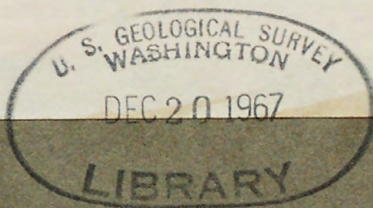


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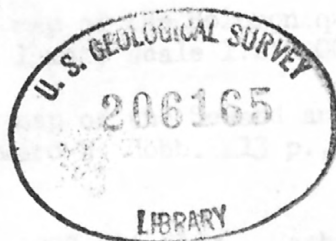
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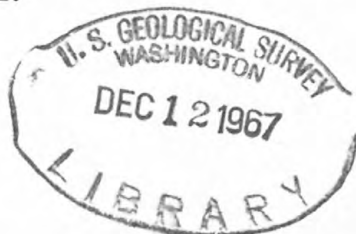
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The U. S. Geological Survey is releasing in open files the following reports. Copies are available for consultation at the offices listed beneath last item. Material from which copies can be made at private expense is available in the Alaskan Branch,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

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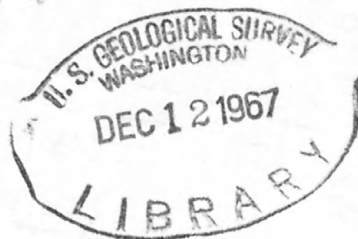
METALLIC MINERAL RESOURCES MAP OF THE CHANDALAR QUADRANGLE, ALASKA

Compiled by

Edward H. Cobb 1916-

Washington

cm.



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

Number	Name and principal reference(s)	Commodity <u>1/</u> , <u>2/</u>
1	Big Jim Creek: Brosg� and Reiser (1964)	Cu, Pb
2	Snowden Creek: Brosg� and Reiser (1964)	Cu
3	Unnamed occurrence: Brosg� and Reiser (1964)	Cu
4	Mathews River: Brosg� and Reiser (1964)	Pb
5	Sheep Creek: Brosg� and Reiser (1964)	Cu
6	Quartz Creek: Brosg� and Reiser (1964)	Cu
7-9	Unnamed occurrences: Brosg� and Reiser (1964)	Cu
10	Limestone Creek: Brosg� and Reiser (1964)	Ni, Pt, Ag
11	Willow Creek: Brosg� and Reiser (1964)	Zn
12	Howard Creek: Brosg� and Reiser (1964)	Cu, Ni
13	Horse Creek: Brosg� and Reiser (1964)	Cu
14	Unnamed occurrence: Brosg� and Reiser (1964)	Cu
15	Unnamed occurrence: Brosg� and Reiser (1964)	Cu, Ni
16	Siwash Creek: Brosg� and Reiser (1964)	Cu
17	Chandalar River, West Fork: Brosg� and Reiser (1964)	Cu
18	Big Squaw Creek: Maddren (1913), p. 112-115	Sb, Cu, Au, Pb, Ag, Zn
19	Little Squaw: Maddren (1913), p. 113-115; Brooks (1914), p. 68; Mertie (1925), p. 261-262	Sb, Cu, <u>Au</u> , Pb, Ag, Zn
20	Big Creek: Maddren (1913), p. 114-115; Mertie (1925), p. 262-263	Sb, Cu, Au, Pb, Ag, Zn

1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Ni, nickel; Pt, platinum-group metals; Ag, silver; Zn, zinc.

2/ Symbol underlined indicates recorded production.

PLACER DEPOSITS

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
21	Linda Creek: Maddren (1913), p. 102-104	Au
22	Sheep Creek (Gulch): Maddren (1913), p. 99; Brosge and Reiser (1964)	Au
23	Gold Creek: Schrader (1904), p. 105; Maddren (1913), p. 99-102	Sb, Au
24	Emory Creek: Maddren (1913), p. 104-105	Au
25	Boer (Bore) Creek (Gulch): Maddren (1913), p. 108	Au
26	Jim Gulch (Pup): Maddren (1913), p. 70, 108	Au
27	Wakeup Creek: Smith (1939), p. 55	Au
28	Lake Creek: Brosge and Reiser (1964)	Au
29	Garnet Creek: Maddren (1913), p. 69, 104	Au
30	Eightmile Creek: Maddren (1913), p. 105; Joesting (1943), p. 18	Au, Hg
31	Mule Creek: Maddren (1913), p. 104-105	Cu, Au, Ag
32	Marion Creek: Maddren (1913), p. 90	Au
33	Myrtle Creek: Maddren (1913), p. 86-89	Au
34	Slate Creek: Maddren (1913), p. 86-88; Brosge and Reiser (1964)	Au
35	Sawlog Creek: Brosge and Reiser (1964)	Au
36	Dennys Gulch: Freeman (1963), p. 31; Brosge and Reiser (1964)	Au
37	Tobin Creek: White (1952), p. 11; Nelson, West, and Matzko (1954), p. 17-18	Au, Pb, Mz, W
38	St. Mary Creek (Gulch): Maddren (1913), p. 116	Au

1/ Symbols - Sb, antimony; Cu, copper; Au, gold; Pb, lead; Hg, mercury; Mz, monazite; Ag, silver; W, tungsten.

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

<u>Number</u>	<u>Name and principal reference(s)</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
39	Big Creek: Mertie (1925), p. 260-261, 263	Cu, Au, Pb, Mz, W
40	Big Squaw Creek: Mertie (1925), p. 259-260, 263; Nelson, West, and Matzko (1954), p. 16-19	Sb, FM, Au, Pb, Mo, Mz
41	Little Squaw Creek: Mertie (1925), p. 254-259, 263; Nelson, West, and Matzko (1954), p. 17-18	Au, Pb, Mz, W

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

<u>Name and principal reference</u>	<u>Commodity</u> <u>1/</u> , <u>2/</u>
Bettles River: Smith (1930), p. 33	Au
California Creek: Maddren (1913), p. 70, 107-108	Au
Cripple Creek: Alaska Dept. Mines (1948), p. 36	Au
Dictator Creek: Smith (1933), p. 41	Au
Minnie Creek: Maddren (1913), p. 69, 94-95	Au
Phoebe Creek: Maddren (1913), p. 105	Au
Robert Creek, tributaries: Maddren (1913), p. 105	Au
Sheep Creek: Maddren (1913), p. 105	Au
Spruce Creek: Maddren (1913), p. 105	Au

1/ Symbols - Sb, antimony; Cu, copper; FM, fissionable materials (other than monazite); Au, gold; Pb, lead; Mo, molybdenum; Mz, monazite; W, tungsten.

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

REFERENCES

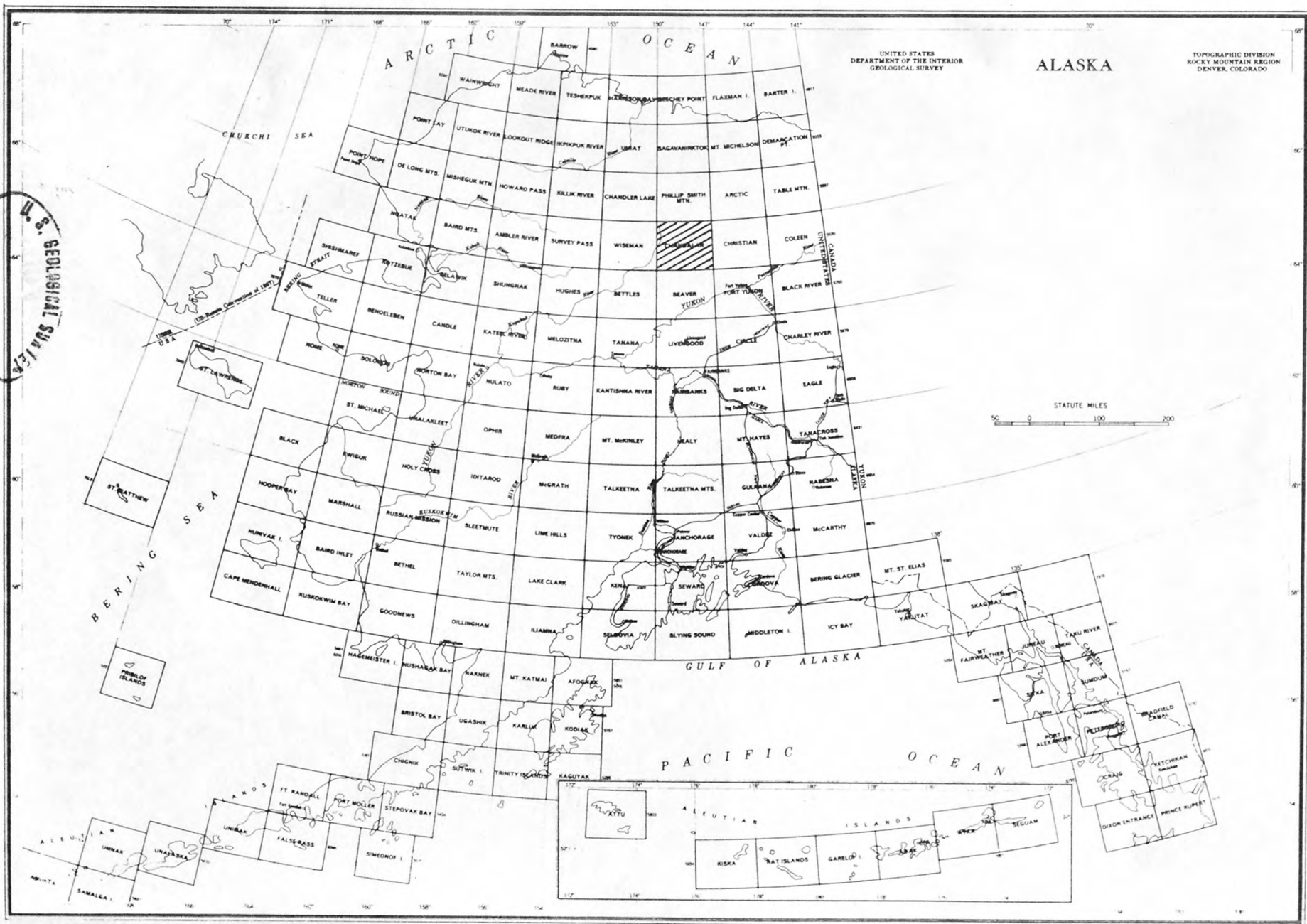
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- Brooks, A. H., 1914, The Alaskan mining industry in 1913: U.S. Geol. Survey Bull. 592, p. 45-74.
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- Freeman, V. L., 1963, Examination of uranium prospects, 1956: U.S. Geol. Survey Bull. 1155, p. 29-33.
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- Maddren, A. G., 1913, The Koyukuk-Chandalar region, Alaska: U.S. Geol. Survey Bull. 532, 119 p.
- Mertie, J. B., Jr., 1925, Geology and gold placers of the Chandalar district: U.S. Geol. Survey Bull. 773, p. 215-263.
- Nelson, A. E., West, W. S., and Matzko, J. J., 1954, Reconnaissance for radioactive deposits in eastern Alaska, 1952: U.S. Geol. Survey Circ. 348, 21 p.
- Schrader, F. C., 1904, A reconnaissance in northern Alaska across the Rocky Mountains, along Koyukuk, John, Anaktuvuk, and Colville rivers and the Arctic coast to Cape Lisburne, in 1901: U.S. Geol. Survey Prof. Paper 20, 139 p.
- Smith, P. S., 1930, Mineral industry of Alaska in 1928: U.S. Geol. Survey Bull. 813, p. 1-72.
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- White, M. G., 1952, Radioactivity of selected rocks and placer concentrates from northeastern Alaska: U.S. Geol. Survey Circ. 195, 12 p.

SOURCE OF DATA ON DISTRIBUTION OF GRANITIC ROCKS

- Brosge, W. P., and Reiser, H. N., 1964, Geologic map and section of the Chandalar quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-375.

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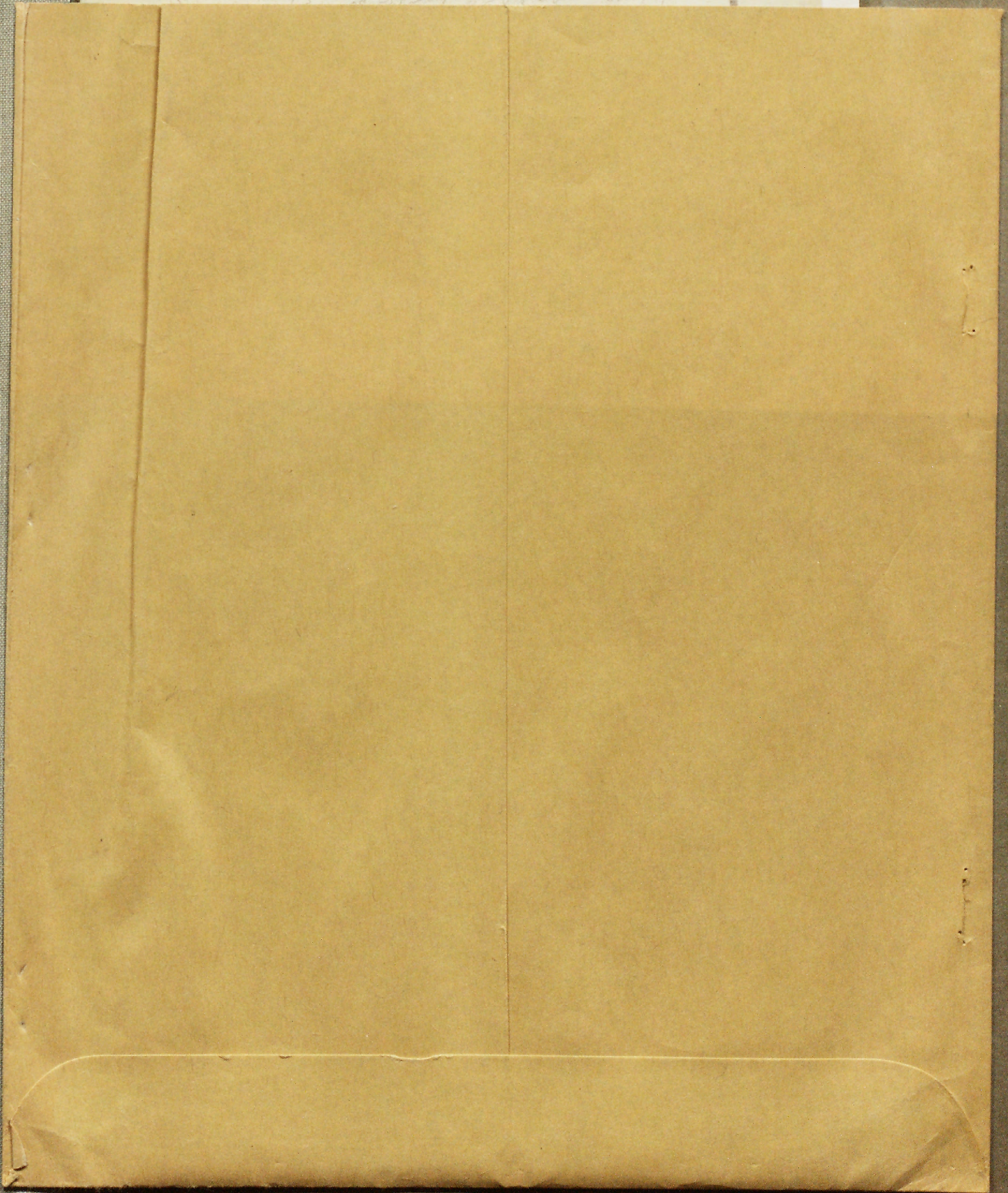


Index map showing location of the Chandalar quadrangle.

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