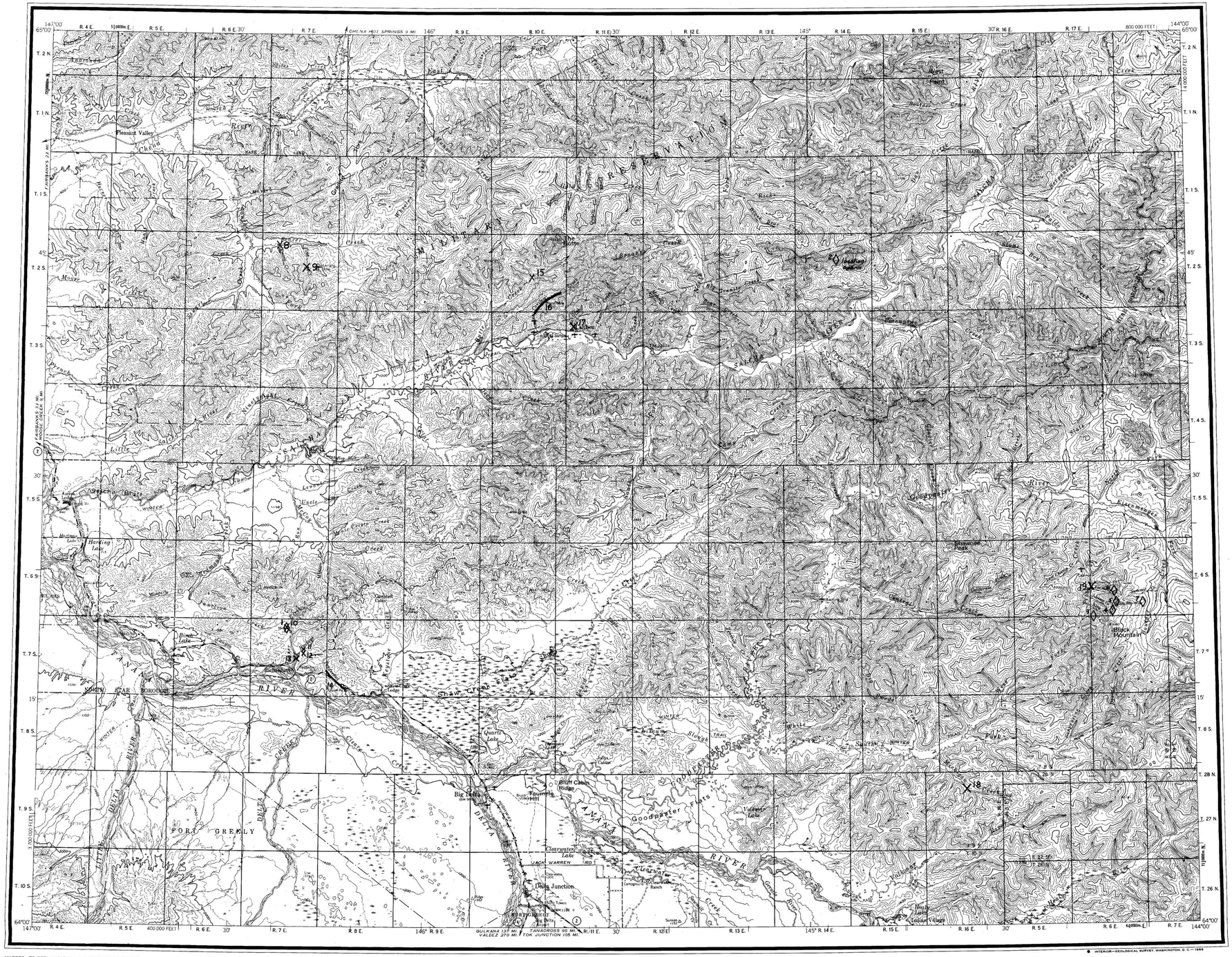
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

BIG DELTA

Big Delta
MISCELLANEOUS FIELD STUDIES
MAP MF-388



EXPLANATION

◇ 5 Lode deposit
X 13 Placer deposit
/ 16
} numbers refer to accompanying list

SCALE 1:250000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

N

METALLIC MINERAL RESOURCES MAP OF THE BIG DELTA QUADRANGLE, ALASKA

Compiled by
Edward H. Cobb

LODE DEPOSITS

Number	Name and principal reference(s)	Commodity 1/, 2/
1	Democrat: Brooks, 1923, p. 33	Au
2	Nickel Creek: Joesting, 1942, p. 18	Ni
	Salcha River: Joesting, 1942, p. 16; Berg and Cobb, 1967, p. 221	Cr
3	Gray Lead: Thomas, 1970, p. 7-9, 11	Au
	Tibbs Creek: Joesting, 1942, p. 14; written commun., R. M. Chapman, 1953	Sb, Au
	Unnamed occurrence: Thomas, 1970, p. 11	Sb
4	Grizzly Bear: Smith, 1939, p. 30; Thomas, 1970, p. 11	Au
5	Blue Lead: Smith, 1939, p. 30; Thomas, 1970, p. 7, 10-11	Sb, Cu, Au
	Hidden Treasure: written commun., R. M. Chapman, 1953	Sb
	Unnamed occurrence: written commun., R. M. Chapman, 1953	Sb, Au, Ag
6	Antimony Creek: written commun., R. M. Chapman, 1953	Sb
7	Boulder Creek: Joesting, 1942, p. 29	Mo

PLACER DEPOSITS

Number	Name and principal reference(s)	Commodity 1/, 3/
8	Beaver Creek: Ellsworth and Davenport, 1913, p. 208; Joesting, 1942, p. 34	Au, Sn
9	Pine (Pyne) Creek: Joesting, 1942, p. 34	Sn
10	Democrat Creek: Saunders, 1965, p. 4	Au, Ag
11	Buckeye Creek: Wedow, Killeen, and others, 1954, p 11, 13; Saunders, 1965, p. 4	Au, Pb, Sn(?), W
	Moore Creek: Smith, 1930, p. 26	Au
12	Hinkley Gulch: Saunders, 1965, p. 2, 4	Au, Sn
13	Banner Creek: Saunders, 1965, p. 2	Au
14	Tenderfoot Creek: Prindle and Katz, 1913, p. 141; Saunders, 1965, p. 2, 4	Au, Pb
15	Butte Creek: Prindle, 1906, p. 123-125	Au
16	Caribou Creek: Prindle, 1913, p. 80; Joesting, 1942, p. 34, 39	Au, Sn, W
	Salcha River: Smith, 1937, p. 41	Au
17	No Grub Creek: Smith, 1942, p. 39	Au
	Salcha River: Smith, 1937, p. 41	Au
18	Michigan Creek: Brooks, 1918, p. 60	Au
19	Tibbs Creek: Cobb, 1972, p. 74	Au

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

Granite Creek: Brooks, 1918, p. 60	Au
Kenyon Creek: Brooks, 1916, p. 67; Brooks, 1918, p. 60	Au

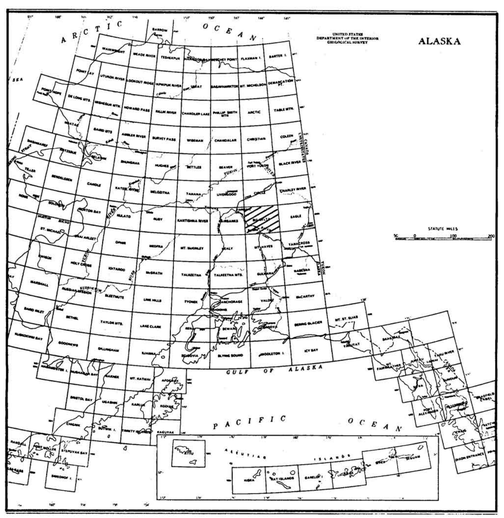
1/ Symbols - Sb, antimony; Cr, chromite; Au, gold; Pb, lead; Mo, molybdenum; Ni, nickel; Ag, silver; Sn, tin; W, tungsten.

2/ Symbol underlined indicates recorded production.

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

REFERENCES

Berg, H. C., and Cobb, E. H., 1967, Metalliferous lode deposits of Alaska: U.S. Geol. Survey Bull. 1246, 254 p.
Brooks, A. H., 1916, The Alaska mining industry in 1915: U.S. Geol. Survey Bull. 642, p. 1-71.
_____ 1918, The Alaskan mining industry in 1916: U.S. Geol. Survey Bull. 662, p. 11-62.
_____ 1923, The Alaskan mining industry in 1921: U.S. Geol. Survey Bull. 739, p. 1-50.
Cobb, E. H., 1972, Placer deposits of Alaska: U.S. Geol. Survey open-file rept., 132 p.
Ellsworth, C. E., and Davenport, R. W., 1913, Placer mining in the Yukon-Tanana region: U.S. Geol. Survey Bull. 542, p. 203-222.
Joesting, H. R., 1942, Strategic mineral occurrences in interior Alaska: Alaska Dept. Mines Pamph. 1, 46 p.
Prindle, L. M., 1906, Yukon placer fields: U.S. Geol. Survey Bull. 284, p. 109-127.
_____ 1913, A geologic reconnaissance of the Circle quadrangle, Alaska: U.S. Geol. Survey Bull. 538, 82 p.
Prindle, L. M., and Katz, F. J., 1913, Geology of the Fairbanks district: U.S. Geol. Survey Bull. 525, p. 59-152.
Saunders, R. H., 1965, A geochemical investigation in the Richardson area, Big Delta quadrangle, Alaska: Alaska Dept. Mines and Minerals Geochem. Rept. 3, 12 p.
Smith, P. S., 1930, Mineral industry of Alaska in 1927: U.S. Geol. Survey Bull. 810, p. 1-64.
_____ 1937, Mineral industry of Alaska in 1935: U.S. Geol. Survey Bull. 880-A, p. 1-95.
Smith, P. S., 1939, Mineral industry of Alaska in 1938: U.S. Geol. Survey Bull. 917-A, p. 1-113.
_____ 1942, Mineral industry of Alaska in 1940: U.S. Geol. Survey Bull. 933-A, p. 1-102.
Thomas, B. I., 1970, Reconnaissance of gold-bearing quartz veins in the Tibbs Creek area, Goodpaster River, Big Delta quadrangle, central Alaska: U.S. Bur. Mines open-file rept., 12 p.
Wedow, Helmuth, Jr., Killeen, P. L., and others, 1954, Reconnaissance for radioactive deposits in eastern interior Alaska, 1946: U.S. Geol. Survey Circ. 331, 36 p.



Index map showing location of the Big Delta quadrangle.