

Base from U.S. Geological Survey, 1955

Map C.--Gold, silver, and arsenic in heavy-mineral concentrates and gold and silver in stream-sediment samples, Mount Hayes quadrangle, Alaska.

Geology (generalized) mapped by W.J. Nokleberg, I.M. Lange, J.N. Aleinikoff, R.T. Miyaoka, C.E. Schwab, and R.E. Zehner, 1977–1985.

EXPLANATION OF GEOCHEMICAL SYMBOLS

Patterned areas delineate drainage basins in which anomalously high amounts of the metals shown on the maps were found. Frequencies and cumulative percents for the metals are shown in tables 1 through 8. The anomalous levels (weak, moderate, or strong) refer to the relative class or range on tables 1 through 8.

WEAK METAL ANOMALY

MODERATE METAL ANOMALY

STRONG METAL ANOMALY

ANOMALOUS VALUE IN STREAM SEDIMENT

ANOMALOUS CONCENTRATION OF ONLY ONE OF THE SELECTED METALS

CLUSTER OF DRAINAGE BASINS REFERRED TO IN TEXT

SAMPLE SITE



Base from U.S. Geological Survey, 1955

Map E.--Chromium, cobalt, and nickel in stream-sediment samples, Mount Hayes quadrangle, Alaska.

Geology (generalized) mapped by W.J. Nokleberg, I.M. Lange, J.N. Aleinikoff, R.T. Miyaoka, C.E. Schwab, and R.E. Zehner, 1977–1985.



Base from U.S. Geological Survey, 1955

Map D.--Tin, tungsten, antimony, and bismuth in heavy-mineral concentrates and tin and tungsten in stream-sediment samples, Mount Hayes quadrangle, Alaska.

Geology (generalized) mapped by W.J. Nokleberg, I.M. Lange, J.N. Aleinikoff, R.T. Miyaoka, C.E. Schwab, and R.E. Zehner, 1977–1985.



Base from U.S. Geological Survey, 1955

Map F.-- Chromium, cobalt, and nickel in heavy-mineral concentrate, Mount Hayes quadrangle, Alaska.

Geology (generalized) mapped by W.J. Nokleberg, I.M. Lange, J.N. Aleinikoff, R.T. Miyaoka, C.E. Schwab, and R.E. Zehner, 1977–1985.

SCALE 1:250 000

CONTOUR INTERVAL 200 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SUMMARY AND INTERPRETATION OF GEOCHEMICAL MAPS FOR STREAM SEDIMENT AND HEAVY MINERAL CONCENTRATE SAMPLES, MOUNT HAYES QUADRANGLE, EASTERN ALASKA RANGE, ALASKA

By
Gary C. Curtin, Richard B. Tripp, and Warren J. Nokleberg

1989

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1989