 45
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-121

(Canyon Cr.) Gold, Platinum, Tin

Valdez Creek district
MF-369, loc. 31

Talkeetna (18.15, 10.7) approx.
62°36'N, 150°45'W approx.

Summary: Stream placers; probably derived directly from local mineralized zones in bedrock, which is mainly Mesozoic slates intruded by acidic dikes and cut by quartz stringers; also visible pyritized zones. Minerals in concentrates include gold, platinum, magnetite, ilmenite, garnet, zircon, and cassiterite, some of which is crystalline with unworn edges. [Mertie, 1919 (B 692)] Most, if not all, references to (Long Cr.) are probably to (Canyon Cr.), so all references to (Long Cr.) are included here.

References

Capps, 1912 (B 520), p. 196
Capps, 1913 (B 534), p. 67
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 261-262
Brooks, 1921 (B 714), p. 38
Smith, 1930 (B 810), p. 22
Smith, 1932 (B 824), p. 29
Smith, 1934 (B 857-A), p. 27
Robinson and others, 1955 (B 1024-A), p. 2, 21
Clark and Hawley, 1968 (OF 68-35), p. 28, 30
Koschmann and Bergendahl, 1968 (P 610), p. 13
Mertie, 1969 (P 630), p. 89
Clark and Cobb, 1972 (MF-369), loc. 31
Cobb, 1973 (B 1374), p. 22
Hawley and Clark, 1973 (P 758-A), p. A5, A7
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 30
Hawley, C. C., and Associates, Inc., (USBM OF 24-78), p. 4-117
Reed and others, 1978 (MF-870-D), loc. 86

(Cascade Cr.) Gold

Yentna district Talkeetna (7.4, 8.4)
MF-870-D, loc. 21 62°29'N, 152°05'W

Summary: Visible gold in pan-concentrate samples from stream gravels. Sample contained high values for gold, copper, and arsenic. Country rock is unit of Lower Cretaceous and/or Jurassic marine sedimentary rocks. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 77
Reed and others, 1978 (MF-870-D), loc. 21

(Che(e)chako Gulch) Gold

Yentna district Talkeetna (16.1, 8.5)
MF-369, loc. 18 62°28'N, 151°01'W

Summary: Placer mining in 1931 reported. Bedrock Tertiary continental deposits. No other data on deposit. [Smith, 1933 (B 844-A); Reed and others, 1978 (MF-870-D)]

References

Smith, 1933 (B 844-A), p. 29
Robinson and others, 1955 (B 1024-A), p. 13, 19
Clark and Hawley, 1968 (OF 68-35), p. 45
Clark and Cobb, 1972 (MF-369), loc. 18
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 18
Reed and others, 1978 (MF-870-D), loc. 74

(Chicago Gulch) Gold

Yentna district Talkeetna (11.95-12.05, 6.4-6.5)
MF-369, loc. 14 62°22'N, 151°31'-151°32'W

Summary: Tributary of upper Mills Cr. Bedrock is Tertiary continental deposits. Gold flat and flaky. [Capps, 1913 (B 534)] See also (Mills Cr.)

References

Capps, 1912 (B 520), p. 198
Capps, 1913 (B 534), p. 68-69
Clark and Cobb, 1972 (MF-369), loc. 14
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 14
Reed and others, 1978 (MF-870-D), loc. 69

(Chulitna R.)	Gold
Valdez Creek district	Talkeetna (21.8-24.0, 6.5-15.25 62°20'-62°50'N, 150°00'-150°27'W

Summary: Gold on surface of bars has been recovered from time to time. [Tuck, 1934 (B 857-C)]

Reference

Tuck, 1934 (B 857-C), p. 136

Colby — Gold

Yentna district — Talkeetna (16.3, 10.0)
MF-870-D, loc. 50 — 62°33'N, 150°59'W

Summary: Disseminated arsenopyrite in a Tertiary felsic dike and also locally in a thin quartz vein that borders the dike; minor gold values. [Reed and others, 1978 (MF-870-D)]

References

Clark and Hawley, 1968 (OF 68-35), p. 59-60
Clark and Cobb, 1972 (MF-369), loc. 5
Hawley and Clark, 1973 (P 758-A), p. A5-A6
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 5
Reed and others, 1978 (MF-870-D), loc. 50

(Cottonwood Cr., trib. Camp Cr.) Gold(?)

Yentna district — Talkeetna (12.1, 6.9) approx. 62°23'N, 151°30'W approx.

Summary: Prospecting in 1926 and 1937 reported. Most of stream course in Mesozoic sedimentary rocks near contact with Tertiary continental deposits. (Smith, 1929 (B 797); Smith, 1939 (B 910-A); Reed and others, 1978 (MF-870-D)]

References

Smith, 1929 (B 797), p. 17
Smith, 1939 (B 910-A), p. 42
Reed and others, 1978 (MF-870-D)

(Cottonwood Cr., trib. Peters Cr.) Gold

Yentna district Talkeetna
SW¼SW¼NE¼ quad.

Summary: Mining in 1927 reported. [Smith, 1930 (B 810)] No other data. May refer to mining on one or more tributaries. See also: (Poorman Cr.), (Willow Cr.)

Reference

Smith, 1930 (B 810), p. 22

Cummins	Gold, Silver
Willow Creek district MF-870-D, loc. 45	Talkeetna (17.4, 12.9) 62°43'N, 150°50'W

Summary: Arsenopyrite- and pyrite-bearing quartz veins throughout a zone as much as 10 m wide; the quartz veins contain sporadically distributed gold and minor to trace amounts of silver, bismuth, and tin. Country rock is upper Mesozoic graywacke and argillite. [Reed and others, 1978 (MF-870-D)]

References

Clark and Hawley, 1968 (OF 68-45), p. 27-28, 49-50
Clark and Cobb, 1972 (MF-369), loc. 7
Hawley and Clark, 1973 (P 758-A), p. A8
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 7
Reed and others, 1978 (MF-870-D), loc. 45

(Curry) Molybdenum

Willow Creek district Talkeetna (24.05, 11.15)
MF-870-D, loc. 48 62°36'N, 150°01'N

Summary: Small amounts of molybdenite in narrow veins of quartz and aplite that cut a Tertiary felsic dike that intrudes Mesozoic sedimentary rocks. [Reed and others, 1978 (MF-870-D)]

References

Smith, 1942 (B 926-C), p. 189-190
Waring, 1947 (C 18), p. 3, 5
Berg and Cobb, 1967 (B 1246), p. 30
Clark and Cobb, 1972 (MF-369), loc. 9
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 9
Reed and others, 1978 (MF-870-D), loc. 48

(Dollar Cr.) Gold, Tin

Yentna district Talkeetna (15.75, 9.0-9.2)
MF-369, loc. 19 62°30'N, 151°03'W

Summary: Near head bedrock is Mesozoic slate; Tertiary continental deposits in lower part of stream course. Concentrates contain gold ($40 nugget reported; gold at $20.67), much pyrite, magnetite, ilmenite, zircon, garnet, and cassiterite. Gold in a white quartz conglomerate was probably derived from an altered Tertiary alaskite dike and attendant quartz veins in and near fault zones. [Capps, 1925 (B 773); Clark and Hawley, 1968 (OF 68-35); Reed and others, 1978 (MF-870-D)]

References

Paige and Knopf, 1907 (B 314), p. 119
Capps, 1912 (B 520), p. 174, 182, 191-192
Brooks, 1913 (B 542), p. 44
Capps, 1913 (B 534), p. 62-63
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 252-254
Capps, 1924 (B 755), p. 130-131
Capps, 1925 (B 773), p. 54-57, 59
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 28-29
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 33
Smith, 1939 (B 917-A), p. 39
Robinson and others, 1955 (B 1024-A), p. 2
Clark and Hawley, 1968 (OF 68-35), p. 7, 30, 34-40, 44-46
Koschmann and Bergendahl, 1968 (P 610), p. 13
Clark and Cobb, 1972 (MF-369), loc. 19
Cobb, 1973 (B 1374), p. 21
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 19
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112, 4-114, 4-116
Reed and others, 1978 (MF-870-D), loc. 75

(Dutch Cr.) Gold, Tungsten

Yentna district Talkeetna (1S.5, 10.1)
MF-870-D, loc. 87 62°34'N, 151°05'W

Summary: Stream placers near confluence with Basic Cr. Scheelite common in concentrates. Basin underlain by Mesozoic sedimentary rocks. [Reed and others, 1978 (MF-870-D); Joesting, 1943 (TDM 2)] See also (First Cr.)

Smith, 1936 (B 868-A), p. 33
Smith, 1937 (B 880-A), p. 36
Smith, 1939 (B 910-A), p. 41
Smith, 1939 (B 917-A), p. 39
Smith, 1942 (B 933-A), p. 35
Joesting, 1943 (TDM 2), p. 20
Thorne and others, 1948 (RI 4174), p. 28
Clark and Hawley, 1968 (OF 68-35), p. 45
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-68), p. 4-110
Reed and others, 1978 (MF-870-D), loc. 87

(Eagle Cr.) Gold

Yentna district Talkeetna
NE¼SW¼ quad.(?)

Summary: Tributary of Yentna R. on which placer gold has been found. Only a little mining as of 1910. [Brooks, 1911 (B 480)] Not shown on modern maps; could be just about anywhere in Yentna drainage basin.

References

Brooks, 1911 (P 70), p. 167
Brooks, 1911 (B 480), p. 38

(Falls Cr.) Gold

Yentna district Talkeetna (16.0, 8.75-9.2)
MF-369, loc. 20 62°14'-62°16'N, 151°01'W

Summary: Bench placer. Creek heads in Mesozoic graywacke. Lower part of stream course in Tertiary continental deposits. [Reed and others, 1978 (MF-870-D)]

References

Paige and Knopf, 1907 (B 314), p. 119
Brooks, 1908 (B 345), p. 38
Capps, 1912 (B 520), p. 182, 191
Capps, 1913 (B 534), p. 62
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 251-252
Capps, 1924 (B 755), p. 130
Smith, 1929 (B 797), p. 17
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 28
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 33
Smith, 1939 (B 917-A), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 13
Clark and Hawley, 1968 (OF 68-35), p. 30, 45
Clark and Cobb, 1972 (MF-369), loc. 20
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 20
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112 to 4-114, 4-176
Reed and others, 1978 (MF-870-D), loc. 76

(Falls Gulch) Gold

Yentna district Talkeetna (17.4, 10.5) approx.
MF-369, loc. 28 62°35'N, 150°50'W approx.

Summary: Small tributary of Willow Cr. on which there has been placer-gold mining. [Capps, 1913 (B 534)] See also (Willow Cr.)

References

Capps, 1912 (B 520), p. 195-196
Capps, 1913 (B 534), p. 66
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 27
Reed and others, 1978 (MF-870-D), loc. 84

(First Cr.) Gold

Yentna district
MF-369, loc. 30

Talkeetna (16.05, 10.75)
62°36'N, 151°00'W

Summary: Stream placer near confluence with Dutch Cr., Area underlain by Mesozoic sedimentary rocks. [Reed and others, 1978 (MF-870-D)]

References

Smith, 1938 (B 897-A), p. 43
Smith, 1939 (B 917-A), p. 39
Clark and Hawley, 1968 (OF 68-35), p. 45
Clark and Cobb, 1972 (MF-369), loc. 30
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 29
Reed and others, 1978 (MF-870-D), loc. 88

(Gold Cr.)

Yentna district
MF-369, loc. 24

Gold

Talkeetna (16.85, 9.55)
62°32'N, 150°55'W

Summary: Creek crosses contact between Mesozoic slate and Tertiary continental deposits. Placer gold mined from bedrock surface near contact and from crevices in slate. [Capps, 1913 (B 534)]

References

Capps, 1912 (B 520), p. 182, 187
Capps, 1913 (B 534), p. 58
Brooks, 1914 (B 592), p. 65
Smith, 1917 (BMB 153), p. 42
Capps, 1924 (B 755), p. 131
Clark and Hawley, 1968 (OF 68-35), p. 30, 45
Clark and Cobb, 1972 (MF-369), loc. 24
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 23
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112
Reed and others, 1978 (MF-870-D), loc. 80

(Gopher Cr.) Gold, Lead

Yentna district
MF-369, loc. 28

Talkeetna (17.35, 10.5)
62°35'N, 150°51'W

Summary: Headwater gulch of Willow Cr.; crosses contact between Mesozoic slate and Tertiary continental deposits. Gold mainly on bedrock. One specimen found "in which native gold and lead were intricately intergrown." [Mertie, 1919 (B 692)] No data on whether gold placer was on Mesozoic or Tertiary bedrock, or on both.

References

Mertie, 1919 (B 692), p. 260
Smith, 1930 (B 810), p. 22
Clark and Hawley, 1968 (OF 68-35), p. 45
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 27
Reed and others, 1978 (MF-870-D), loc. 84

(Hidden Cr.) Tin

Yentna district
MF-870-D, loc. 42

Talkeetna (19.9, 11.75)
62°40'N, 151°09'W

Summary: Minor tin mineralization in narrow zones of quartz-tourmaline-muscovite greissen in altered biotite granite of Tertiary age. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 92
Reed and others, 1978 (MF-870-D), loc. 42

Hogback — Copper, Gold, Lead, Silver, Zinc

McGrath district — Talkeetna (6.2, 15.55)
MF-870-D, loc. 4 — 62°53'N, 152°13'W

Summary: Fissure veins containing pods and lenses of argentiferous galena and sphalerite in lower Paleozoic quartzite and limestone adjacent to Tertiary granite. Several samples contained trace to small amounts of gold and one contained a trace of chalcopyrite. Analysis of a sample for which no petrographic data are given showed 1.20% Cu. [Maloney and Thomas, 1966 (USBM OF 5-66); Reed and others, 1978 (MF-870-D)]

References

Maloney and Thomas, 1966 (USBM OF 5-66), p. 3-4, 6-9, 11
MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 67
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-135
Reed and others, 1978 (MF-870-D), loc. 4

(Independence Cr.) Gold

Yentna district Talkeetna
NE¼SW¼ quad.(?)

Summary: "Independence Creek, a small tributary of the Yentna River below its forks, contains some gold and has been prospected for several seasons." [Capps, 1913 (B 534)]

References

Brooks, 1911 (P 70), p. 167
Brooks, 1911 (B 480), p. 38
Capps, 1912 (B 520), p. 199
Capps, 1913 (B 534), p. 71

J & K — Copper, Gold, Lead, Silver

McGrath district — Talkeetna (6.8, 15.9)
MF-870-D, loc. 7 — 62°54'N, 152°09'W

Summary: Three-m-thick vein of massive pyrrhotite in lower Paleozoic metasedimentary rocks (lower Tertiary granitic rocks nearby) that contains trace amounts of silver and copper; sporadically distributed clots of galena, tetrahedrite, pyrite, arsenopyrite, and other sulfides (including trace amounts of chalcopyrite and covellite) in 3-m-wide siderite bed (replaced limestone). One sample contained 0.96 oz. gold per ton; another contained 3.22 oz. silver per ton. [Reed and others, 1978 (MF-870-D); Maloney and Thomas, 1966 (USBM OF 5-66)] Includes references to Jiles-Knudson.

References

Capps, 1927 (B 792), p. 108-109
Maloney and Thomas, 1966 (USBM OF 5-66), p. 4, 9, 11-12
Berg and Cobb, 1967 (B 1246), p. 97
Clark and Cobb, 1972 (MF-369), loc. 3
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 3
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-128
Reed and others, 1978 (MF-870-D), loc. 7

(John(s) Cr.) Gold

Yentna district Talkeetna (11.7, 6.1)
MF-369, loc. 13 62°20'N, 151°33'W

Summary: Small, steep-sided gulch tributary to Twin Cr.; cut in Tertiary continental deposits. Was small producer of placer gold for several years during first quarter of 20th century. [Capps, 1913 (B 534)] See also (Twin Cr.)

References

Capps, 1912 (B 520), p. 198
Capps, 1913 (B 534), p. 70
Clark and Cobb, 1972 (MF-369), loc. 13
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 13
Reed and others, 1978 (MF-870-D), loc. 68

(Kahiltna R.) Gold, Monazite, Platinum, Thorium

Yentna district
MF-369, loc. 32

Talkeetna (17.3, 2.5)
62°07'N, 150°53'W

Summary: Stream gravels contain gold and minor amounts of platinum, monazite, and thorianite. [Bates and Wedow, 1953 (C 202); Reed and others, 1978 (MF-870-D)] See also (Kahiltna R.) Tyonek quad.

References

Capps, 1912 (B 520), p. 199
Capps, 1913 (B 534), p. 71
Brooks, 1918 (B 662), p. 23
Brooks, 1919 (B 666), p. 96
Martin, 1919 (B 692), p. 32-33
Mertie, 1919 (B 692), p. 262
Brooks, 1921 (B 714), p. 38
Smith, 1930 (B 810), p. 53
Smith, 1930 (B 813), p. 60
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 29
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 33
Joesting, 1942 (TDM 1), p. 20
Bates and Wedow, 1953 (C 202), p. 9
Robinson and others, 1955 (B 1024-A), p. 2, 21-22
Overstreet, 1967 (P 530), p. 109
Clark and Hawley, 1968 (OF 68-35), p. 7, 28
Mertie, 1969 (P 630), p. 89
Clark and Cobb, 1972 (MF-369), loc. 32
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 31
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-110
Reed and others, 1978 (MF-870-D), loc. 66

(Kichatna R.) Gold, Platinum

Yentna district Talkeetna (10.2, 2.8)
MF-870-D, loc. 39 62°09'N, 151°45'W

Summary: Old placer prospects on river bars, chiefly for platinum; sources of platinum probably in ultramafic rock of the early Tertiary composite plutons. Some fine gold was recovered. [Reed and others, 1978 (MF-870-D); Capps, 1913 (B 534)]

References

Capps, 1912 (B 520), p. 199
Capps, 1913 (B 534), p. 70-71
Martin, 1919 (B 692), p. 32-33
Clark and Cobb, 1972 (MF-369), loc. 11
Cobb, 1973 (B 1374), p. 23
Hawley and Clark, 1973 (P 758-A), p. A6
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 11
Reed and others, 1978 (MF-870-D), loc. 39

(Lacuna Glacier) — Chromite

Yentna district — Talkeetna (11.9-12.1, 13.9-14.8)
MF-870-D, locs. 30-32 — 62°47'-62°50'N, 151°29'-151°31'W

Summary: Podiform chromite in dunite. Dunite occurs as sill-like bodies as much as 90 m thick and 7 km long in upper Paleozoic sedimentary rokcs and is cut by the middle Tertiary granodiorite of Mt. Foraker. Chromite occurs as disrupted irregular pods of various shapes as much as 2 m in maximum dimension, as lenslike bodies as much as 2 m thick and 20 m long, and as disseminations, streaks, and small lenses. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70-71, locs. 86, 87
Reed and others, 1978 (MF-870-D), locs. 30-32

(Lake Cr.) — Gold, Platinum

Yentna district — Talkeetna (16.6, 1.75) approx. [in part]
62°05'N, 150°59'W approx. [in part]

Summary: Lower part of course entrenched as much as 300 ft. in glacial and Tertiary continental deposits. Gold recovered from both stream and bench placers. Platinum reported [but location in basin not given]. [Capps, 1913 (B 534); Martin, 1919 (B 692)] See also: (Mills Cr.), (Twin Cr.)

References

Paige and Knopf, 1907 (B 314), p. 119
Capps, 1912 (B 520), p. 197, 199
Capps, 1913 (B 534), p. 67-68, 71
Martin, 1919 (B 692), p. 32-33
Capps, 1924 (B 755), p. 131
Smith, 1934 (B 857-A), p. 28
Smith, 1937 (B 880-A), p. 36
Clark and Hawley, 1968 (OF 68-35), p. 28
Cobb, 1973 (B 1374), p. 22

(Little Boulder Cr.) Gold

Yentna district Talkeetna (11.75, 6.35)
MF-369, loc. 13 62°21'N, 151°33'W

Summary: Small, steep-sided gulch tributary to Twin Cr.; cut in Tertiary continental deposits. Was small placer-gold production for several years in first quarter fo 20th century. [Capps, 1913 (B 534)] See also (Twin Cr.)

References

Capps, 1912 (B 520), p. 198
Capps, 1913 (B 534), p. 70
Clark and Cobb, 1972 (MF-369), loc. 13
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 13
Reed and others, 1978 (MF-870-D), loc. 68

(Lucky Gulch) Gold

Yentna district Talkeetna (16.55, 9.0-9.1)
MF-369, loc. 16 62°30'N, 150°57'W

Summary: Entirely in area underlain by Tertiary continental deposits. Small production of placer gold before 1912. [Capps, 1913 (B 534)]

References

Capps, 1912 (B 510), p. 190
Capps, 1913 (B 534), p. 60
Clark and Cobb, 1972 (MF-369), loc. 16
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 16
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112
Reed and others, 1978 (MF-870-D), loc. 78

Mespelt	Gold, Lead, Silver, Uranium, Zinc
McGrath district	Talkeetna (6.25, 15.65)
MF-870-D, loc. 5	62°54'N, 152°13'W

Summary: Quartz-carbonate veins contain galena and minor amounts of zeunerite and metazeunerite in Tertiary granite; local zones of tourmaline-muscovite greissen. Chemical analyses of samples showed no more than 0.02 oz. gold per ton and as much as 0.06% Sn. Petrographic examination of samples showed tourmaline in several and sphalerite in one. [Reed and others, 1978 (MF-870-D); Maloney and Thomas, 1966 (USBM OF 5-66)]

References

Maloney and Thomas, 1966 (USBM OF 5-66), p. 4, 8-11
Berg and Cobb, 1967 (B 1246), p. 97
Clark and Cobb, 1972 (MF-369), loc. 2
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 2
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-135, 5-6
Reed and others, 1978 (MF-870-D), loc. 5

(Mills Cr.) Gold

Yentna district Talkeetna (11.95-12.35, 6.1-6.5)
MF-369, loc. 14 62°21'-62°22'N, 151°29'-151°32'W

Summary: Was mined nearly all the way from confluence with Twin Cr. to headwater gulches. Production of placer gold must have been considerable. Bedrock poorly consolidated Tertiary continental deposits. [Cobb, 1973 (B 1374)] See also: (Chicago Gulch), (Wagner Gulch)

References

Capps, 1912 (B 520), p. 182, 197-199
Capps, 1913 (B 534), p. 69-70
Brooks, 1914 (B 592), p. 66
Capps, 1924 (B 755), p. 131
Smith, 1929 (B 797), p. 17
Smith, 1930 (B 810), p. 22
Smith, 1933 (B 836), p. 29
Smith, 1933 (B 844-A), p. 29
Smith, 1939 (B 910-A), p. 42
Smith, 1939 (B 917-A), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2
Koschmann and Bergendahl, 1968 (P 610), p. 13
Clark and Cobb, 1972 (MF-369), loc. 14
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 14
Hawley , C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-121, 4-123
Reed and others, 1978 (MF-870-D), loc. 69

(Montana) Iron

Willow Creek district
MF-870-D, loc. 65

Talkeetna (24.3, 1.7)
62°04'N, 150°02'W

Summary: Currently forming small bog iron deposit consists mainly of limonite and probably other hydrous iron minerals. Deposit about 50 ft. in diameter with maximum thickness of 8 ft. [Berg and Cobb, 1967 (B 1246)]

References

Berg and Cobb, 1967 (B 1246), p. 35
Clark and Cobb, 1972 (MF-369), loc. 10
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 10
Reed and others, 1978 (MF-870-D), loc. 65

(Mt. Foraker) — Copper, Gold

Yentna district — Talkeetna (13.65, 16.6)
MF-870-D, loc. 33 — 62°56'N, 151°17'W

Summary: Disseminated pyrite, chalcopyrite, and other sulfide minerals in sheared argillite and limestone of late Paleozoic age that is cut by the Tertiary granodiorite of Mt. Foraker. Sparse cobbles of arsenopyrite contain 0.45 oz. per ton gold.

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 88
Reed and others, 1978 (MF-870-D), loc. 33

(Mt. Goldie) Gold

Willow Creek district Talkeetna (16.8, 13.1)
MF-870-D, loc. 46 62°44'N, 150°54'W

Summary: Rusty-weathering pyrite- and arsenopyrite-bearing aplite dike, about 1 m wide, contains minor gold values. Country rock is upper Mesozoic graywacke and argillite. Other dikes in area. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 93
Reed and others, 1978 (MF-870-D), loc. 46

(Nakochna R.) Gold

Yentna district Talkeetna (8.0, 3.75) approx.(?)
62°12'N, 152°00'W approx.(?)

Summary: Fine gold has been found near mouth of Kellar Cr. [which is not shown on modern maps]. [Brooks, 1911 (B 480); Capps, 1913 (B 534)] Location given above may be within 5 mi. of actual location.

References

Brooks, 1911 (P 70), p. 166
Brooks, 1911 (B 480), p. 38
Capps, 1912 (B 520), p. 199
Capps, 1913 (B 534), p. 70-71
Hawley and Clark, 1973 (P 758-A), p. A6

(Notobac Cr.) Gold

Yentna district Talkeetna (12.0, 6.0) approx.(?)
62°20'N, 151°30'W approx.(?)

Summary: Placer gold production reported for 5 years in 1920's and 1930's. Notobac is probably another name for Twin Cr. or for a tributary of Twin Cr. or Mills Cr.

References

Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1933 (B 836), p. 29
Smith, 1933 (B 844-A), p. 29
Smith, 1939 (B 917-A), p. 39

(Nugget Cr.) [placer] Gold, Tin, Tungsten

Yentna district Talkeetna (16.65-16.8, 9.25-9.55)
MF-369, locs. 22, 23 62°31'-62°32'N, 150°55'-150°56'W

Summary: Stream and bench placers. Bedrock Tertiary continental rocks; Mesozoic marine sedimentary rocks in upper part of stream course. Auriferous quartz vein near head. Heavy minerals in concentrates include gold, magnetite, cassiterite, garnet, arsenopyrite, zircon, and scheelite. [Reed and others, 1978 (MF-870-D); Mertie, 1919 (B 692)]

References

Paige and Knopf, 1907 (B 314), p. 119
Brooks, 1908 (B 345), p. 38
Brooks, 1911 (B 480), p. 38
Capps, 1912 (B 520), p. 182, 187-189
Brooks, 1913 (B 542), p. 44
Capps, 1913 (B 534), p. 58-60
Brooks, 1914 (B 592), p. 65-66
Smith, 1917 (BMB 153), p. 42
Brooks, 1918 (B 662), p. 49
Mertie, 1919 (B 692), p. 248-249
Capps, 1924 (B 755), p. 130
Smith, 1929 (B 797), p. 17
Smith, 1930 (B 810), p. 22
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 33
Smith, 1939 (B 910-A), p. 41
Smith, 1939 (B 917-A), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2, 13, 18
Clark and Hawley, 1968 (OF 68-35), p. 11, 30, 32, 45
Clark and Cobb, 1972 (MF-369), locs. 22, 23
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 22
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112 to 4-114
Reed and other, 1978 (MF-870-D), loc. 79

(Nugget Cr., upper) [lode] Gold

Yentna district Talkeetna (16.3, 10.0)
MF-870-D, loc. 49 62°33'N, 150°59'W

Summary: Thin quartz-arsenopyrite veins in upper Mesozoic argillite and graywacke and locally in a small Tertiary felsite stock. Veins contain sparsely distributed minor values in gold. [Reed and others, 1978 (MF-870-D)]

References

Clark and Hawley, 1968 (OF 68-35), p. 59
Clark and Cobb, 1972 (MF-369), loc. 4
Hawley and Clark, 1973 (P 758-A), p. A5-A6
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 4
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-110
Reed and others, 1978 (MF-870-D), loc. 49

(Pass Cr.) Gold

Yentna district Talkeetna (11.6-11.75, 7.0-7.05)
MF-369, loc. 12 62°24'N, 151°33'-151°34'W

Summary: Gold has been mined from stream placer. Creek follows contact between Mesozoic marine sedimentary rocks and Tertiary continental deposits. [Reed and others, 1978 (MF-870-D)]

References

Smith, 1929 (B 797), p. 17
Smith, 1933 (B 844-A), p. 29
Smith, 1938 (B 897-A), p. 43
Smith, 1939 (B 910-A), p. 42
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 36
Smith, 1942 (B 933-A), p. 35
Clark and Cobb, 1972 (MF-369), loc. 12
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 12
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-121
Reed and others, 1978 (MF-870-D), loc. 70

(Peters Cr.) Gold

Yentna district Talkeetna (17.0-18.05, 8.85-10.45)
MF-366, locs. 26, 27 62°29'-62°35'N, 150°46'-150°54'W

Summary: Mining in upper basin (MF-369, loc. 26) in area underlain by Mesozoic sedimentary rocks beneath a cover of Quaternary surficial deposits. Below this locality Peters Cr. flows across Tertiary continental deposits and then through the Peters Hills in a canyon cut in Mesozoic rocks and debouches onto an area floored by surficial deposits underlain by Tertiary continental rocks. The Mesozoic rocks are cut by diabase and other dikes. There has been placer mining in the canyon and below its mouth (MF-369, loc. 27). Both stream and bench placers are present in both mining areas. Has been mining from 1905 into the 1970's. The platinum that has been reported was probably from Willow Cr. or some other tributary. [Capps, 1913 (B 534); Mertie, 1919 (B 692); Reed and others, 1978 (MF-870-D)]

References

Brooks, 1906 (B 284), p. 7
Brooks, 1908 (B 345), p. 38
Brooks, 1910 (B 442), p. 43
Brooks, 1911 (P 70), p. 167
Brooks, 1911 (B 480), p. 38
Capps, 1912 (B 520), p. 182, 193-194
Capps, 1913 (B 534), p. 64-65
Brooks, 1914 (B 592), p. 65-66
Smith, 1917 (BMB 153), p. 42
Brooks, 1918 (B 662), p. 49
Martin, 1919 (B 692), p. 32-33
Mertie, 1919 (B 692), p. 255-257
Capps, 1924 (B 755), p. 129, 131
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 29
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 32-33
Smith, 1937 (B 880-A), p. 35-36
Smith, 1938 (B 897-A), p. 42
Smith, 1939 (B 910-A), p. 41
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 39
Joesting, 1942 (TDM 1), p. 20
Wedow and others, 1952 (OF 51), p. 74-75, 81

(Peters Cr.) -- cont.

Robinson and others, 1955 (B 1024-A), p. 2, 13, 19
Clark and Hawley, 1968 (OF 68-35), p. 4, 25, 30, 45
Koschmann and Bergendahl, 1968 (P 610), p. 13
Clark and Cobb, 1972 (MF-369), locs. 26, 27
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, locs. 25, 26
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112, 4-116, 4-117
Reed and others, 1978 (MF-870-D), locs. 81, 82

(Poorman Cr.) — Gold, Platinum, Thorium, Tin, Uranium

Yentna district — Talkeetna (17.65-17.7, 10.4-10.55)
MF-369, loc. 29 — 62 23'N, 150 59'W

Summary: Stream and bench placers (mainly bench). Bedrock Mesozoic slate and graywacke intruded by soda rhyolite porphyry dikes in upper part of course; entrenched in Tertiary continental deposits in lower part. Concentrates contain gold, garnet, cassiterite, zircon, magnetite, ilmenite, pyrite, and platinum. One sample contained 0.09% U and 0.06% ThO_2 with eU content of 0.229%. [Mertie, 1919 (B 692); Reed and others, 1978 (MF-870-D); Robinson and others, 1955 (B 1024-A)]

References

Paige and Knopf, 1907 (B 314), p. 119
Brooks, 1908 (B 345), p. 38
Capps, 1912 (B 520), p. 182, 196
Capps, 1913 (B 534), p. 66-671
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 257-259
Brooks, 1921 (B 714), p. 38
Capps, 1924 (B 755), p. 131
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 29
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2, 21
Clark and Hawley, 1968 (OF 68-35), p. 28-30
Mertie, 1969 (P 630), p. 89
Clark and Cobb, 1972 (MF-369), loc. 29
Cobb, 1973 (B 1374), p. 22
Hawley and Clark, 1973 (P 758-A), p. A5, A7
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 28
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-110, 4-112, 4-116
Reed and others, 1978 (MF-870-D), loc. 85

(Rambler Cr.) (Gulch)

Gold

Yentna district
MF-369, loc. 16

Talkeetna (16.3-16.4, 8.85-9.0)
62°30'N, 150°58'-150°59'W

Summary: Was placer-gold mining in early 1900's; last reported activity in 1913. Bedrock Tertiary continental deposits. [Capps, 1913 (B 534); Brooks, 1914 (B 592)]

References

Capps, 1912 (B 520), p. 182, 186-187, 190
Capps, 1913 (B 534), p. 57, 60-61
Brooks, 1914 (B 592), p. 65
Clark and Hawley, 1968 (OF 68-35), p. 30
Clark and Cobb, 1972 (MF-369), loc. 16
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 16
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112
Reed and others, 1978 (MF-870-D), loc. 78

(Ramsdyke Cr.) Gold

Valdez Creek district Talkeetna (17.7, 11.0) approx.
62°36'N, 150°50'W approx.

Summary: Mining has been reported. Site cannot be accurately located, [Cobb. 1972 (B 1374)

References

Smith, 1917 (BMB 153), p. 42
Smith, 1930 (B 810), p. 22
Smith, 1937 (B 880-A), p. 36
Cobb, 1973 (B 1374), p. 22

(Rocky Gulch)

Gold

Yentna district
MF-369, loc. 28

Talkeetna (17.4, 10.5) approx.
62°35'N, 150°50'W approx.

Summary: Small tributary of Willow Cr. on which there has been gold-placer mining. [Capps, 1913 (B 534)] See also (Willow Cr.)

References

Capps, 1912 (B 520), p. 195-196
Capps, 1913 (B 534), p. 66
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 29
Reed and others, 1978 (MF-870-D), loc. 84

(Ruby Gulch) (Cr., trib. Falls Cr.) Gold

Yentna district Talkeetna (16.05, 8.75)
MF-369, loc. 20 62°14'N, 151°01'W

Summary: Placer mining in 1938 reported. [Smith, 1939 (B 917-A)]
No other data.

References

Smith, 1939 (B 917-A), p. 39
Clark and Cobb, 1972 (MF-369), loc. 20
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 20
Reed and others, 1978 (MF-870-D), loc. 76

(Ruby Cr., trib. Willow Cr.) Gold, Platinum

Yentna district Talkeetna (17.45, 10.5)
MF-369, loc. 28 62°35'N, 150°50'W

Summary: Tributary of Willow Cr.; placer deposit is 4 ft. of gravel on bedrock of Tertiary continental deposits. Was mining in 1917. A little fine, flaky platinum with the gold. [Mertie, 1919 (B 692); Mertie, field notes for 1917]

References

Mertie, 1919 (B 692), p. 259-260
Clark and Hawley, 1968 (OF 68-35), p. 45
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 27
Reed and others, 1978 (MF-870-D), loc. 84

(Shellabarger Pass) — Copper, Gold, Lead, Silver, Zinc

Yentna district — Talkeetna (1.7, 9.7)
MF-870-D, loc. 14 — 62°34'N, 152°47'W

Summary: Marine volcanogenic massive sulfide deposits in eugeosynclinal sedimentary rocks overlain, and locally underlain, by submarine basaltic pillow flows. Copper content of basalt between 200 and 300 ppm. Sulfides, in decreasing order of abundance, are pyrite, marcasite, sphalerite, chalcopyrite, galena, and pyrrhotite. Sphalerite + chalcopyrite + galena rarely constitute more than 15% of sulfide minerals. Grade of massive bodies averages 1 to 1.5% Cu, 0.8 to 1.7% Zn, 0.9 to 2.4 oz. silver per ton, and less than 0.5% Pb. Gold content varies from 0.0006 to 0.15 oz. per ton. Indicated tonnage of known bodies is on the order of 50,000 tonnes. Silver, lead, and zinc might be recoverable by-products. [Reed and others, 1978 (MF-870-D); Reed and Eberlein, 1972 (B 1342)]

References

Clark and Cobb, 1972 (MF-369), loc. 1
Reed and Eberlein, 1972 (B 1342)
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 1
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-67 to 4-70
Reed and others, 1978 (MF-870-D), loc. 14
Reed and others, 1979 (C 775), p. 5, 10

(Shirley Lake)

Uranium

Yentna district
MF-870-D, loc. 37

Talkeetna (4.45, 0.05)
62°00'N, 152°27'W

Summary: Secondary uranium minerals sporadically localized along joints in Tertiary tuff and tuff breccia. Claims restaked in 1976. [Reed and others, 1978 (MF-870-D)] See also (Shirley Lake, Tyonek quad.; some or all of occurrence may be in Tyonek quad.

References

Freeman, 1963 (B 1155), p. 29-30
MacKevett and Holloway, 1977 (OF 77-169A), p. 76, loc. 3
Reed and others, 1978 (MF-870-D), loc. 37

(Short Cr.) Gold

Yentna district Talkeetna (16.0, 8.5)
MF-369, loc. 16 62°28'N, 151°02'W

Summary: Has been placer-gold mining; none in 1930. Bedrock is Tertiary continental deposits. [Smith, 1933 (B 836); Reed and others, 1978 (MF-870-D)]

References

Capps, 1924 (B 755), p. 130
Smith, 1933 (B 836), p. 28
Clark and Hawley, 1968 (OF 68-35), p. 45
Clark and Cobb, 1972 (MF-369), loc. 16
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 16
Hawley, C. C., and Assocites, Inc., 1978 (USBM OF 24-78), p. 4-113
Reed and others, 1978 (MF-870-D), loc. 78

(Slate Gulch) (Cr.) Gold

Yentna district Talkeetna (17.35, 10.5) approx.
MF-369, loc. 28 62°35'N, 150°50'W approx.

Summary: Small tributary of Willow Cr.; has been gold-placer mining. [Capps, 1913 (B 534)] See also (Willow Cr.)

References

Capps, 1912 (B 520), p. 195-196
Capps, 1913 (B 534), p. 66
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 27
Reed and others, 1978 (MF-870-D), loc. 84

(Snow Gulch) Gold

Yentna district Talkeetna (17.35, 10.5) approx.
MF-369, loc. 28 62°35'N, 150°50'W approx.

Summary: Small tributary of Willow Cr.; has been some gold-placer mining. [Capps, 1913 (B 534)] See also (Willow Cr.)

References

Capps, 1912 (B 520), p. 195-196
Capps, 1913 (B 534), p. 66
Clark and Cobb, 1972 (MF-369), loc. 28
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 27
Reed and others, 1978 (MF-870-D), loc. 84

(Spruce Cr.) Gold

Yentna district Talkeetna (16.35, 8.0) approx.
62°26'N, 151°00'W approx.

Summary: Mining in 1916 reported. [Smith, 1917 (BMB 153)]
Location given above accurate only within about 1½ mi.

Reference

Smith, 1917 (BMB 153), p. 42

(Susitna R.)	Gold
Valdez Creek, Willow Creek, and Yentna districts	Talkeetna (23.0-24.2, 0.5-11.35) 62°00'-62°37'N, 150°00'-150°11'W

Summary: Fine gold in bars from mouth of Yentna R. [Tyonek quad.] at least as far upstream as mouth of Indian R. [Talkeetna Mts. quad.]. Gold coarser above mouth of Chulitna R. [Brooks, 1911 (P 70)]

References

Eldridge, 1900, p. 20
Brooks, 1911 (P 70), p. 164-165
Cobb, 1973 (B 1374), p. 19

(Thunder Cr.) Copper, Gold, Tin, Tungsten

Yentna district Talkeetna (16.15-16.3, 8.8-9.2)
MG-369, loc. 21 62°29'-62°31'N, 150°59'-151°00'W

Summary: Stream placers and bench deposits in Tertiary quartz conglomerate probably derived from hydrothermally altered rocks in fault zone similar to that on Dollar Cr. Creek heads in Mesozoic slate and graywacke; lower part of stream course in Tertiary continental deposits. Concentrates contain gold, ilmenite, magnetite, garnet, zircon, pyrite, arsenopyrite, cassiterite, a little scheelite, and considerable native copper. [Reed and others, 1978 (MF-870-D); Clark and Hawley, 1968 (OF 68-35); Mertie, 1919 (B 692)]

References

Paige and Knopf, 1907 (B 314), p. 119
Capps, 1912 (B 520), p. 182, 190-191
Brooks, 1913 (B 542), p. 44
Capps, 1913 (B 534), p. 61
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 249-251
Capps, 1924 (B 755), p. 130
Capps, 1925 (B 773), p. 55, 57-59
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 28
Smith, 1933 (B 844-A), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1936 (B 868-A), p. 33
Smith, 1939 (B 910-A), p. 41
Smith, 1939 (B 917-A), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2, 13, 19
Clark and Hawley, 1968 (OF 68-35), p. 7, 34-35, 37-40, 45
Koschmann and Bergendahl, 1968 (P 610), p. 13
Clark and Cobb, 1972 (MF-369), loc. 21
Cobb, 1973 (B 1374), p. 21-22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 21
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-112 to 4-114
Reed and others, 1978 (MF-870-D), loc. 77

(Treasure Cr.) Gold

Yentna district
MF-369, loc. 20

Talkeetna (16.0, 9.0) approx.
62°15'N, 151°01'W approx.

Summary: Gold placer mining in 1916 reported. Bedrock probably Tertiary continental deposits. [Smith, 1917 (BMB 153); Reed and others, 1978 (MF-870-D)] See also (Falls Cr.)

References

Paige and Knopf, 1907 (B 314), p. 119
Smith, 1917 (BMB 153), p. 42
Clark and Cobb, 1972 (MF-369), loc. 20
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 20
Reed and others, 1978 (MF-870-D), loc. 76

(Twin Cr.) Gold

Yentna district Talkeetna (11.75-12.3, 6.0-6.1)
MF-369, loc. 13 62°20'N, 151°29'-151°33'W

Summary: Has been mined nearly all the way from confluence with Mills Cr. to headwater gulches. Production of placer gold must have been considerable. Bedrock poorly consolidated Tertiary continental deposits. [Cobb, 1973 (B 1374)] See also: (Big Boulder Cr.), (Boulder Cr.), (John(s) Cr.), (Little Boulder Cr.)

References

Capps, 1924 (B 755), p. 131
Smith, 1942 (B 933-A), p. 35
Clark and Cobb, 1972 (MF-369), loc. 13
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 67, loc. 13
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-121, 4-123
Reed and others, 1978 (MF-870-D), loc. 68

(Twin Mills Cr.) Gold

Yentna district Talkeetna (12.0, 6.0) approx.
62°20'N, 151°30' approx.

Summary: Mining reported, 1912. [Brooks, 1913 (B 542)] Undoubtedly typographical error for (Twin Cr.) and (Mills Cr.)

Reference

Brooks, 1913 (B 542), p. 44

(Wagner Gulch) (Cr.) Gold

Yentna district Talkeetna (11.9, 6.4)
MF-369, loc. 14 62°21'N, 151°32'W

Summary: Steep, narrow tributary of Mills Cr. cut in Tertiary continental deposits. Placer gold is bright, flat, and worn. Gold discovered in 1906. [Capps, 1913 (B 534)] See also (Mills Cr.)

References

Brooks, 1910 (B 442), p. 43
Capps, 1912 (B 520), p. 197
Capps, 1913 (B 534), p. 68
Clark and Cobb, 1972 (MF-369), loc. 14
Cobb, 1973 (B 1374), p. 22
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 14
Reed and others, 1978 (MF-870-D), loc. 69

(Whistler Cr.)	Gold
Valdez Creek district	Talkeetna (20.0, 14.0) approx. 62°49'N, 150°30'W approx.

Summary: Rich quartz float found on upper part of Whistler Cr., 1915; bedrock source not found. [Tuck, 1934 (B 857-C)]

References

Tuck, 1934 (B 857-C), p. 136
Hawley and Clark, 1973 (P 758-A), p. A6

(Willow Cr.) Gold, Platinum, Tin

Yentna district Talkeetna (17.35-17.55, 10.1-10.5)
MF-369, loc. 28 62°34'-62°35'N, 150°50'-150°51'W

Summary: Placer gold found in 1906 near contact between Mesozoic slate and Tertiary continental deposits. At least some of gold was probably derived from hydrothermally altered rock along a fault zone in a deposit similar to that on Dollar Cr. Concentrates contain gold, platinum, garnet, magnetite, ilmenite, zircon, cassiterite, and pyrite. Mining was carried on at least as recently as 1940. [Capps, 1913 (B 534); Martin, 1919 (B 692); Clark and Hawley, 1968 (OF 68-35); Smith, 1942 (B 933-A)] Includes reference to (Wilson Cr.)

References

Paige and Knopf, 1907 (B 314), p. 119
Capps, 1912 (B 520), p. 182, 195
Brooks, 1913 (B 542), p. 44
Capps, 1913 (B 534), p. 66
Brooks, 1914 (B 592), p. 66
Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 259
Brooks, 1921 (B 714), p. 38
Capps, 1924 (B 755), p. 131
Capps, 1925 (B 773), p. 55, 58-59
Smith, 1930 (B 810), p. 22
Smith, 1930 (B 813), p. 25
Smith, 1932 (B 824), p. 29
Smith, 1933 (B 836), p. 29
Smith, 1934 (B 857-A), p. 27
Smith, 1934 (B 864-A), p. 31
Smith, 1939 (B 917-A), p. 39
Smith, 1941 (B 926-A), p. 35
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 13
Clark and Hawley, 1968 (OF 68-35), p. 7, 11, 28, 34, 36-37, 39-40, 45
Koschmann and Bergendahl, 1968 (P 610), p. 13
Mertie, 1969 (P 630), p. 89
Clark and Cobb, 1972 (MF-369), loc. 28
Cobb, 1973 (B 1374), p. 21-22
Hawley and Clark, 1973 (P 758-A), p. A5
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 17
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-116
Reed and others, 1978 (MF-870-D), loc. 84

(Windy Cr.) Copper, Gold, Tin, Tungsten

Yentna district
MF-369, loc. 17

Talkeetna (15.15, 8.3)
62°28'N, 151°01'W

Summary: Bench deposit of glaciofluvial material. Bedrock Tertiary continental deposits. Concentrates reported to contain gold, pyrite, ilmenite, magnetite, garnet, arsenopyrite, zircon, cassiterite, scheelite, and native copper. [Mertie, 1919 (B 692)]

References

Smith, 1917 (BMB 153), p. 42
Mertie, 1919 (B 692), p. 254
Capps, 1924 (B 755), p. 131
Smith, 1930 (B 810), p. 22
Joesting, 1942 (TDM 1), p. 39
Smith, 1942 (B 933-A), p. 35
Robinson and others, 1955 (B 1024-A), p. 2
Clark and Hawley, 1968 (OF 68-35), p. 32-33
Clark and Cobb, 1972 (MF-369), loc. 17
MacKevett and Holloway, 1977 (OF 77-169A), p. 68, loc. 17
Reed and others, 1978 (MF-870-D), loc. 73

(Yentna Glacier) — Copper, Molybdenum

Yentna district — Talkeetna (10.35-10.6, 12.55-13.0)
MF-870-D, locs. 28, 29 — 62°43'-62°44'N, 151°41'-151°43'W

Summary: Cobbles on moraine derived from middle Tertiary granodiorite of Mt. Foraker contain fractures which are healed with molybdenite, pyrite, and minor chalcopyrite. Minor malachite staining in Paleozoic flysch terrane near pluton contact. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1978 (OF 77-169A), p. 70, loc. 84
Reed and others, 1978 (MF-870-D), locs. 28, 29

(Yentna R., West Fork)

Yentna district

Copper, Nickel

Talkeetna (4.75, 9.35)
62°32'N, 152°25'W

Summary: Hydrothermally bleached conglomerate with local zones of tactite; intruded by gabbro and porphyritic granite. Mineralization consists of disseminated pyrite, chalcopyrite, and possibly a nickel arsenide mineral (sample contains about 1% Ni and greater than 1% As). [Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-68)]

Reference
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-68), p. 4-65

Unnamed occurrence	Beryllium
McGrath district	Talkeetna (7.1, 14.65)
MF-870-D, loc. 10	62°50'N, 152°07'W

Summary: Float sample of quartz, muscovite, beryl, tourmaline greissen; medium-grained white beryl composes about 20 volume percent of the rock. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 70
Reed and others, 1978 (MF-870-D), loc. 10

Unnamed occurrence — Beryllium

McGrath district — Talkeetna (6.7, 15.6)
MF-870-D, loc. 9 — 62°53'N, 152°10'W

Summary: Float sample of altered lower Tertiary granite containing beryl crystals as much as 8 cm long. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 69
Reed and others, 1978 (MF-870-D), loc. 9

Unnamed occurrence	Chromite
Yentna district MF-870-D, loc. 27	Talkeetna (9.5, 12.2) 62°42'N, 151°49'W

Summary: Disseminated chromite in mafic and ultramafic rock that locally is cut by thin veinlets of late magnetite. Minor amounts of sulfide minerals. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 83
Reed and others, 1978 (MF-870-D), loc. 27

Unnamed occurrence — Chromite

Yentna district — Talkeetna (9.65, 12.5)
MF-870-D, loc. 26 — 62°43'N, 151°48'W

Summary: Disseminated chromite in dunite of Mesozoic and/or Paleozoic age. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 82
Reed and others, 1978 (MF-870-D), loc. 26

Unnamed occurrence

Chromite

Yentna district
MF-870-D, loc. 23

Talkeetna (8.75, 12.9)
62°44'N, 151°55'W

Summary: Sheared ultramafic rock contains disseminations of chromite. Massive chromite float. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 79
Reed and others, 1978 (MF-870-D), loc. 23

Unnamed occurrence	Chromite
Yentna district	Talkeetna (9.45, 13.15)
MF-870-D, loc. 25	62°45'N, 151°49'W

Summary: Disseminated chromite in dunite of Mesozoic and/or Paleozoic age. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 81
Reed and others, 1978 (MF-870-D), loc. 25

Unnamed occurrence	Chromite, Molybdenum
Yentna district MF-870-D, loc. 24	Talkeetna (9.45, 13.15) 62°45'N, 151°49'W

Summary: Molybdenite-quartz vein, 20–50 cm wide, in chromite-bearing dunite of Mesozoic and/or Paleozoic age. Molybbenite in foliated tabular crystals as much as 5 cm in diameter locally composes 20 volume percent of vein. Vein probably related to adjacent and underlying(?) middle Tertiary granodiorite of Mr. Foraker. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 80
Reed and others, 1978 (MF-870-D), loc. 24

Unnamed occurrence — Copper

Yentna district — Talkeetna (3.0, 5.4)
MF-870-D, loc. 34 — 62°18'N, 152°38'W

Summary: Altered olivine-bearing pyroxene-biotite quartz monzonite of early Tertiary age contains local disseminations of chalcopyrite, pyrite, pyrrhotite, and other sulfide minerals. In places the mineralization is confined to narrow fractures in the quartz monzonite. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 89
Reed and others, 1978 (MF-870-D), loc. 34

Unnamed occurrence	Copper
McGrath district	Talkeetna (2.25, 13.0)
MF-870-D, loc. 2	62°45'N, 152°43'W

Summary: Five-cm-thick stratiform lens of chalcocite in lower Paleozoic phyllite; secondary hydrous copper carbonate minerals sporadically present in surrounding area. [Reed and others, 1978 (MF-870-B)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 65
Reed and others, 1978 (MF-870-B), loc. 2

Unnamed occurrence — Copper

McGrath district — Talkeetna (8.9, 17.05)
MF-870-D, loc. 12 — 62°58'N, 151°53'W

Summary: Float sample of quartz semischist containing secondary hydrous copper carbonate minerals. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 12

Unnamed occurrence	Copper, Gold, Silver
Yentna district	Talkeetna (6.5, 9.8)
MF-870-D, loc. 19	62°33'N, 152°12'W

Summary: Massive bornite and chalcopyrite, 0.1 to 0.8 m wide, in tactite between upper Paleozoic sedimentary rocks and Cretaceous or Tertiary granitic rocks. Sample taken across about 0.9 m contained about 41 oz. silver per ton. Free gold in thin calcite-diopside seams. [Reed and others, 1978 (MF-870-D); Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 75
Hawley, C. C., and Associates, Inc., 1978 (USBM OF 24-78), p. 4-61 to 4-64
Reed and others, 1978 (MF-870-D), loc. 19

Unnamed occurrence	Copper, Nickel(?)
McGrath district	Talkeetna (7.4, 15.55)
MF-870-D, loc. 11	62°53'N, 152°05'W

Summary: Float samples of serpentinite that contain veins and irregular segregations of pyrite, chalcopyrite, and pentlandite(?); source of float is ultramafic rocks to south. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 11

Unnamed occurrence	Gold
Yentna district	Talkeetna (0.6, 0.05)
MF-870-D, loc. 35	62°00'N, 152°55'W

Summary: Altered granodiorite float containing thin (less than 5 mm wide) veinlets of arsenopyrite and pyrite that contain trace (1.5 ppm) amounts of gold. Gold-bearing quartz-sulfide veins present in granodiorite of Mt. Estelle to south in Tyonek quad. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 90
Reed and others, 1978 (MF-870-D), loc. 35

Unnamed occurrence	Gold
Yentna district	Talkeetna (1.1, 0.25)
MF-870-D, loc. 36	62°01'N, 152°52'W

Summary: Visible gold in pan-concentrate sample from stream gravels. About at contact between Lower Cretaceous and/or Jurassic marine sedimentary rocks and Upper Cretaceous and/or lower Tertiary granitic rocks [granodiorite]. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 36

Unnamed occurrence	Gold
Yentna district	Talkeetna (6.7, 0.45)
MF-870-D, loc. 38	62°02'N, 152°11'W

Summary: Abundant gold in pan-concentrate samples from stream gravels that drain hydrothermally altered Mesozoic graywacke and argillite; quartz breccia float along stream bed. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 71, loc. 91
Reed and others, 1978 (MF-870-D), loc. 38

Unnamed occurrence	Gold
Yentna district	Talkeetna (5.1, 9.2)
MF-870-D, loc. 18	62°31'N, 152°22'W

Summary: Visible gold in pan-concentrate sample from stream gravels. [Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 74
Reed and others, 1978 (MF-870-D), loc. 18

Unnamed occurrence	Gold
McGrath district	Talkeetna (1.9, 0.8)(?)
MF-870-D, loc. 13(?)	62°37'N, 152°45'W(?)

Summary: Unconfirmed location of gold-bearing mariposite-rich boulders. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 13

Unnamed occurrence	Gold
Willow Creek district MF-870-D, loc. 44	Talkeetna (17.45, 11.85) 62°40'N, 150°50'W

Summary: Visible gold in pan-concentrate sample from stream gravel. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 44

Unnamed occurrence	Gold
Willow Creek district MF-870-D, loc. 43	Talkeetna (16.5, 12.4) 62°42'N, 150°57'W

Summary: Visible gold in pan-concentrate sample from stream gravel. Area underlain by marine sedimentary rocks of Early Cretaceous and/or Jurassic age. [Reed and others, 1978 (MF-870-D)]

Reference

Reed and others, 1978 (MF-870-D), loc. 43

Unnamed occurrence — Gold, Tungsten

Yentna district — Talkeetna (2.55, 8.5)
MF-870-D, loc. 16 — 62°29'N, 152°41'W

Summary: Quartz-tourmaline-wolframite-scheelite vein, 10-20 cm wide, in lime-silicate rock that is intruded by Tertiary granite; similar float abundant in surrounding area. Vein contains trace amounts of gold. (Reed and others, 1978 (MF-870-D)]

References

MacKevett and Holloway, 1977 (OF 77-169A), p. 70, loc. 72
Reed and others, 1978 (MF-870-D), loc. 16

Synonyms, Owners, Operators, and Claim Names

Adams -- see (Falls Cr.)
Alaska Continental Gold Mines -- see (Lake Cr.)
Alaska Exploration Mining Co. -- see (Bird Cr.)
Anna Bub -- see (Dollar Cr.)
Battle-Axe Association -- see (Thunder Cr.)
Boedaker -- see Boedeker
Bradley -- see (Bird Cr.), (Cache Cr.)
Bubb & Bahern -- see (Dollar Cr.)
Cache Creek Dredging Co. -- see (Cache Cr.)
Cache Creek Mining Co. -- see (Cache Cr.), (Nugget Cr.)
Carlson -- see (Falls Cr.)
Conhart Mining Co. -- see (Dollar Cr.)
Devault, Devault & Leitz -- see (Pass Cr.)
(Dog Cr.) -- see (Canyon Cr.)
Dutch Creek Mining Co. -- see (Dutch Cr.), (First Cr.)
Ebheart & Anderson -- see (Falls Cr.)
Eiderstein -- see (Peters Cr.)
Erickson -- see (Cache Cr.)
Francis & Foster -- see (Canyon Cr.)
Funk -- see (Falls Cr.)
Gage & Mack -- see (Thunder Cr.)
Gold Placer, Ltd. -- see (Cache Cr.)
Grandview Exploration Co. -- see (Boulder Cr. McGrath dist., Hogback, J & K, Mespelt
Gray -- see (Treasure Cr.)
Gredakin -- see (Bird Cr.)
Hamberg & Gliska -- see (Pass Cr.)
Hamersmith -- see (Bird Cr.)
Hansen -- see (Willow Cr.)
Harper Bros -- see (Nugget Cr.)
Haugham -- see (Thunder Cr.)
Jenkins -- see (Willow Cr.)
Jiles-Knudson -- see J & K
Jiles, Knudson & Cators -- see J & K
Jumping Jack -- see (Nugget Cr.)
Kast, Nelson & Larson -- see (Poorman Cr.)
Krummenacher -- see (Chechako Gulch)
Little Mountain -- see Hogback
(Long Cr.) -- see (Canyon Cr.)
McCullough -- see (Dollar Cr.)
McDonald, Pat, Inc. -- see (Peters Cr.)
McElroy & Remmer -- see (Falls Cr.)
Morgan -- see (Cache Cr.), (Nugget Cr.)
Murray -- see (Cache Cr.), (Nugget Cr.)
Murray & Harper -- see (Cache Cr.)
Nagley and assocites -- see (Falls Cr.)
(Nakoshna R.) -- see (Nakochna R.)

Obermiller & Englehorn -- see (Cache Cr.)
Peters Creek Mining Co. -- see (Peters Cr.)
Peters Creek Placer Co. -- see (Peters Cr.)
Peterson -- see (Cache Cr.)
(Pineo Bar) -- see (Cache Cr.)
Price -- see (Nugget Cr.)
Purkey(pile) -- see (Boulder Cr.) McGrath dist., Hogback, J & K, Mespelt
Raymond -- see (Nugget Cr.)
Rice -- see (Willow Cr.)
Richardson -- see (Ramsdyke Cr.)
St. Louis -- see (Bird Cr.)
(Sholan Bar) -- see (Kahiltna R.)
Smith & Hogan -- see (Nugget Cr.)
Spokane-Peters Creek Mining Co. -- see (Peters Cr.)
Taraski -- see (Cache Cr.)
Tesmer & Beidermann -- see (Cache Cr.)
Thunder Creek Mining Co. -- see (Falls Cr.), (Thunder Cr.), (Windy Cr.)
Wagner -- see (Bird Cr.)
Wagner & Co. -- see (Cottonwood Cr., trib. Camp Cr.), (Mills Cr.)
Weatherall & Andresen -- see (Gold Cr.)
Wetherell -- see (Cache Cr.)
(Wilson Cr.) -- see (Willow Cr.)
Wolf & Maloche -- see (Spruce Cr.)
Yentna Dredging Co. -- see (Cache Cr.)
Young -- see (Falls Cr.)

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