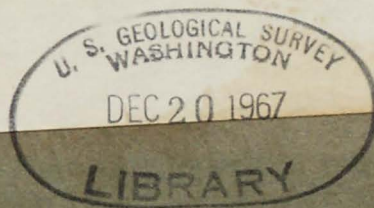


U..S. Geological Survey.

REPORTS-OPEN FILE SERIES, NO. 965: 1967.



(200)
R29o
no. 965

206170



(200) R290

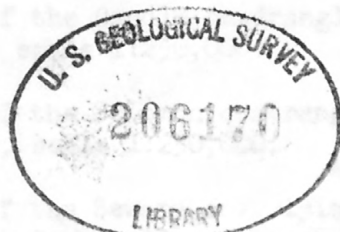
no. 965, 1967

(200)
R290
no. 965

GEOLOGIC DIVISION
U.S. GEOLOGICAL SERVICE
Washington, D.C.
20242

U.S. Geological Survey.

Reports - open file series, no. 965:1967.



DEC 19 1967

For a complete list of libraries, 1033 G Street, Washington, D.C. 20004;
Rocky Mountain Office, Denver, Colo. 80202, 3150 Middlefield Rd., Menlo
Park, Calif. 94025; or 180 Skyline Bldg., 4th and Ave., Anchorage,
Alaska 99501; 1000 North Bldg., College, Alaska 99701; 141 Federal Bldg., Juneau,
Alaska 99801; Alaska Div. Mines and Minerals Depositories - 3001 Porcupine
Bl., Fairbanks, Alaska 99701; University Ave., College, Alaska 99701;
300 Mountain Bldg., Wasilla, Alaska 99701.

acompanee

00) Weld - Int. 2905
2290
v. 965

GEOLOGIC DIVISION
U.S. GEOLOGICAL SURVEY
Washington, D.C.
20242

For release DECEMBER 20, 1967

The U. S. Geological Survey is releasing in open files the following reports. Copies are available for consultation at the offices listed beneath last item. Material from which copies can be made at private expense is available in the Alaskan Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif. 94025:

1. Metallic mineral resources map of the Chandalar quadrangle, Alaska, compiled by Edward H. Cobb. 5 p., 1 map, scale 1:250,000.
2. Metallic mineral resources map of the Wiseman quadrangle, Alaska, compiled by Edward H. Cobb. 6 p., 1 map, scale 1:250,000.
3. Metallic mineral resources map of the Healy quadrangle, Alaska, compiled by Edward H. Cobb. 5 p., 1 map, scale 1:250,000.
4. Metallic mineral resources map of the Mount Hayes quadrangle, Alaska, compiled by Edward H. Cobb. 8 p., 1 map, scale 1:250,000.
5. Metallic mineral resources map of the Bendeleben quadrangle, Alaska, compiled by Edward H. Cobb. 9 p., 1 map, scale 1:250,000.
6. Metallic mineral resources map of the Candle quadrangle, Alaska, compiled by Edward H. Cobb. 5 p., 1 map, scale 1:250,000.
7. Metallic mineral resources map of the Solomon quadrangle, Alaska, compiled by Edward H. Cobb. 10 p., 1 map, scale 1:250,000.
8. Metallic mineral resources map of the Seward and Blying Sound quadrangles, Alaska, compiled by Edward H. Cobb. 13 p., 1 map, scale 1:250,000.

USGS depositories: Libraries, 1033 GSA Bldg., Washington, D.C. 20242; Bldg. 25, Federal Center, Denver, Colo. 80225; 345 Middlefield Rd., Menlo Park, Calif. 94025; also at 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99501; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801. Alaska Div. Mines and Minerals depositories: 3001 Porcupine Dr., Anchorage, Alaska 99504; University Ave., College, Alaska 99701; 509 Goldstein Bldg., Juneau, Alaska 99801.

(200)
R290
no. 965



UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY *c Reports - open file series,*
no. 965

METALLIC MINERAL RESOURCES MAP OF THE CANDLE QUADRANGLE, ALASKA

Compiled by

Edward H. Cobb 1916-

intention

cm
9



Open-file map

1967

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

LODE DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/}
1	Candle Creek: Anderson (1947), p. 31	Pb
2	Canoe Creek: Anderson (1947), p. 31	Pb, Ag
3	Beltz: Gault, Killeen, West, and others (1953), p. 22 Unnamed occurrence: Gault, Killeen, West, and others (1953), p. 22	Cu Au
4	Bear Creek: Herreid (1965), p. 12	Au, Pb, Zn
5	Peace River: Smith and Eakin (1911), p. 135	Cu
^{1/}	Symbols - Cu, copper; Au, gold; Pb, lead; Ag, silver; Zn, zinc.	

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> ^{1/} , ^{2/}
6	Minnehaha Creek: Mendenhall (1902), p. 51 Mud Creek: Anderson (1947), p. 31, 34	Au Au, Pb, Hg
7	Candle Creek: Henshaw (1909), p. 364-368; Harrington (1918), p. 391-392; Anderson (1947), p. 31; Gault, Killeen, West, and others (1953), p. 11-14 Jump Creek: Gault, Killeen, West, and others (1953), p. 14	Cu, FM, Au, Pb Au
8	Kiwalik River: Gault, Killeen, West, and others (1953), p. 11	Au
9	Duck Creek: Gault, Killeen, West, and others (1953), p. 26-27	FM
10	West Clem Creek: Gault, Killeen, West, and others (1953), p. 26-27	FM
11	East Clem Creek: Gault, Killeen, West, and others (1953), p. 26-27	FM
12	Meinzer Creek: Gault, Killeen, West, and others (1953), p. 22, 27	FM
^{1/}	Symbols - Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Pb, lead; Hg, mercury.	
^{2/}	Gold has been produced from many of the listed placers.	

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
13	Sugar Loaf Creek: Gault, Killeen, West, and others (1953), p. 22, 26-27	FM
14	Muck Creek: Gault, Killeen, West, and others (1953), p. 24-25, 27	FM, W
15	Connolly Creek: Gault, Killeen, West, and others (1953), p. 25, 27	FM
16	Spruce Creek: Gault, Killeen, West, and others (1953), p. 22, 25, 27	FM
17	Sheridan Creek: Harrington (1919), p. 392-394	Au
18-19	Bear Creek: Harrington (1919), p. 392-394; Herreid (1965), p. 12-14	Au, Pt
20	Cub Creek: Harrington (1919), p. 392-393; Gault, Killeen, West, and others (1953), p. 18-19, 24-25	FM, Au
21	Quartz Creek: Smith (1934), p. 63; Gault, Killeen, West, and others (1953), p. 15-20	FM, Au, Pt, RE
22	Peace River: Gault, Killeen, West, and others (1953), p. 24-26	Bi, Cr, Cu, FM, Au, Pb, Mo, Zn
23	Rock Creek: Gault, Killeen, West, and others (1953), p. 22, 24	FM
24	Anzac Creek: Gault, Killeen, West, and others (1953), p. 5-6, 9, 25	FM
25	Rube Creek: Harrington (1919), p. 380-381, 394-395	Au
26-28	Sweepstakes Creek: Harrington (1919), p. 395; Gault, Killeen, West, and others (1953), p. 1, 3-9	FM, Au, Pt
29	Bear Gulch: Gault, Killeen, West, and others (1953), p. 3-4, 8	Au, Pt

1/ Symbols - Bi, bismuth; Cr, chromite; Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Pb, lead; Mo, molybdenum; Pt, platinum-group metals; RE, mineral (other than monazite) that contains rare-earth element(s); W, tungsten; Zn, zinc.

2/ Gold has been produced from many of the listed placers.

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
30	Spring Creek: Gault, Killeen, West, and others (1953), p. 3-4	Au
31	Peace River: Smith and Eakin (1911), p. 114	Au
32	Dime Creek: Harrington (1919), p. 380-381, 396-398; Anderson (1947), p. 18	Cr, Au, Pt
33	Alameda Creek: Smith and Eakin (1911), p. 110-113	Au
34	Koopuk (Koobuk) Creek (River): Brooks (1925), p. 50	Au

Placer deposits not shown on map because occurrences could not be located closely enough to plot:

<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
Hunter Creek: Cass (1959)	Au
Kenwood Creek: Smith and Eakin (1911), p. 112-113; Eakin (1915), p. 371	Au
Placer Creek: Brooks (1913), p. 49	Au

1/ Symbols - Cr, chromite; Au, gold; Pt, platinum-group metals.

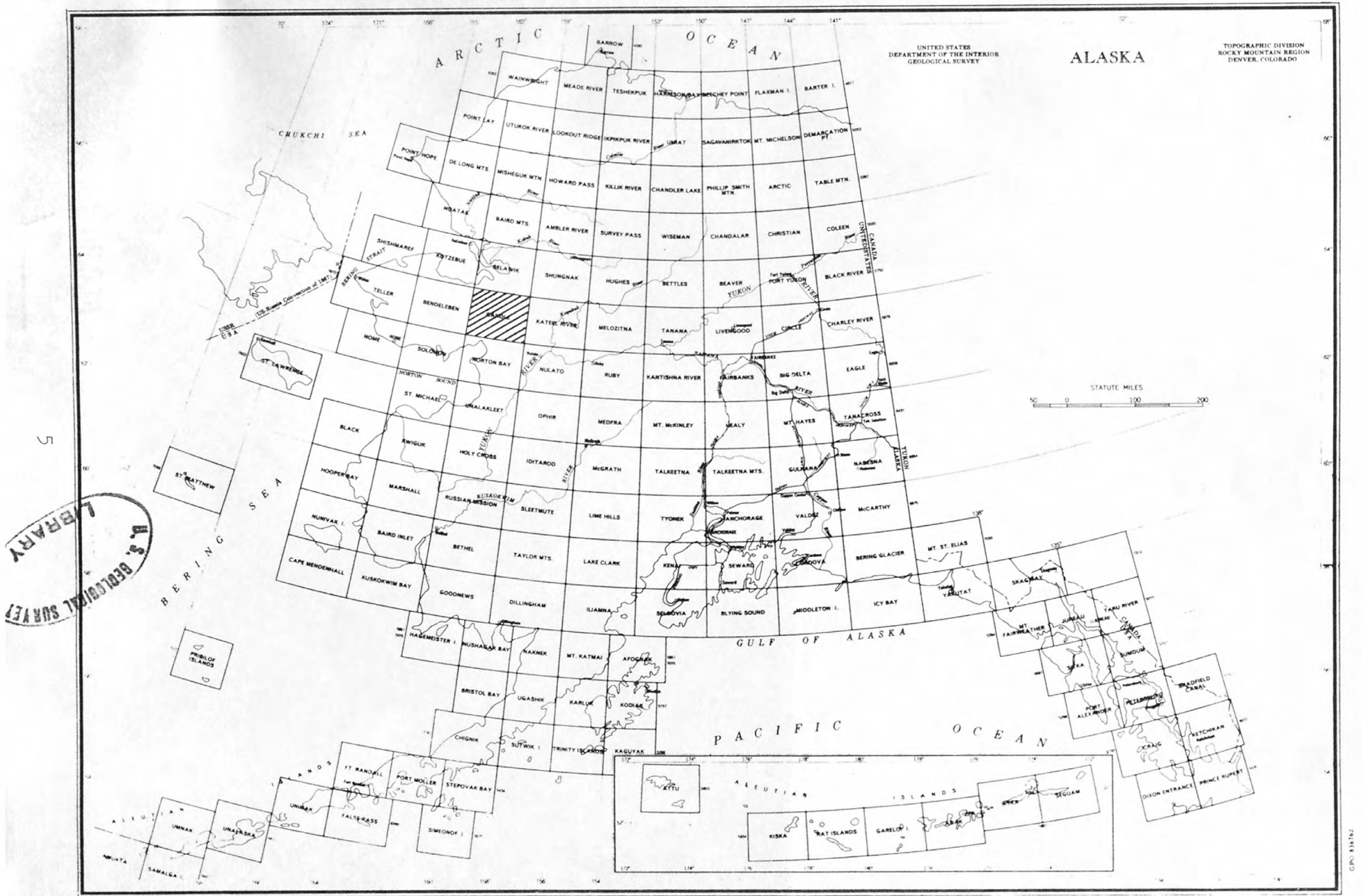
2/ Gold has been produced from many of the listed placers.

REFERENCES

- Anderson, Eskill, 1947, Mineral occurrences other than gold deposits in northwestern Alaska: Alaska Dept. Mines Pamph. 5-R, 48 p.
- Brooks, A. H., 1913, The mining industry in 1912: U.S. Geol. Survey Bull. 542, p. 18-51.
- , 1925, Alaska's mineral resources and production, 1923: U.S. Geol. Survey Bull. 773, p. 1-52.
- Cass, J. T., 1959, Reconnaissance geologic map of the Candle quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-287.
- Eakin, H. M., 1915, Placer mining in Seward Peninsula: U.S. Geol. Survey Bull. 622, p. 366-373.
- Gault, H. R., Killeen, P. L., West, W. S., and others, 1953, Reconnaissance for radioactive deposits in the northeastern part of the Seward Peninsula, Alaska, 1945-47 and 1951: U.S. Geol. Survey Circ. 250, 31 p.
- Harrington, G. L., 1919, The gold and platinum placers of the Kiwalik-Koyuk region: U.S. Geol. Survey Bull. 692, p. 369-400.
- Henshaw, F. F., 1909, Mining in the Fairhaven precinct: U.S. Geol. Survey Bull. 379, p. 355-369.
- Herreid, Gordon, 1965, Geology of the Bear Creek area, Seward Peninsula, Candle quadrangle, Alaska: Alaska Div. Mines and Minerals Geol. Rept. 12, 16 p.
- Mendenhall, W. C., 1902, Reconnaissance from Fort Hamlin to Kotzebue Sound, Alaska, by way of Dall, Kanuti, Allen, and Kowak rivers: U.S. Geol. Survey Prof. Paper 10, 68 p.
- Smith, P. S., 1934, Mineral industry of Alaska in 1932: U.S. Geol. Survey Bull. 857-A, p. 1-91.
- Smith, P. S., and Eakin, H. M., 1911, A geologic reconnaissance in southeastern Seward Peninsula and the Norton Bay-Nulato region, Alaska: U.S. Geol. Survey Bull. 449, 146 p.

SOURCE OF DATA ON DISTRIBUTION OF IGNEOUS ROCKS

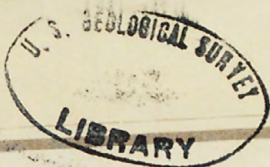
- Patton, W. W., Jr., 1967, Regional geologic map of the Candle quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-492.



Index map showing location of the Candle quadrangle.

POCKET CONTAINS
/ ITEMS.

(200)
R290
no. 965



OPEN-FILE MAP

PLEASE
IN BACK

30' R. 4 W.

R 3 W.

R 2 W.

159°00'

66°00'

USGS LIBRARY - RESTON



3 1818 00082728 5