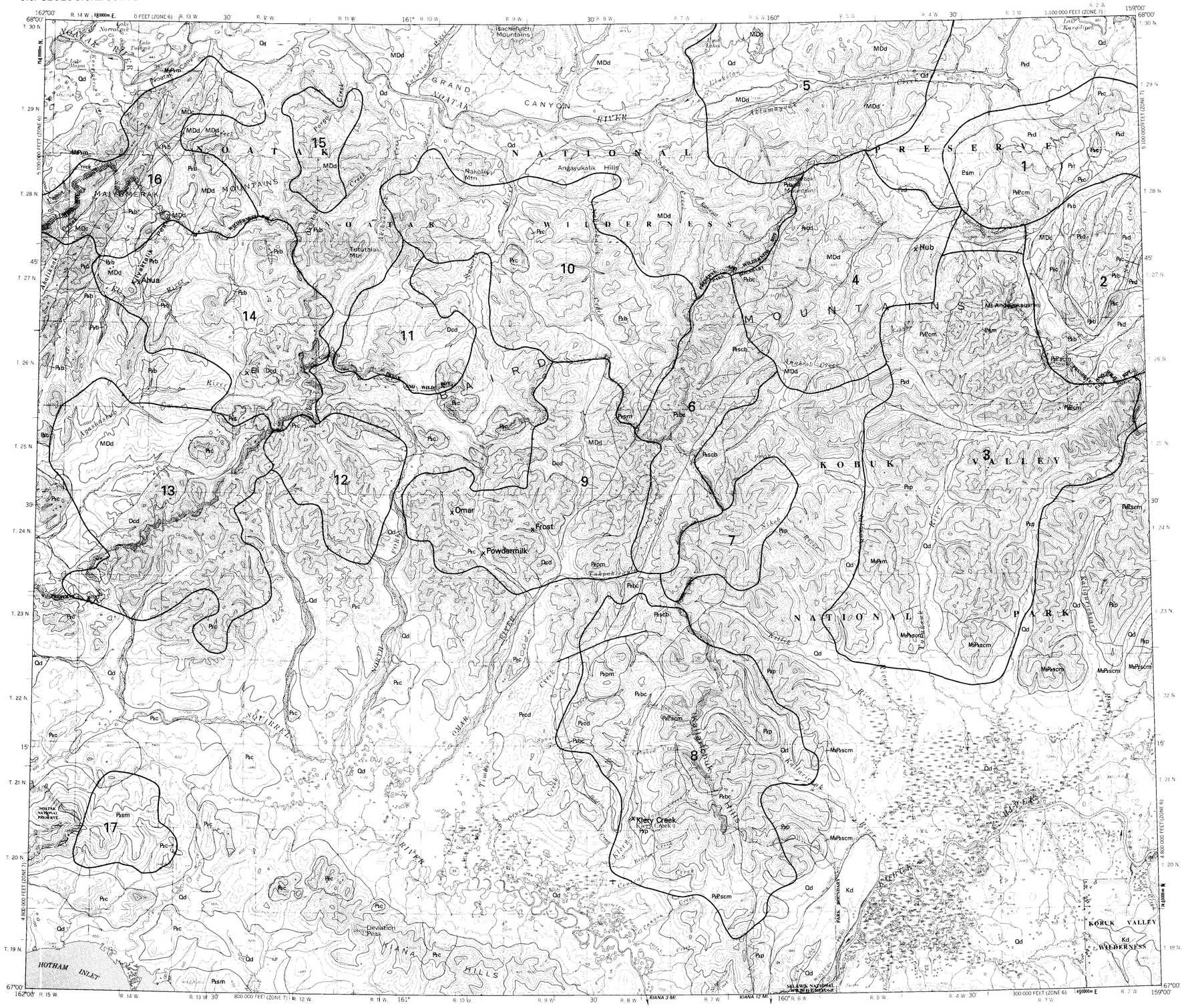


Base from U.S. Geological Survey, 1956
Projection and 10,000-meter grid ticks shown
Universal Transverse Mercator, zone 4
100,000-foot grid ticks based on Alaska coordinate system, zones 6 and 7
1927 North American datum

SCALE 1:250 000

5 0 5 10 15 MILES

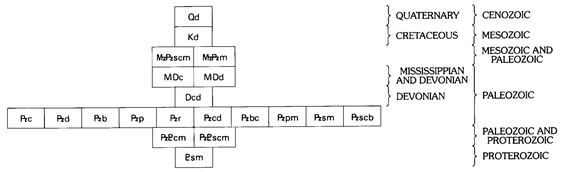
5 0 5 10 15 KILOMETERS

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100 FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

Geology generalized from Karl and others (1989). Geochemically anomalous areas determined by the authors

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

Qd	Undifferentiated surficial deposits (Quaternary)
Kd	Detrital rocks consisting of conglomerate with lesser sandstone and siltstone (Cretaceous)
MzPzscm	Mixed schists, carbonate rocks, and mafic rocks, undivided (Mesozoic and Paleozoic)
MzPzm	Melange and phyllite (Mesozoic and Paleozoic)
MDc	Carbonate rocks; includes rocks of the Kogruk Formation and the Kugururok Limestone (Mississippian and Devonian)
MDd	Detrital rocks; includes rocks of the Utukok Formation, Kayak Shale, Kanayut Conglomerate, Endicott Group, Noatak Sandstone, and Hunt Fork Shale (Mississippian and Devonian)
Dcd	Carbonate and detrital rocks (Devonian)
Pzc	Carbonate rocks; includes rocks of the Baird Group (Paleozoic)
Pzd	Detrital rocks (Paleozoic)
Pzb	Carbonaceous shale, chert, quartzite, and minor limestone and volcanic tuff (Paleozoic)
Pzp	Pelitic schist (Paleozoic)
Pzr	Rhyolite (Paleozoic)
Pzcd	Carbonate and detrital rocks (Paleozoic)
Pzbc	Black and carbonate rocks (Paleozoic)
Pzpm	Pelitic and mafic rocks (Paleozoic)
Pzsm	Mixed schists and mafic rocks, undivided (Paleozoic)
Pzscb	Mixed schists, carbonate rocks, and black rocks, undivided (Paleozoic)
PzEcm	Carbonate and mafic rocks (Paleozoic and Proterozoic)
PzEscm	Mixed schists, carbonate rocks, and mafic rocks, undivided (Paleozoic and Proterozoic)
Ezm	Mixed schists and mafic rocks, undivided (Proterozoic)

Contact

Fault

EXPLANATION OF GEOCHEMICAL SYMBOLS

Boundary and number of geochemically anomalous area—See table 6

x Significant mineral occurrence—Described in text

REFERENCE

Karl, S.M., Dumoulin, J.D., Ellersieck, Inyo, Harris, A.G., and Schmidt, J.M., 1989, Preliminary geologic map of the Baird Mountains and part of the Selawik quadrangles, Alaska: U.S. Geological Survey Open-File Report 89-551, 65 p., map scale 1:250,000.

GEOCHEMICALLY ANOMALOUS AREAS AND GENERALIZED GEOLOGY OF THE BAIRD MOUNTAINS 1° × 3° QUADRANGLE, ALASKA

By
Peter F. Folger, Richard J. Goldfarb, and Barrett A. Cieutat

1992