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 CHANDALAR QUADRANGLE, ALASKA

Compiled by

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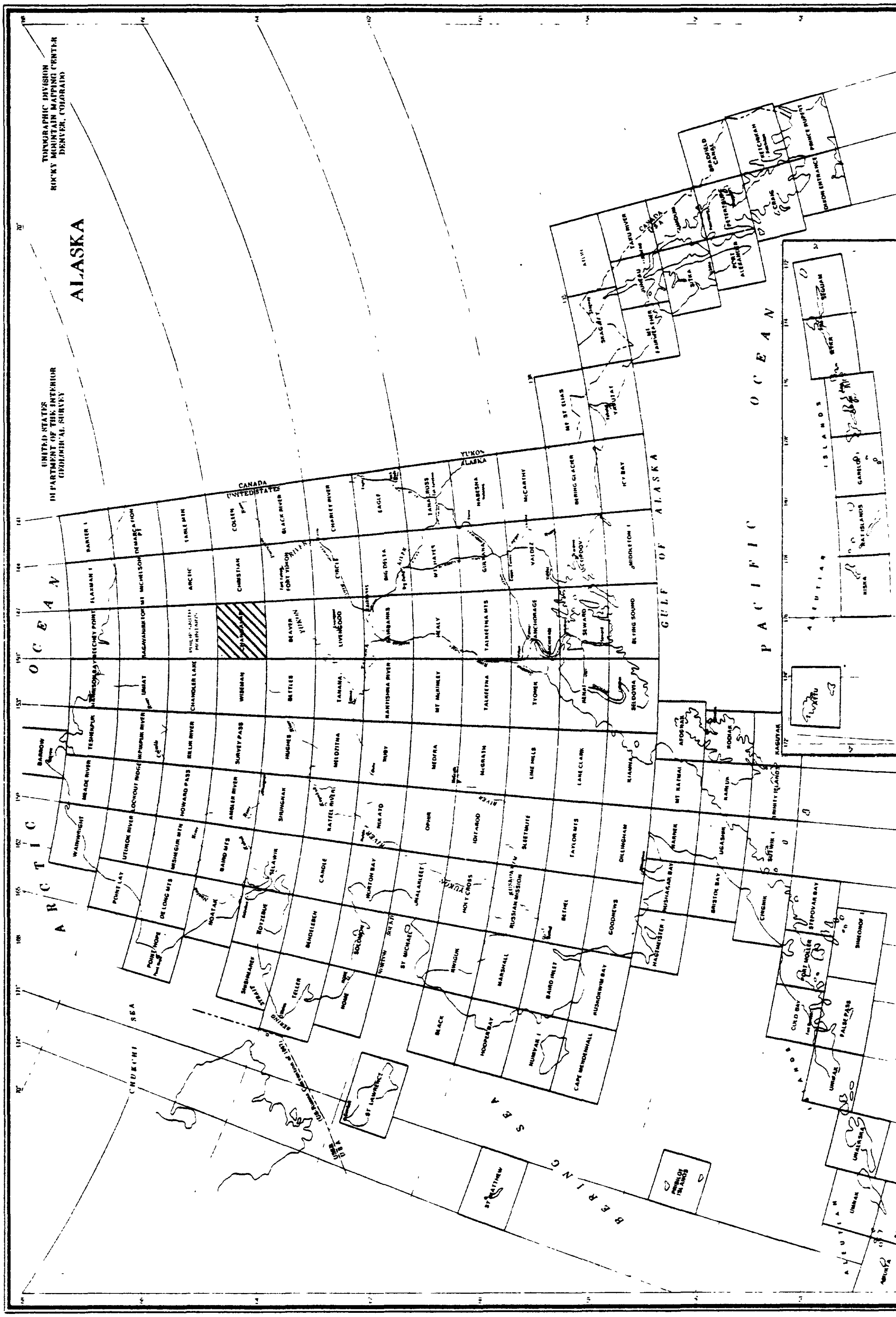
Introduction

These summaries of references are designed to aid in library research on metallic and nonmetallic (other than mineral fuels and construction materials) mineral occurrences in the Chandalar quadrangle, Alaska. All references to reports of the Geological Survey, to most reports of the U.S. Bureau of Mines, and to most reports of the State of Alaska Division of Geological and Geophysical Surveys and its predecessor State and Territorial agencies released before September, 1982, are summarized. Certain, mainly statistical, reports such as the annual Minerals Yearbook of the U.S. Bureau of Mines and most biennial and annual reports of the State of Alaska Division of Geological and Geophysical Surveys and its predecessor State and Territorial agencies are not included.

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


ALASKA
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
TOPOGRAPHIC DIVISION
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PACIFIC OCEAN
GULF OF ALASKA
BERING SEA
CHUKCHI SEA

Summaries of References

For each mineral occurrence there is a page that gives the name of the occurrence; the mineral commodities present (listed alphabetically for metallic commodities and then for nonmetallic commodities); the mining district (Ransome and Kerns, 1954) in which the occurrence is located; the name of the 1:250,000-scale topographic quadrangle; coordinates (as described by Cobb and Kachadoorian, 1961, p. 3-4); the metallic mineral resources map number (Cobb, 1972, in the reference list for each quadrangle) and the occurrence number on that map if the occurrence is shown; and the latitude and longitude of the occurrence. These data, presented at the top of the page, are followed by a short, general summary of the published information on the occurrence.

Proper names of mines, prospects, and other mineral occurrences usually are given if such names appear in the reports summarized. If a deposit does not have such a name or has been known by many names, but is near a named geographic feature, the name of that feature is shown in parentheses in lieu of a proper name. 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 proper name is not always used in a reference, that part of the name is shown in parentheses. This is most common in company names and in place names with minor variations in spelling.

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 (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 Alaskan Geology Branch of the U.S. Geological Survey)
MF	U.S. Geological Survey Miscellaneous Field Studies Map
I	U.S. Geological Survey Miscellaneous Investigations Series Map
P	U.S. Geological Survey Professional Paper
TDM	Alaska Territorial Department of Mines Pamphlet

Summaries were made while reading the cited reports, and there was no attempt to use complete sentences or to edit for grammatical consistency, although an attempt to edit out ambiguities was made.

References cited only in these introductory paragraphs are:

Cobb, E. H., and Kachadoorian, Reuben, 1961, Index of metallic and nonmetallic mineral deposits of Alaska compiled from published reports of Federal and State agencies through 1959: U.S. Geological Survey Bulletin 1139, 363 p.

Ransome, A. L., and Kerns, W. H., 1954, Names and definitions of regions, districts, and subdistricts in Alaska (used by the Bureau of Mines in statistical and economic studies covering the mineral industry of the Territory): U.S. Bureau of Mines Information Circular 7679, 91 p.

(Anderson Cr.) Copper

Chandalar district Chandalar (9.25, 11.5)
MF-878-B, loc. 1 67°39'N, 148°36'W

Malachite and chalcopyrite in quartz vein. Country rock Paleozoic or older quartz muscovite schist near a body of granitic rock.

(Anderson Cr.)

Grybeck, 1977 (OF 77-166C), p. 36, loc. 38
*De Young, 1978 (MF-878-B), loc. 1

(Bettles R.) Gold

Koyukuk district Chandalar
MF-457, loc. 33 (in part) S½NW¼ quad.

A canyon about 100 ft deep in Paleozoic or older schist. Several claims across from mouth of Garnet Creek were drift mined; area mined out in 1936-37 ran about 50¢ per ft^2 of bedrock cleaned. Most of mining reported as on Bettles R. was on tributaries. See also: (Eightmile Cr.), (Emory Cr.), (Garnet Cr.), (Mule Cr.), (Phoebe Cr.), (Robert Cr.), (Spruce Cr.).

(Bettles R.)

Maddren, 1913 (B 532), p. 104-105
Smith, 1930 (B 813), p. 33
Reed, 1938, p. 43-44
Smith, 1938 (B 897-A), p. 54
Smith, 1942 (B 933-A), p. 47
Cobb, 1972 (MF-457), loc. 33
*Cobb, 1976 (OF 76-340), p. 5
*De Young, 1978 (MF-878-B), loc. 3

Bibban	Copper
Chandalar district MF-878-B, loc. 4	Chandalar (8.3, 15.5) 67°53'N, 148°45'W

Quartz veinlets in Silurian-Devonian Skajit Limestone near contact with Upper Devonian Hunt Fork Shale contain malachite and chalcopyrite.

Bibban

Grybeck, 1977 (OF 77-166C), p. 35, loc. 30
*De Young, 1978 (MF-878-B), loc. 4

(Big Cr.)

Antimony, Copper, Gold, Lead, Monazite, Silver, Tungsten, Zinc

Chandalar district
MF-457, locs. 22, 43

Chandalar (11.9-12.25, 9.25-9.7)
67°31'-67°33'N, 148°10'-148°14'W

Lodes - Lode deposits near head of creek consist of steeply dipping sheeted auriferous quartz veins in Paleozoic or older schistose rocks cut by granite gneiss. The principal veins, which are controlled by high-angle faults, carry free gold, appreciable arsenopyrite, pyrite, and sphalerite, and traces of stibnite, galena, chalcopyrite, and siderite. Some gold is with the sulfides; silver accompanies galena and sphalerite. A small prospecting mill was set up in 1909-10 and a small amount of ore milled. Placer - Gold discovered in 1906. Mining was by hand methods until after World War II, when mechanized equipment was introduced; total production was about 15,000 fine oz, of which two-thirds was after 1950. Placers were derived from lodes near head of creek and, unlike those on some neighboring creeks, are not separable into preglacial and postglacial deposits. Minerals in concentrates include: gold, pyrite, hematite, limonite, monazite, scheelite, rutile, arsenopyrite, chalcopyrite, galena, ilmenite.

(Big Cr.)

Brooks, 1907 (B 314), p. 38
Brooks, 1908 (B 345), p. 46
Brooks, 1909 (B 379), p. 30-31, 57
Maddren, 1910 (B 442), p. 315
Brooks, 1911 (B 480), p. 35
Brooks, 1912 (B 520), p. 38
Maddren, 1913 (B 532), p. 112-116
Brooks, 1915 (B 622), p. 64-65
Brooks, 1916 (B 642), p. 67
Brooks, 1922 (B 722), p. 58
Brooks, 1923 (B 739), p. 41
Brooks and Capps, 1924 (B 755), p. 45
Mertie, 1925 (B 773), p. 260-263
Smith, 1926 (B 783), p. 14
Smith, 1929 (B 797), p. 22
Smith, 1930 (B 813), p. 33-34
Smith, 1932 (B 824), p. 40
Smith, 1933 (B 836), p. 40
Smith, 1933 (B 844-A), p. 40
Smith, 1934 (B 857-A), p. 37
Smith, 1934 (B 864-A), p. 41
Smith, 1936 (B 868-A), p. 43
Smith, 1937 (B 880-A), p. 46
Smith, 1938 (B 897-A), p. 55
Smith, 1939 (B 910-A), p. 58
Smith, 1939 (B 917-A), p. 57
Smith, 1941 (B 926-A), p. 54
Smith, 1942 (B 933-A), p. 50
Wedow and others, 1952 (OF 52-165), p. 14

(Big Cr.) -- cont.

White, 1952 (C 195), p. 8, 11
Nelson and others, 1954 (C 348), p. 16
Brosgé and Reiser, 1964 (I-375)
Berg and Cobb, 1967 (B 1246), p. 204
Overstreet, 1967 (P 530), p. 110
Chipp, 1970 (GR 42), p. 5
Brosgé and Reiser, 1972 (P 709), p. 3
Cobb, 1972 (MF-457), locs. 22, 43
Cobb, 1973 (B 1374), p. 113-114
*Cobb, 1976 (OF 76-340), p. 6-8
Cobb, 1977 (OF 77-168B), p. 9, loc. 4
Grybeck, 1977 (OF 77-166C), p. 38, loc. 47
*De Young, 1978 (MF-878-B), loc. 5
Grybeck and De Young, 1978 (OF 78-1-B), p. 13
Reiser and others, 1979 (C 758), p. 2

(Big Jim Cr., trib. Dietrich R.) Copper, Lead

Koyukuk district
MF-878-B, loc. 6

Chandalar (0.3, 15.15)
67°52'N, 149°56'W

Galena and copper sulfides and(or) malachite-azurite stains on Upper Devonian phyllite with some siltstone and sandstone.

(Big Jim Cr., trib. Dietrich R.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 1
*Cobb, 1976 (OF 76-340), p. 9
Grybeck, 1977 (OF 77-166C), p. 34, loc. 10
De Young, 1978 (MF-878-B), loc. 6

(Big Jim Cr., trib. Twin Lakes) Copper, Gold

Koyukuk district Chandalar (6.35. 9.4)
MF-878-B, loc. 7 67°32'N, 149°03'W

Small-scale placer mining for gold; native-copper nuggets have been found. Includes reference to (Suklak Cr.), old name for this stream.

(Big Jim Cr., trib. Twin Lakes)

Reed, 1938, p. 49
Cobb, 1972 (MF-457), loc. 36
*Cobb, 1976 (OF 76-340), p. 10
De Young, 1978 (MF-878-B), loc. 7

(Big Joe Cr.) Gold

Chandalar district
MF-878-B, loc. 8

Chandalar (11.4, 8.25)
67°28'N, 148°18'W

Gold in quartz vein in Paleozoic or older quartz-muscovite schist.

(Big Joe Cr.)

Brosgé and Reiser, 1972 (P 709), p. 19
Cobb, 1972 (MF-457), loc. 20
Cobb, 1976 (OF 76-340), p. 11
Grybeck, 1977 (OF 77-166C), p. 36, loc. 41
*De Young, 1978 (MF-878-B), loc. 8

(Big Squaw Creek)

Antimony, Gold, Lead, Molybdenum, Monazite, Thorium, Uranium

Chandalar district
MF-457, locs. 23, 44

Chandalar (11.9-12.0, 9.65-10.1)
67°33'-67°34'N, 148°12'-148°14'W

Glacial damming and disruption of drainage caused development of two generations, one preglacial and one postglacial, of placers as on neighboring Little Squaw Cr. Minerals in placers derived from nearby lodes. Concentrates contain: gold, pyrite, arsenopyrite, stibnite, monazite, uranothorianite, galena, molybdenite, and zircon. For general description of lodes in area (applicable to lodes at the head of Big Squaw Cr.), see entry for (Big Cr.).

(Big Squaw Cr.)

Maddren, 1913 (B 532), p. 112-115
Mertie, 1925 (B 773), p. 259-260, 263
Smith, 1926 (B 783), p. 14
Smith, 1930 (B 813), p. 34
Nelson and others, 1954 (C 348), p. 16, 18-19
Overstreet, 1967 (P 530), p. 110
Chipp, 1970 (GR 42), p. 17
Cobb, 1972 (MF 457), locs. 23, 44
Cobb, 1973 (B 1374), p. 113-114
*Cobb, 1976 (OF 76-340), p. 12
Cobb, 1977 (OF 77-168B), p. 9, loc. 5
De Young, 1978 (MF-878-B), loc. 9

Bob	Lead, Silver, Zinc
Chandalar district MF-878-B, loc. 10	Chandalar (8.7, 15.45) 67°52'N, 148°41'W

Galena and sphalerite with silver in skarn associated with limestone.

Grybeck, 1977 (OF 77-166C), p. 35, loc. 29
*De Young, 1978 (MF-878-B), loc. 10

(Boer Gulch) Gold(?)

Koyukuk district Chandalar (2.85, 8.15) approx.
MF-878-B, loc. 11 67°28'N, 149°35'W approx.

Prospect shafts failed to find pay after reported gold discovery in 1901.

(Boer Gulch)

Maddren, 1910 (B 442), p. 312
Maddren, 1913 (B 532), p. 107-108
Reed, 1938, p. 32
Cobb, 1976 (OF 76-340), p. 13
*De Young, 1978 (MF-878-B), loc. 11

(Butte Cr.)

Gold

Koyukuk district
MF-878-B, loc. 13

Chandalar (4.25, 8.5)
67°29'N, 149°22'W

Fair prospects found, 1937. Creek called Shamrock on mcdern maps.

(Butte Cr.)

Reed, 1938, p. 40-41
Cobb, 1972 (MF-457), loc. 32
*Cobb, 1976 (OF 76-340), p. 14
De Young, 1978 (MF-878-B), loc. 13

(California Cr.) Gold

Koyukuk district Chandalar (3.5, 8.35)
MF-457, loc. 30 67°29'N, 149°29'W

Placer gold discovered in 1901 and mined on a small scale (and probably intermittently) until 1931. Mining in present stream channel and from shafts about 18 ft deep. See also (Jim Gulch), (Wakeup Cr.).

(California Cr.)

Schrader, 1904 (P 20), p. 102
Maddren, 1910 (B 442), p. 292, 312
Maddren, 1913 (B 532), p. 70, 107-108
Brooks, 1918 (B 662), p. 59
Smith, 1932 (B 824), p. 38
Reed, 1938, p. 33-34
Cobb, 1972 (MF-457), loc. 30
*Cobb, 1976 (OF 76-340), p. 15
De Young, 1978 (MF-878-B), loc. 14

(Chandalar R., North Fork)

Gold, Lead, Silver

Chandalar district
MF-878-B, loc. 16

Chandalar (9.5, 14.8)
67°50'N, 148°38'W

Quartz vein contains 5 ppm Ag and 14 ppm Au. Nearby galena in limestone contains 360 ppm Ag and 6.5 ppm Au.

(Chandalar R., North Fork)

Schrader, 1900, p. 485
Brosgé and Reiser, 1972 (P 709), p. 20
Cobb, 1972 (MF-457), loc. 10
Cobb, 1976 (OF 76-340), p. 17
Grybeck, 1977 (OF 77-166C), p. 36, loc. 33
*De Young, 1978 (MF-878-B), loc. 16

(Crab Cr.)

Koyukuk district
MF-878-B, loc. 18

Gold

Chandalar (3.7, 8.9)
67°30'N, 149°27'W

Three pieces of gold found during extensive prospecting before 1938.

(Crab Cr.)

Reed, 1938, p. 40
Cobb, 1976 (OF 76-340), p. 18
*De Young, 1978 (MF-878-B), loc. 18

(Dennys Gulch) Gold

Chandalar district Chandalar (5.9, 7.0)
MF-878-B, loc. 19 67°24'N, 149°08'W

Placer gold has been mined. Bedrock is highly deformed Paleozoic or older mica schist cut by many quartz veins that contain pyrite.

(Dennys Gulch)

Freeman, 1963 (B 1155), p. 31
Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 41
Cobb, 1973 (B 1374), p. 114
*Cobb, 1976 (OF 76-340), p. 20
Cobb, 1977 (OF 77-168B), p. 9, loc. 2
*De Young, 1978 (MF-878-B), loc. 19

(Dictator Cr.) Gold

Chandalar district Chandalar (12.15, 6.6) approx.
67°22'N, 148°12'W approx.

Placer gold mining in 1928 and 1933 and prospecting in 1930 were reported; location on creek not given.

(Dictator Cr.)

Smith, 1930 (B 813), p. 34
Smith, 1933 (B 836), p. 41
Smith, 1934 (B 864-A), p. 41
Cobb, 1973 (B 1374), p. 114
*Cobb, 1976 (OF 76-340), p. 21
De Young, 1978 (MF-878-B), loc. 20

(Eightmile Cr.) Gold, Mercury

Koyukuk district Chandalar (4.25, 9.9)
MF-878-B, loc. 21 67°34'N, 149°22'W

Reports of mining before 1938 and of the occurrence of placer gold and cinnabar. Bedrock is Paleozoic or older calcareous schist.

(Eightmile Cr.)

Maddren, 1910 (B 442), p. 310
Maddren, 1913 (B 532), p. 105
Reed, 1938, p. 44
Joesting, 1943 (TDM 2), p. 18
Cobb, 1972 (MF-457), loc. 34
Cobb, 1976 (OF 76-340), p. 23
*De Young, 1978 (MF-878-B), loc. 21

(Emory Cr.) Gold

Koyukuk district Chandalar (2.6, 9.7)
MF-878-B, loc. 22 67°33'N, 149°37'W

Placer mining in early 1900's. Production from 1900 to 1909 was worth about $10,000 (about 484 fine oz of gold).

(Emory Cr.)

Maddren, 1910 (B 442), p. 292, 310
Maddren, 1913 (B 532), p. 69, 104-105
Reed, 1938, p. 30
Cobb, 1972 (MF-457), loc. 29
*Cobb, 1976 (OF 76-340), p. 24
De Young, 1978 (MF-878-B), loc. 22

Eneveloe	Gold, Lead
Chandalar district	Chandalar (11.8, 9.6)
MF-878-B, loc. 23	67°32'N, 148°15'W

Quartz veins with free gold (assay of $198 (about 9.6 oz) per ton reported) and minor galena and scorodite. Adit driven 165 ft before 1913. For general description of lodes in area see entry for (Big Cr.).

Eneveloe

Maddren, 1913 (B 532), p. 113-115
Mertie, 1925 (B 773), p. 262
Chipp, 1970 (GR 42), p. 20
Cobb, 1972 (MF-457), loc. 23
*Cobb, 1976 (OF 76-340), p. 25
De Young, 1978 (MF-878-B), loc. 23

Evelyn Lee

Copper

Koyukuk district
MF-878-B, loc. 24

Chandalar (4.9, 11.55)
67°40'N, 149°14'W

Chalcopyrite, bornite, and pyrite in contact skarns developed in marble of Devonian and Silurian Skajit Limestone close to or in contact with hornblende granodiorite porphyry. Isolated tactite bodies as much as about 100 m long and about 10 m wide. Grades of tactite outcrops as high as 10% Cu. Total estimated potential about 1 million metric tons of material carrying 5% Cu. Claims staked in 1969 and 1970.

Evelyn Lee

Grybeck, 1977 (OF 77-166C), p. 34, loc. 19
*De Young, 1978 (MF-878-B), loc. 24

(Garnet Cr.) Gold

Koyukuk district Chandalar (4.0-4.15, 9.7-9.9)
MF-457, loc. 33 67°33'-67°34'N, 149°23'-149°25'W

Bedrock is schist. Part of stream that has been mined for placer gold is in a narrow canyon. Gravel is as much as 8 ft thick; gold is on bedrock or near base of gravel. Ground near mouth mined in 1937 ran 77¢ per ft^2 of bedrock. A high channel graded to a bench of Bettles R. has not been prospected.

(Garnet Cr.)

Maddren, 1910 (B 442), p. 292, 310
Maddren, 1913 (B 532), p. 69, 104
Reed, 1938, p. 41-43
Cobb, 1972 (MF-457), loc. 33
*Cobb, 1976 (OF 76-340), p. 27
De Young, 1978 (MF-878-B), loc. 3

Gayle — Copper, Lead, Silver, Zinc

Chandalar district — Chandalar (8.45, 15.15)
MF-878-B, loc. 25 — 67°52'N, 148°43'W

Copper sulfide minerals and(or) malachite-azurite stains near top of Skajit Limestone of Silurian and Devonian age. Sphalerite and galena with silver in small veinlets and stockworks in altered limestone and marble. Claims staked in 1972 and 1973.

Gayle

Brosgé and Reiser, 1964 (I-375) [name not used]
Berg and Cobb, 1967 (B 1246), p. 204 [name not used]
Cobb, 1972 (MF-457), loc. 8 [name not used]
Cobb, 1976 (OF 76-340), p. 78 [name not used]
Grybeck, 1977 (OF 77-166C), p. 35, loc. 29
*De Young, 1978 (MF-878-B), loc. 25

(Geroe Cr.) Copper, Molybdenum

Chandalar and Koyukuk districts
MF-878-B, loc. 26

Chandalar (7.95, 11.9)
67°41'N, 148°48'W

Porphyry molybdenum deposit associated with Geroe Creek granitic pluton; disseminated molybdenite and copper sulfide minerals. Claims staked in 1975 and 1976.

(Geroe Cr.)

Grybeck, 1977 (OF 77-166c), p. 36, loc. 36
*De Young, 1978 (MF-878-B), loc. 26

Ginger

Copper

Koyukuk district
MF-878-B, loc. 27

Chandalar (4.9, 12.45)
67°43'N, 149°15'W

Copper sulfide minerals and(or) malachite-azurite stains in thrust fault-bounded block of Silurian and Devonian Skajit Limestone. Isolated tactite bodies contain less than 0.2% Cu. Claims staked, 1969-72.

Ginger

Brosgé and Reiser, 1964 (I-375) [name not used]
Cobb, 1972 (MF-457), loc. 5 [name not used]
Cobb, 1976 (OF 76-340), p. 76 [name not used]
Grybeck, 1977 (OF 77-166C), p. 35, loc. 20 [name not used]
*De Young, 1978 (MF-878-B), loc. 27

(Gold Cr.)

Antimony, Gold

Koyukuk district
MF-457, loc. 28

Chandalar (1.45-2.1, 9.0-9.1)
67°31'N, 149°41'-149°47'W

Bedrock is schist intruded by a diroite dike through which the stream has cut. Gold Cr. originally flowed to the Middle Fork of the Koyukuk R. where Linda Cr. now is, but glacial drainage derangement or stream capture diverted the lower mile of its course. Gold Cr. has bench placer not far above the present stream, stream placers of the present channel, and placers in a deeply buried channel; all have been mined. Angular fragments of stibnite with quartz stringers in them have been found in stream gravels. Gold discovered in 1900 and mined in many years until as recently as 1974; mining not reported between 1916 and 1934. Production through 1909 was about 11,233 fine oz of gold; no data on total production.

(Gold Cr.)

Schrader, 1900, p. 486
Schrader, 1904 (P 20), p. 99, 102, 105
Brooks, 1908 (B 345), p. 45
Maddren, 1910 (B 442), p. 292, 307-308
Maddren, 1913 (B 532), p. 69, 99-104
Brooks, 1915 (B 622), p. 59
Brooks, 1916 (B 642), p. 64-65
Brooks, 1916 (B 649), p. 64
Brooks, 1918 (B 662), p. 59
Smith, 1933 (B 844-A), p. 39
Smith, 1936 (B 868-A), p. 42
Reed, 1938, p. 23-26
Smith, 1939 (B 910-A), p. 56
Smith, 1939 (B 917-A), p. 55
Joesting, 1942 (TDM 1), p. 14
Brosgé and Reiser, 1972 (P 709), p. 12
Cobb, 1972 (MF-457), loc. 28
Cobb, 1973 (B 1374), p. 159
Mulligan, 1974 (IC 8626), p. 6
*Cobb, 1976 (OF 76-340), p. 28-29
Grybeck, 1977 (OF 77-166C), p. 33, loc. 8
De Young, 1978 (MF-878-B), loc. 28

(Granite Cr.) Gold(?)

Koyukuk district Chandalar (0.2, 0.3)
MF-878-B, loc. 29 67°10'N, 149°58'W

Five claims staked in 1967. Some gold probably present as suction-dredge work in 1969 was reported. No other data available.

(Granite Cr.)

*De Young, 1978 (MF-878-B), loc. 29

(Gus Cr.) Gold(?)

Koyukuk district Chandalar (4.9, 10.35)
MF-878-B, loc. 30 67°35'N, 149°16'W

Fair placer-gold prospects said to have been found. Stream now called Shady Cr.

(Gus Cr.)

Reed, 1938, p. 46
Cobb, 1976 (OF 76-340), p. 31
*De Young, 1978 (MF-878-B), loc. 30

(Horse Cr.)

Copper

Chandalar district
MF-878-B, loc. 31

Chandalar (7.0, 7.0)
67°24'N, 148°58'W

Copper sulfides and(or) malachite-azurite stains. Bedrock is quartz-mica schist with intercalated greenschist and greenstone.

(Horse Cr.)

Brosgé and Reiser, 1964 (I-375)
Berg and Cobb, 1967 (B 1246), p. 204
Cobb, 1972 (MF-457), loc. 14
Cobb, 1976 (OF 76-340), p. 32
Grybeck, 1977 (OF 77-166C), p. 36, loc. 39
*De Young, 1978 (MF-878-B), loc. 31

(Howard Cr.)

Copper, Lead

Koyukuk district
MF-878-B, loc. 32

Chandalar (0.6, 6.65)
67°23'N, 149°55'W

Cherry-sized pods of quartz and pyrrhotite with traces of galena and chalcopyrite in chloritic schist. Pyrite veinlets along fractures contain traces of copper.

(Howard Cr.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 13
Mulligan, 1974 (IC 8626), p. 6
Cobb, 1976 (OF 76-340), p. 33
Grybeck, 1977 (OF 77-166C), p. 33, loc. 7
*De Young, 1978 (MF-878-B), loc. 32

Hurricane-Diane-Luna

Copper

Koyukuk district
MF-878-B, loc. 33

Chandalar (5.55, 13.1)
67°44'N, 149°10'W

Small amounts of copper mineralization confined entirely to tactite occurrences. Country rock is Silurian and Devonian Skajit Limestone intruded by small greenschist-greenstone body. Claims staked 1967-73.

Hurricane-Diane-Luna

Grybeck, 1977 (OF 77-166C), p. 35, loc. 21
*De Young, 1978 (MF-878-B), loc. 33

(Jim Gulch) (Cr.) (Pup)

Gold

Koyukuk district
MF-457, loc. 30

Chandalar (3.6, 8.3)
67°28'N, 149°27'W

Tributary of California Cr. Jim Gulch has been mined from its mouth to 3/4 mi above confluence with Wakeup Cr. Gold is coarse, but the deposit is hard to mine because of rough bedrock surface. A deep channel is a continuation of the one on Wakeup Cr. Gold was discovered in 1901; mining in 1909, 1934, and 1938 was reported. Production through 1909 was about 145 fine oz.

(Jim Gulch) (Cr.) (Pup)

Maddren, 1910 (B 442), p. 292, 312
Maddren, 1913 (B 532), p. 70, 107-108
Smith, 1933 (B 844-A), p. 39
Smith, 1936 (B 868-A), p. 42
Reed, 1938, p. 34-36
Smith, 1939 (B 917-A), p. 55
Cobb, 1972 (MF-457), loc. 30
*Cobb, 1976 (OF 76-340), p. 35
De Young, 1978 (MF-878-B), loc. 14

Jim-Montana	Copper, Lead, Zinc
Chandalar district MF-878-B, loc. 34	Chandalar (7.3, 14.5) 67°49'N, 148°54'W

Chalcopyrite, sphalerite, and minor galena and malachite stains in skarn. Claims staked in 1972 and 1975.

Jim-Montana

Grybeck, 1977 (OF 77-166C), p. 35, loc. 27
*De Young, 1978 (MF-878-B), loc. 34

Kelty	Gold
Chandalar district MF-878-B, loc. 36	Chandalar (11.3, 10.0) 67°34'N, 148°19'W

Steeply dipping quartz veins in schistose rocks. For general description of lodes in area see entry for (Big Cr.).

Kelty

Maddren, 1913 (B 532), p. 113-115
Cobb, 1972 (MF-457), loc. 21
Cobb, 1976 (OF 76-340), p. 36
Grybeck, 1977 (OF 77-166C), p. 37, loc. 44
*De Young, 1978 (MF-878-B), loc. 36

(King Cr.) Gold

Koyukuk district Chandalar (4.7, 8.0)
MF-878-B, loc. 37 67°27'N, 149°18'W

A shaft 22 m deep found a "small" prospect.

(King Cr.)

Reed, 1938, p. 41
Cobb, 1976 (OF 76-340), p. 37
*De Young, 1978 (MF-878-B), loc. 37

(Lake Cr.) Gold

Koyukuk district Chandalar (3.7, 8.7)
MF-878-B, loc. 38 67°30'N, 149°27'W

Placer mining in the present steep channel near mouth and in an old buried channel near head that may be part of the old channel mined on Wakeup Cr. across the divide. Bedrock is schist. Gold in present channel is all coarse. Gold discovered in 1915 and mined until recently (as of 1964 report).

(Lake Cr.)

Smith, 1930 (B 810), p. 28
Smith, 1932 (B 824), p. 38
Smith, 1933 (B 836), p. 39
Smith, 1936 (B 868-A), p. 42
Reed, 1938, p. 38-40
Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 31
*Cobb, 1976 (OF 76-340), p. 38
De Young, 1978 (MF-878-B), loc. 38

(Linda Cr.) Gold

Koyukuk district Chandalar (1.2, 9.1)
MF-878-B, loc. 40 67°31'N, 149°49'W

Linda Cr. is a small consequent stream that encountered the old lower channel of Gold Cr. after Gold Cr. had changed its course and the old channel was buried. Placer gold was discovered in 1901; small-scale mining has been reported sporadically since then. No data on total production; through 1909 it was somewhat less than 1,000 fine oz.

(Linda Cr.)

Maddren, 1910 (B 442), p. 292, 308-310
Maddren, 1913 (B 532), p. 69, 102-104
Brooks, 1915 (B 622), p. 59
Brooks, 1916 (B 642), p. 64-65
Smith, 1917 (BMB 153), p. 54
Reed, 1938, p. 26-27
Smith, 1939 (B 910-A), p. 56
Smith, 1939 (B 917-A), p. 55
Cobb, 1972 (MF-457), loc. 26
Cobb, 1973 (B 1374), p. 159-160
Mulligan, 1974 (IC 8626), p. 5
*Cobb, 1976 (OF 76-340), p. 40
De Young, 1978 (MF-878-B), loc. 40

(Little Gold Cr.) Gold

Koyukuk district Chandalar (2.3, 8.75)
MF-878-B, loc. 41 67°30'N, 149°39'W

Poor placer-gold prospects found near mouth in 76-ft shaft to bedrock.

(Little Gold Cr.)

Reed, 1938, p. 27-28
*Cobb, 1976 (OF 76-340), p. 41
De Young, 1978 (MF-878-B), loc. 41

Little Squaw — Gold, Silver

Chandalar district — Chandalar (12.05, 9.6)
MF-878-B, loc. 42 — 67°32'N, 148°12'W

Development work from 1910 to 1933 included about 100 m of underground workings on auriferous quartz veins in schist. Arsenopyrite lenses common. Only 38 to 62 g gold per metric ton and some silver recovered using a small stamp mill installed in 1910. Proven ore estimated at 1,800 metric tons averaging 49 g/tonne gold in 1939. Recent trenching. For general description of lodes in area see entry for (Big Cr.). See also Mikado; some of references listed in Part B may be to Little Squaw, to Mikado, or to both.

Little Squaw

Brooks, 1911 (B 480), p. 35
Brooks, 1912 (B 520), p. 34
Maddren, 1913 (B 532), p. 113-115
Brooks, 1914 (B 592), p. 68
Mertie, 1925 (B 773), p. 261-262
Brosgé and Reiser, 1964 (I-375)
Berg and Cobb, 1967 (B 1246), p. 204
Koschmann and Bergendahl, 1968 (P 610), p. 25
Chipp, 1970 (GR 42), p. 5, 20-21
Brosgé and Reiser, 1972 (P 709), p. 3
Cobb, 1972 (MF-457), loc. 24
Cobb, 1973 (B 1374), p. 113
Cobb, 1976 (OF 76-340), p. 42
Grybeck, 1977 (OF 77-166C), p. 37, loc. 45c
*De Young, 1978 (MF-878-B), loc. 42
Grybeck and De Young, 1978 (OF 78-1-B), p. 13
*Reiser and others, 1979 (C 758), p. 3

(Little Squaw Cr.) Gold, Lead, Monazite, Tungsten

Chandalar district Chandalar (12.2-12.3, 10.0-10.15)
MF-878-B, loc. 43 67°34'N, 148°10'W

Complex glacial history; creek was dammed during part of Pleistocene. Creek and bench gravels are mingled without distinct boundaries. Some of gold in lower part of course is on false bedrock in glacial deposits; in upper part of course gold is all on bedrock. Source of gold is quartz veins and mineralized zones in schist bedrock. Concentrates contain gold, pyrite, hematite, arsenopyrite, scheelite, galena, and monazite. Gold discovered in 1905 or 1906; mining reported in most years, 1914-1940. Production unknown but significant. Includes refrences to (Squaw Cr.).

(Little Squaw Cr.)

Brooks, 1915 (B 622), p. 64-65
Brooks, 1916 (B 642), p. 59
Brooks, 1918 (B 662), p. 59
Brooks, 1922 (B 722), p. 58
Brooks, 1923 (B 739), p. 41
Brooks and Capps, 1924 (B 755), p. 45
Mertie, 1925 (B 773), p. 254-259, 263
Smith, 1926 (B 783), p. 14
Smith, 1929 (B 797), p. 22
Smith, 1930 (B 813), p. 33-34
Smith, 1932 (B 824), p. 40
Smith, 1933 (B 836), p. 40
Smith, 1933 (B 844-A), p. 40
Smith, 1934 (B 857-A), p. 37
Smith, 1934 (B 864-A), p. 41
Smith, 1936 (B 868-A) p. 43
Smith, 1937 (B 880-A), p. 46
Smith, 1938 (B 897-A), p. 54-55
Smith, 1939 (B 910-A), p. 58
Smith, 1939 (B 917-A), p. 57
Smith, 1941 (B 926-A), p. 54
Smith, 1942 (B 933-A), p. 50
White, 1952 (C 195), p. 11
Nelson and others, 1954 (C 348), p. 16, 18
Overstreet, 1967 (P 530), p. 110
Chipp, 1970 (GR 42), p. 5, 17
Brosgé and Reiser, 1972 (P 709), p. 14
Cobb, 1972 (MF-457), loc. 24, 45
Cobb, 1973 (B 1374), p. 113-114
*Cobb, 1976 (OF 76-340), p. 43-44
Cobb, 1977 (OF 77-168B), p. 9, loc. 6
Grybeck, 1977 (OF 77-166C), p. 38, loc. 46
De Young, 1978 (MF-878-B), loc. 43
Grybeck and De Young, 1978 (OF 78-1-B), p. 13

(Magnet Cr.) Gold

Koyukuk district
MF-878-B, loc. 44

Chandalar (1.85, 8.9)
67°31'N, 149°43'W

Creek and bench gravels have been mined along a length of 500-600 ft. Amount of placer gold recovered not known.

(Magnet Cr.)

Reed, 1938, p. 28
Mulligan, 1974 (IC 8626), p. 6
*Cobb, 1976 (OF 76-340), p. 45
Grybeck, 1977 (OF 77-166C), p. 33, loc. 8
De Young, 1978 (MF-878-B), loc. 44

(Marion Cr.) Gold

Koyukuk district Chandalar (0.5, 5.9)
MF-878-B, loc. 45 67°20'N, 149°55'W

Placer gold found at bottom of a 26-ft shaft and in surface gravels. Production, 1900-1909, was about 50 fine oz.

(Marion Cr.)

Schrader, 1900, p. 485
Maddren, 1910 (B 442), p. 292
Maddren, 1913 (B 532), p. 69, 90
Reed, 1938, p. 90
Cobb, 1972 (MF-457), loc. 37
*Cobb, 1976 (OF 76-340), p. 46
De Young, 1978 (MF-878-B), loc. 45

(Mathews R.) Copper, Gold, Lead, Silver, Zinc

Koyukuk district Chandalar (3.2, 11.6)
MF-878-B, loc. 46 67°40'N, 149°31'W

Galena in greenstone and greenschist near contact with siltstone and grit. Sample of a quartz vein showed small to trace amounts of gold and silver in assay. Quartz float contained very small amounts of galena, chalcopyrite, and sphalerite.

(Mathews R.)

Brosgé and Reiser, 1964 (I-375)
Mulligan, 1974 (IC 8626), p. 5
Cobb, 1972 (MF-457), loc. 4
*Cobb, 1976 (OF 76-340), p. 47
Grybeck, 1977 (OF 77-166C), p. 34, loc. 15
De Young, 1978 (MF-878-B), loc. 46

Mikado

Antimony, Gold, Lead, Silver, Zinc

Chandalar district
MF-457, loc. 22

Chandalar (11.75, 9.45)
67°32'N, 148°14'W

Steeply dipping auriferous quartz veins as much as 2 m thick exposed for more than 900 m; much faulted and sheared; in schist. Veins contain visible gold and less than 5% sulfides (pyrite, arsenopyrite, sphalerite, galena, and stibnite). Some samples high in Ag; all low in Cu (no copper mineral reported). Assays of ore shoots range from 60 to 750 ppm Au. First underground workings, 1909-13, totaled about 200 m; more than 200 more added 1959-60; 260 more driven 1962-63 with Office of Mineral Exploration assistance. Estimated reserves in 1968 were 11,000 metric tons of ore averaging 75 g/tonne gold. Active exploration and small production well into 1970's; as of 1979 production since 1960 was about 30,000 g (1,000 oz) gold and 6,000 g (200 oz) silver. Includes references to: Carter, Crystal, Eclipse, Engineers' Exploration Syndicate, Golden Eagle, Idaho-Alaska Corp., Little Mikado, Overlook, Tonopah.

Mikado

Maddren, 1913 (B 532), p. 112-115
Brooks, 1914 (B 592), p. 68-69
Mertie, 1925 (B 773), p. 262
Smith, 1934 (B 857-A), p. 37
Chipp, 1970 (GR 42), p. 5, 19-21
Brosgé and Reiser, 1972 (P 709), p. 3, 14-16
Cobb, 1972 (MF-457), loc. 22
Cobb, 1973 (B 1274), p. 113
*Cobb, 1976 (OF 76-340), p. 16, 19, 22, 26, 30, 48, 54, 70
Grybeck, 1977 (OF 77-166C), p. 37, loc 45a
*De Young, 1978 (MF-878-B), loc. 47
Grybeck and De Young, 1978 (OF 78-1-B), p. 13
*Reiser and others, 1979 (C 758), p. 3

Mowgli — Copper, Lead, Zinc

Chandalar district — Chandalar (7.8, 14.35)
MF-878-B, loc. 48 — 67°49'N, 148°49'W

Chalcopyrite, sphalerite, and minor galena and tennantite in skarn in Devonian and Silurian Skajit Limestine near thrust-fault contact with Paleozoic or older calcareous schist. Claims staked in 1975 and 1976.

Mowgli

Grybeck, 1977 (OF 77-166C), p. 35, loc. 27
*De Young, 1978 (MF-878-B), loc. 48

(Mule Cr.) Copper, Gold, Silver

Koyukuk district Chandalar (5.35, 10.5)
MF-878-B, loc. 49 67°36'N, 149°21'W

Creek heads in limestone, but has cut into underlying schist in lower part of course. Gravel 1½ to 2½ mi above mouth is 2-8 ft deep and yielded good prospects. Recorded production (all in early 1900's) was about 50 fine oz of gold. Mining in 1937 was also reported. Small nuggets of native silver and nuggets of native copper up to 7 lb occur with the gold.

(Mule Cr.)

Maddren, 1910 (B 442), p. 292, 310
Maddren, 1913 (B 532), p. 69, 104-105
Reed, 1938, p. 45
Brosgé and Reiser, 1972 (P 709), p. 20
Cobb, 1972 (MF-457), loc. 35
Cobb, 1973 (B 1374), p. 160
*Cobb, 1976 (OF 76-340), p. 49
De Young, 1978 (MF-878-B), loc. 49

(Myrtle Cr.) Gold

Koyukuk district Chandalar (0.0-0.2, 3.95-4.55)
MF-457, loc 38 67°14'-67°16'N, 149°58'-150°00'W

One of the biggest placer gold producers of the Koyukuk district; total amount not known, but that from 1900 through 1910 was about 8,800 fine oz. Stream and bench gravels mined by drifting, by hydraulicking, and by mechanical means from 1899 to as recently as the 1960's. Some of gold very coarse; nugget worth $800 (nearly 23 fine oz) recovered in 1940. Bedrock is schist cut by at least one greenstone dike. Lower part of stream course is in gravel flats of Slate Cr.

(Myrtle Cr.)

Schrader, 1900, p. 483-484
Schrader, 1904 (P 20), p. 99, 102
Brooks, 1908 (B 345), p. 45
Maddren, 1910 (B 442), p. 288, 291-292, 298-300
Maddren, 1913 (B 532), p. 69, 86-89
Brooks, 1915 (B 622), p. 59
Brooks, 1916 (B 642), p. 65
Smith, 1917 (BMB 153), p. 54
Brooks, 1918 (B 662), p. 59
Brooks, 1922 (B 722), p. 59
Smith, 1930 (B 810), p. 28
Smith, 1932 (B 824), p. 38
Smith, 1933 (B 836), p. 39
Smith, 1936 (B 868-A), p. 43
Smith, 1937 (B 880-A), p. 45-46
Reed, 1938, p. 93-100
Smith, 1938 (B 897-A), p. 54
Smith, 1939 (B 910-A), p. 56
Smith, 1939 (B 917-A), p. 55
Smith, 1941 (B 926-A), p. 52
Smith, 1942 (B 933-A), p. 47
Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 38
Cobb, 1973 (B 1374), p. 158, 160
Mulligan, 1974 (IC 8626), p. 6
*Cobb, 1976 (OF 76-340), p. 50-51
Grybeck, 1977 (OF 77-166C), p. 33, loc. 3
*De Young, 1978 (MF-878-B), loc. 50
Reiser and others, 1979 (C 758), p. 2-3

(Neck Cr.) Gold(?)

Koyukuk district Chandalar (0.0, 8.25)(?)
MF-878-B, loc. 51(?) 67°28'N, 150°00'W(?)

Good prospects said to have been found in early days (about 1910). May be the same stream as Coon Gulch of modern maps.

(Neck Cr.)

Reed, 1938, p. 58
Cobb, 1976 (OF 76-340), p. 52
*De Young, 1978 (MF-878-B), loc. 51

(Nugget Cr.) Gold

Koyukuk district Chandalar (0.95, 8.5)
MF-878-B, loc. 53 67°29'N, 149°52'W

Fair gold prospects have been found, but there has been very little mining.

(Nugget Cr.)

Reed, 1938, p. 30
Mulligan, 1974 (IC 8626), p. 6
Cobb, 1976 (OF 76-340), p. 53
*De Young, 1978 (MF-878-B), loc. 53

(Phoebe Cr. tributary) Gold

Koyukuk district Chandalar (5.6, 10.3) approx.
67°35'N, 149°10'W approx.

Good prospects said to have been found on a right-limit tributary of Phoebe Cr. Flows through a schist terrane.

(Phoebe Cr. tributary)

Maddren, 1910 (B 442), p. 310
Maddren, 1913 (B 532), p. 105
Reed, 1938, p. 47-48
*Cobb, 1976 (OF 76-340), p. 55
De Young, 1978 (MF-878-B), loc. 55

(Quartz Cr.) Copper

Chandalar district Chandalar (5.6, 14.2)
MF-878-B, loc. 56 67°48'N, 149°10'W

Quartz vein cutting chlorite schist contains goethite, malachite, and a trace of zinc [method of detection not given; may have been spectrographic analysis]. Float contains traces of malachite and possibly chalcopyrite.

(Quartz Cr.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 56
*Mulligan, 1974 (IC 8626), p. 5
Cobb, 1976 (OF 76-340), p. 56
Grybeck, 1977 (OF 77-166C), p. 35, loc. 24
De Young, 1978 (MF-878-B), loc. 56

(Rainbow Gulch) (Cr.) Gold

Koyukuk district Chandalar (0.4, 8.1)
MF-878-B, loc. 57 67°28'N, 149°56'W

Some placer gold prospects, but little mining.

(Rainbow Gulch) (Cr.)

Reed, 1938, p. 30
Mulligan, 1974 (IC 8626), p. 6
Cobb, 1976 (OF 76-340), p. 57
*De Young, 1978 (MF-878-B), loc. 57

(Robert Cr.) Gold

Koyukuk district Chandalar (5.4, 11.2) approx.
67°38'N, 149°11'W approx.

Gold has been found in lower parts of tributaries where they have cut through limestone into underlying schist.

(Robert Cr.)

Maddren, 1910 (B 442), p. 310
Maddren, 1913 (B 532), p. 105
*Cobb, 1976 (OF 76-340), p. 58
De Young, 1978 (MF-878-B), loc. 59

(St. Marys Cr.) (Gulch) Gold

Chandalar district Chandalar (11.95, 9.4)
MF-457, loc. 43 67°31'N, 148°13'W

Drains from lode area near head of Big Cr. and has been one of the major producing streams of the Chandalar area. Average grain size of gold is about 1 mm; many nuggets are 2-3 mm. Mining was reported for 1906-09 and 1914-15; there was probably some in other years. Amount of production not known.

(St. Marys Cr.) (Gulch)

Brooks, 1909 (B 379), p. 57
Maddren, 1910 (B 442), p. 315
Maddren, 1913 (B 532), p. 116
Brooks, 1915 (B 622), p. 64-65
Brooks, 1916 (B 642), p. 67
Chipp, 1970 (GR 42), p. 5, 17, 19
Cobb, 1972 (MF-457), loc. 43
Cobb, 1973 (B 1374), p. 113
*Cobb, 1976 (OF 76-340), p. 59
Cobb, 1977 (OF 77-168B), p. 9, loc. 4
De Young, 1978 (MF-878-B), loc. 5

(Sawlog Cr.) Gold

Koyukuk district Chandalar (5.75, 7.1)
MF-878-B, loc. 60 67°24'N, 149°09'W

Recent placer mining reported in 1964.

(Sawlog Cr.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 40
Cobb, 1976 (OF 76-340), p. 60
Cobb, 1977 (OF 77-168B), p. 9, loc. 2
*De Young, 1978 (MF-878-B), loc. 60

(Sheep Cr. (Gulch), trib. Koyukuk R., Middle Fork)

Gold

Koyukuk district
MF-457, loc. 27

Chandalar (0.9-1.4, 8.75-8.8)
67°30'N, 149°48'-149°52'W

Coarse gravel on schist bedrock was mined in the present stream channel and in a buried channel that extends into the valley of the Middle Fork of the Koyukuk R. Mining was reported sporadically from early 1900's to 1950's or early 1960's.

(Sheep Cr. (Gulch), trib. Koyukuk R., Middle Fork)

Maddren, 1910 (B 442), p. 292
Brooks, 1911 (B 480), p. 39
Brooks, 1912 (B 520), p. 38
Maddren, 1913 (B 532), p. 69, 99
Smith, 1936 (B 868-A), p. 42
Smith, 1937 (B 880-A), p. 45-46
Reed, 1938, p. 28-29
Smith, 1938 (B 897-A), p. 54
Brosgé and Reiser, 1964 (I-375)
Mulligan, 1974 (IC 8626), p. 6
Cobb, 1972 (MF-457), loc. 27
*Cobb, 1976 (OF 76-340), p. 61
De Young, 1978 (MF-878-B), loc. 62

(Sheep Cr., trib. Robert Cr.) Gold

Koyukuk district Chandalar (5.4, 11.2) approx.
MF-878-B, loc. 59 approx. 67°38'N, 149°11'W approx.

Placer gold prospects have been found. No record of mining.

(Sheep Cr., trib. Robert Cr.)

Maddren, 1910 (B 442), p. 310
Maddren, 1913 (B 532), p. 105
*Cobb, 1976 (OF 76-340), p. 62
De Young, 1978 (MF-878-B), loc. 59

(Siwash Cr.) Copper

Koyukuk district Chandalar (4.15, 2.0)
MF-878-B, loc. 63 67°07'N, 149°24'W

Copper sulfides and(or) malachite-azurite stains in cherty part of volcanic rock-chert unit of Mississippian to Jurassic age.

(Siwash Cr.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 17
Cobb, 1976 (OF 76-340), p. 63
Grybeck, 1977 (OF 77-166C), p. 33, loc. 2
*De Young, 1978 (MF-878-B), loc. 63

(Slate Cr.) Gold

Koyukuk district Chandalar (0.75, 4.0)
MF-457, loc. 39 67°14'N, 149°53'W

Bedrock mica schist and slate or phyllite that contain small bodies of quartz and are cut by several dikes of altered diorite. Most of placer gold production was from below mouth of Myrtle Cr. (Wiseman quad.), but was some from bench gravels farther upstream. Stream flows westward from a wide gravel-floored pass. See also (Myrtle Cr.) and (Slate Cr.) Wiseman quad. References listed in Part B are largely to part of stream in Wiseman quadrangle.

(Slate Cr.)

Schrader, 1900, p. 483-485
Schrader, 1904 (P 20), p. 99, 102
Maddren, 1910 (B 442), p. 291-292, 298-299
Maddren, 1913 (B 532), p. 69, 86-88
Reed, 1938, p. 91-93
Smith, 1939 (B 910-A), p. 56
Smith, 1939 (B 917-A), p. 55
Smith, 1941 (B 926-A), p. 52
Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 39
Mulligan, 1974 (IC 8626), p. 6
*Cobb, 1976 (OF 76-340), p. 64
Cobb, 1977 (OF 77-168B), p. 9, loc. 1
Grybeck, 1977 (OF 77-166C), p. 33, loc. 4
De Young, 1978 (MF-878-B), loc. 64

(Snowden Cr.) Copper, Gypsum

Koyukuk district Chandalar (2.0, 13.2)
MF-878-B, loc. 65 67°45'N, 149°42'W

Graphite, pyrite, and chalcopyrite in vein-quartz float near contact between Devonian limestone and greenstone. Gypsum-calcite zone 0.15 m thick contains abundant fine-grained pyrite.

(Snowden Cr.)

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 2
Mulligan, 1974 (IC 8626), p. 5
Cobb, 1976 (OF 76-340), p. 65
Grybeck, 1977 (OF 77-166C), p. 34, loc. 12
*De Young, 1978 (MF-878-B), loc. 65

(Spruce Cr.) Gold

Koyukuk district Chandalar (4.75, 10.5) approx.(?)
67°36'N, 149°18'W approx.(?)

Heads in limestone; creek has cut down into underlying schist. Two shafts about 75 ft deep did not find good prospects where stream enters valley of Bettles R. Good prospects said to have been found farther upstream in early 1900's.

(Spruce Cr.)

Maddren, 1910 (B 442), p. 310
Maddren, 1913 (B 532), p. 105
Reed, 1938, p. 46
*Cobb, 1976 (OF 76-340), p. 66
De Young, 1978 (MF-878-B), loc. 66

Star

Gold

Chandalar district
MF-457, loc. 25

Chandalar (12.0, 9.55)
67°32'N, 148°12'W

Six-foot-wide quartz vein with arsenopyrite and scorodite was explored by a 10-ft shaft and a few trenches and pits. A grab sample assayed 11 ppm Au; similar quartz veins are on other parts of the property. A small placer deposit on a fork of Big Squaw Cr. was probably derived from these veins.

Star

*Chipp, 1970 (GR 42), p. 20
Brosgé and Reiser, 1972 (P 709), p. 15
Cobb, 1972 (MF-457), loc. 25
Cobb, 1976 (OF 76-340), p. 67
Grybeck, 1977 (OF 77-166C), p. 37, loc. 45b
De Young, 1978 (MF-878-B), loc. 68

Steph	Copper
Chandalar district MF-878-B, loc. 69	Chandalar (7.9, 15.15) 67°52'N, 148°49'W

Quartz vein with malachite, azurite, and tennantite. Country rock limestone near contact with hornblende schist. Claims staked in 1973.

Steph

Grybeck, 1977 (OF 77-166C), p. 35, p. 28
*De Young, 1978 (MF-878-B), loc. 69

Summit	Gold, Silver
Chandalar district MF-457, loc. 25	Chandalar (12.2, 9.4) 67°32'N, 148°11'W

Quartz veins on divide between Big Cr. and Little Squaw Cr. One was explored by a 54-ft shaft and a 72-ft drift; vein is 1.5-2 ft wide. Sample assayed before 1913 contained 2.6 oz/ton gold; grab samples recently collected from dump contained abundant arsenopyrite and scorodite and assayed 0.5-6.6 ppm Au. Gold and silver have been produced. For general description of lodes in area see entry for (Big Cr.).

Summit

Maddren, 1913 (B 532), p. 113-115
Mertie, 1925 (B 773), p. 262
Chipp, 1970 (GR 42), p. 20
Cobb, 1972 (MF-457), loc. 25
*Cobb, 1976 (OF 76-340), p. 68
Grybeck, 1977 (OF 77-166C), p. 37, loc. 45b
De Young, 1978 (MF-878-B), loc. 68
*Reiser and others, 1979 (C 758), p. 3

(Tobin Cr.) Gold, Lead, Monazite, Tungsten

Chandalar district
MF-878-B, loc. 70

Chandalar (10.9-11.45, 8.9-9.8)
67°30'-67°33'N, 148°17'-148°18'W

Creek drains area where lode deposits have been developed. Prospecting was first reported in 1930 and mining in 1934. Mining continued until World War II and was reported since then in 1952 and 1969. No data on total production of placer gold; stream was one of the principal producing creeks of the area. Concentrates contained hematite, monazite, scheelite, gold, pyrite, magnetite, rutile, and galena.

(Tobin Cr.)

Smith, 1933 (B 836), p. 40
Smith, 1933 (B 844-A), p. 40
Smith, 1936 (B 868-A), p. 43
Smith, 1937 (B 880-A), p. 46
Smith, 1938 (B 897-A), p. 55
Smith, 1939 (B 910-A), p. 58
Smith, 1939 (B 917-A), p. 57
Smith, 1941 (B 926-A), p. 54
Smith, 1942 (B 933-A), p. 50
White, 1952 (C 195), p. 11
Nelson and others, 1954 (C 348), p. 16, 18
Brosgé and Reiser, 1964 (I-375)
Overstreet, 1967 (P 530), p. 110
Chipp, 1970 (GR 42), p. 5, 17
Cobb, 1972 (MF-457), loc. 42
Cobb, 1973 (B 1374), p. 113
*Cobb, 1976 (OF 76-340), p. 69
Cobb, 1977 (OF 77-168B), p. 9, loc. 3
Grybeck, 1977 (OF 77-166C), p. 37, loc. 43
De Young, 1978 (MF-878-B), loc. 70
Grybeck and De Young, 1978 (OF 78-1-B), p. 13

Venus-Victor-Eva	Copper
Koyukuk district MF-878-B, loc. 72 in part	Chandalar (3.95-4.5, 11.0-11.5) approx. 67°38'N, 149°18'-149°23'W approx.

Porphyry copper deposit. Chalcopyrite in granodiorite porphyry that intruded carbonate rocks and schist and in associated skarn. Copper grades of 0.1%-0.3% over widths of as much as 30 m in mineralized porphyry outcrops. Intrusive body contains an estimated 2%-3% pyrite. Many lode claims staked in 1967-70 and the Venus prospect drilled.

Venus-Victor-Eva

*Grybeck, 1977 (OF 77-166C), p. 34, locs. 16-17
*De Young, 1978 (MF-878-B), loc. 72

(Wakeup Cr.) Gold

Koyukuk district
MF-457, loc. 30

Chandalar (3.55, 8.45)
67°29'N, 149°28'W

Present channel, now covered with tailings from other mining, worked in a small way in the early 1900's. A channel 55 to 112 ft deep that is a continuation of the one in Jim Pup has been mined upstream from Jim Pup for 1,500 ft. It deepens upstream and appears to have been made by a stream that flowed into Big Lake (reverse of present drainage). Reported mining in 1930's; gravel ran 0.17-0.19 fine oz/ft^2 of bedrock cleaned.

(Wakeup Cr.)

Smith, 1930 (B 810), p. 28
Smith, 1937 (B 880-A), p. 45-46
Reed, 1938, p. 36-38
Smith, 1938 (B 897-A), p. 54
Smith, 1939 (B 917-A), p. 55
Cobb, 1972 (MF-457), loc. 30
*Cobb, 1976 (OF 76-340), p. 71
De Young, 1978 (MF-878-B), loc. 14

(West Fork)

Chandalar district
MF-878-B, loc. 73

Copper

Chandalar (8.7, 3.5)
67°12'N, 148°43'W

Copper minerals in volcanic rocks.

(West Fork)

Brosgé and Reiser, 1964 (I-375)
Berg and Cobb, 1967 (B 1246), p. 204
Cobb, 1972 (MF-457), loc. 18
Cobb, 1976 (OF 76-340), p. 72
Grybeck, 1977 (OF 77-166C), p. 33, loc. 6
*De Young, 1978 (MF-878-B), loc. 73

(Willow Cr.) Gold (?)

Koyukuk district Chandalar (6.7, 11.7) aporox.
67°40'N, 149°00'W approx.

Robert Cr. tributary on which good placer-gold prospects were said to have been found in the early days of the district (about 1910)

(Willow Cr.)

Reed, 1938, p. 47
Cobb, 1976 (OF 76-340), p. 73
*De Young, 1978 (MF-878-B), loc. 74

Unnamed occurrence	Copper
Koyukuk district	Chandalar (2.5, 2.35)
MF-878-B, loc. 79	67°08'N, 149°38'W

Copper sulfides and(or) malachite-azurite stains at contact between volcanic rocks and underlying phyllite and slate unit.

Unnamed occurrence, copper, at 67°08'N, 149°38'W

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 16
Cobb, 1976 (OF 76-340), p. 80
Grybeck, 1977 (OF 77-166C), p. 33, loc. 1
*De Young, 1978 (MF-878-B), loc. 79

Unnamed occurrence	Copper
Koyukuk district	Chandalar (1.8, 3.85)
MF-878-B, loc. 75	67°13'N, 149°44'W

Copper sulfide minerals and(or) malachite-azurite stains in small outlier of pyritic volcanic rocks in graywacke.

Unnamed occurrence, copper, at 67°13'N, 149°44'W

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 15
Cobb, 1976 (OF 76-340), p. 74
Grybeck, 1977 (OF 77-166C), p. 33, loc. 5
*De Young, 1978 (MF-878-B), loc. 75

Unnamed occurrence — Copper

Koyukuk district — Chandalar (0.1, 11.0)
MF-878-B, loc. 76 — 67°38'N, 149°59'W

Copper sulfides and(or) malachite-azurite stains in Upper Devonian siltstone and grit.

Unnamed occurrence, copper, at 67°38'N, 149°59'W

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 3
Cobb, 1976 (OF 76-340), p. 75
Grybeck, 1977 (OF 77-166C), p. 33, loc. 9
*De Young, 1978 (MF-878-B), loc. 76

Unnamed occurrence	Copper
Chandalar district	Chandalar (6.9, 14.35)
MF-878-B, loc. 77	67°49'N, 148°58'W

Copper sulfides and(or) malachite-azurite stains near contact between Silurian and Devonian Skajit Limestone and black slate, phyllite, and siltstone unit of Devonian age.

Unnamed occurrence, copper, at 67°49'N, 148°58'W

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 7
Cobb, 1976 (OF 76-340), p. 77
Grybeck, 1977 (OF 77-166C), p. 35, loc. 26
*De Young, 1978 (MF-878-B), loc. 77

Unnamed occurrence	Copper
Chandalar district	Chandalar (9.3, 15.85)
MF-878-B, loc. 85	67°54'N, 148°35'W

Malachite, pyrite, and pyrrhotite disseminated in small veinlets in limestone.

Unnamed occurrence, copper, at 67°54'N, 148°35'W

Grybeck, 1977 (OF 77-166C), p. 36, loc. 32
*De Young, 1978 (MF-878-B), loc. 85

Unnamed occurrence	Copper
Chandalar district	Chandalar (8.7, 16.15)
MF-878-B, loc. 78	67°55'N, 148°40'W

Copper sulfides and(or) malachite-azurite stains in Devonian limestone-siltstone unit overlying Silurian and Devonian Skajit Limestone.

Unnamed occurrence, copper, at 67°55'N, 148°40'W

Brosgé and Reiser, 1964 (I-375)
Cobb, 1972 (MF-457), loc. 9
Cobb, 1976 (OF 76-340), p. 79
Grybeck, 1977 (OF 77-166C), p. 36, loc. 31
*De Young, 1978 (MF-878-B), loc. 78

Unnamed occurrence	Copper
Chandalar district	Chandalar (10.7, 16.7)
MF-878-B, loc. 75	67°56'N, 148°22'W

Malachite, pyrite, and pyrrhotite disseminated in small veinlets in limestone.

Unnamed occurrence, copper, at 67°56'N, 148°22'W

Grybeck, 1977 (OF 77-166C), p. 36, loc. 32
*De Young, 1978 (MF-878-B) loc. 85

Unnamed occurrence	Copper
Chandalar district MF-878-B, loc. 85	Chandalar (9.45, 16.6) 67°56'N, 148°34'W

Malachite, pyrite, and pyrrhotite disseminated in small veinlets in limestone.

Unnamed occurrence, copper, at 67°56'N,]48°34'W

Grybeck, 1977 (OF 77-166C), p. 36, loc. 32
*De Young, 1978 (MF-878-B), loc. 85

Unnamed occurrence	Gold
Chandalar district	Chandalar (10.4, 7.55)
MF-878-B, loc. 81	67°25'N, 148°27'W

Gold in quartz vein in quartz-mica schist.

Unnamed occurrence, gold, at 67°25'N, 148°27'W

Brosgé and Reiser, 1972 (P 709), p. 19
Cobb, 1972 (MF-457), loc. 19
Cobb, 1976 (OF 76-340), p. 82
Grybeck, 1977 (OF 77-166C), p. 36, loc. 40
*De Young, 1978 (MF-878-B), loc. 81

Unnamed occurrence	Gold, Silver
Chandalar district MF-878-B, loc. 80	Chandalar (19.55, 8.0) 67°26'N, 147°06'W

High concentration of gold and silver in samples from one thin arsenic-rich vein in the system of east-trending quartz veins north of Thazzik Mtn.

Unnamed occurrence, gold, silver, at 67°26'N, 147°06'W

Brosgé and Reiser, 1972 (P 709), p. 20
*Cobb, 1976 (OF 76-340), p. 81
Grybeck, 1977 (OF 77-166C), p. 38, loc. 48
De Young, 1978 (MF-878-B), loc. 80

Unnamed occurrence	Lead
Chandalar district MF-878-B, loc. 84	Chandalar (10.2, 14.9) approx. 67°50'N, 148°27'W approx.

Claims staked in 1972 in area of galena-bearing veins and stockworks.

Unnamed occurrence, lead, at 67°50'N, 148°27'W approx.

Grybeck, 1977 (OF 77-166C), p. 36, loc. 34
*De Young, 1978 (MF-878-B), loc. 84

Unnamed occurrence	Zinc
Chandalar district	Chandalar (8.3, 12.5)
MF-878-B, loc. 86	67°43'N, 148°45'W

Sphalerite in boxwork of veinlets found in float.

Unnamed occurrence, zinc, at 67°43'N, 148°45'W

Grybeck, 1977 (OF 77-166C), p. 36, loc. 35
*De Young, 1978 (MF-878-B), loc. 86

Synonyms, Owners, Operators, and Claim Names

Alaska-Chandalar Mining Co. -- see Little Squaw
Anderson -- see (Tobin Cr.)
Birch -- see (Tobin Cr.)
(Boar Cr.) -- see (Boer Gulch)
Bonanza -- see Eneveloe
(Bore Cr.) -- see (Boer Gulch)
Buckley -- see (Little Squaw Cr.)
Carlson(, Amero) & Buckley -- see (Little Squaw Cr.)
Carlson & Freshman -- see (Tobin Cr.)
Carter -- see Mikado
Chandalar Gold Mining & Milling Co. -- see Mikado
Chandalar Mining Co. -- see Little Squaw
Christensen -- see (Gold Cr.), (Jim Pup), (Wakeup Cr.)
Creecy -- see (Gold Cr.)
Crystal -- see Mikado
Diane -- see Hurricane-Diane-Luna
Eaton & Kelly -- see (Mule Cr.)
Eclipse -- see Mikado
Edwards -- see (Big Jim Cr., trib. Twin Lakes)
Ellington & Co. -- see (Myrtle Cr.)
Engineers' Exploration Syndicate -- see Mikado
Erickson, Dodge & Glynn -- see (King Cr.)
Eva -- see Venus-Victor-Eva
(Feebee Cr.)-- see (Phoebe Cr.)
First Chance -- see Eneveloe
Golden Eagle -- see Mikado
Gold King -- see (Big Cr.)
(Gold Myrtle Cr.) -- see (Myrtle Cr.)
Haslem and associates -- see (Myrtle Cr.)
Haslem & Doherty -- see (Myrtle Cr.)
Haynes & Griffin -- see (Big Cr.)
Hiltner -- see (Bettles R.)
Horner & Horner -- see (Gold Cr.)
Idaho-Alaska Corp. -- see Mikado
Kelleher -- see (California Cr.), (Gold Cr.), (Jim Pup)
Kelly -- see (Slate Cr.)
Kelly & Eaton -- see (Willow Cr.)
Last Chance -- see Eneveloe
Leonard -- see (Gold Cr.), (Gus Cr.)
Little Mikado -- see Mikado
Little Squaw Mining Co. -- see Little Squaw, Mikado
Luna -- see Hurricane-Diane-Luna
Manglas -- see (Butte Cr.), (Lake Cr.)
Manglas & Ness -- see (Gold Cr.)
Marr -- see (Myrtle Cr.)
Mello -- see (Little Squaw Cr.), (Phoebe Cr.)
Miller (and associates) -- see (Sheep Cr., trib. Koyukuk R., Middle Fork)
Montana -- see Jim-Montana
Moon -- see (Bettles R.), (Garnet Cr.)
Neck -- see (Myrtle Cr.)
Neck & Kelly -- see (Spruce Cr.)
Newton (& Yasuda) -- see (Big Cr.)
O'Keefe -- see (Dennys Gulch)

Overlook -- see Mikado
Owens & Bowman -- see (Crab Cr.)
Repo & Schwaesdall -- see (Myrtle Cr.)
Richardson -- see (Crab Cr.)
Richlew -- see (Emory Cr.)
Rooney -- see (Lake Cr.)
(Shady Cr.) -- see (Gus Cr.)
(Shamrock Cr.) -- see (Butte Cr.)
Smith -- see (Little Squaw Cr.)
(Snowdon Cr.) -- see (Snowden Cr.)
Spinks and associates -- see (Myrtle Cr.)
(Squaw Cr.) -- see (Little Squaw Cr.)
(Suklak Cr.) -- see (Big Jim Cr., trib. Twin Lakes)
Terrel & Terrel -- see (Bettles R.), (Garnet Cr.)
Tobin -- see Mikado
Tonopah -- see Mikado
Victor -- see Venus-Victor-Eva
Weinert -- see (Slate Cr.)
Wilcox, Miller (& Collins) -- see (Linda Cr.)
Woodchuck -- see Eneveloe

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