ADGGS
Minerals Library

Base from U.S. Geological Survey, Misheguk Mountain and Utukok River, unedited advance print, 1:250,000

SCALE 1:63 360

1 ½ 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

TRUE NORTH
MAGNETIC NORTH
18° 22°

APPROXIMATE MEAN DECLINATION (1955-1961)

INDEX OF ALASKA SHOWING LOCATION OF KUKPOWRUK-NUKA RIVERS REGION (SHADED) AND NATIONAL PETROLEUM RESERVE IN ALASKA (CROSS-HATCHED)

Geology mapped primarily in 1947, 1950, and 1951

LIST OF MAP UNITS
(See accompanying sheet for correlation of map units)

Qc	COLLUVIUM (HOLOCENE)
Qal	ALLUVIUM (HOLOCENE)
Qtg	HIGH-LEVEL GRAVEL (HOLOCENE AND PLEISTOCENE)
	NANUSHUK GROUP
Kk	Kukpowruk Formation (Lower Cretaceous)
Kt	TOROK FORMATION (LOWER CRETACEOUS)
Ktf	TOROK AND FORTRESS MOUNTAIN FORMATIONS (LOWER CRETACEOUS)
	FORTRESS MOUNTAIN FORMATION
Kfl	Shale member
Kfw	Wacke and conglomerate member
Kfs	Sandstone member
Kms	MICACEOUS SANDSTONE (LOWER CRETACEOUS)
Ko	OKPIKRUAK FORMATION (LOWER CRETACEOUS)
Koq	Quartzite member
Kow	Wacke member
Ku	CRETACEOUS ROCKS
KJa	ARGILLACEOUS UNIT (LOWER CRETACEOUS AND JURASSIC)
KJsm	WACKE, SANDSTONE AND MUDSTONE (LOWER CRETACEOUS? AND JURASSIC?)
KJsc	WACKE, SANDSTONE AND CONGLOMERATE (LOWER CRETACEOUS? AND JURASSIC?)
KJwc	WACKE WITH CANNONBALL CONCRETIONS (LOWER CRETACEOUS? AND JURASSIC?)
KJm	MAFIC IGENOUS ROCKS (LOWER CRETACEOUS TO JURASSIC)
Ꞧ s	SHUBLIK FORMATION (UPPER AND MIDDLE TRIASSIC)
JMcu	CHERTY ROCKS (JURASSIC? TO MISSISSIPPIAN)
JPcl	Light-colored cherty unit (Jurassic? to Pennsylvanian)
PMcd	Dark-colored cherty unit (Pennsylvanian and Mississippian
PMn	NUKA FORMATION (PERMIAN, PENNSYLVANIAN, AND MISSISSIPPIAN)
	LISBURNE GROUP
Mt	Tupik Formation (Upper Mississippian)
Mk	Kogruk Formation (Upper and Lower Mississippian)
Mu	Utukok Formation (Lower Mississippian)
Mka	KAYAK SHALE (LOWER MISSISSIPPIAN)
Dk	KUGURUROK FORMATION (DEVONIAN)
Du	DEVONIAN ROCKS
Mz Pz	MESOZOIC AND PALEOZOIC ROCKS

GEOLOGIC MAP OF THE EAST-CENTRAL KUKPOWRUK-NUKA RIVERS REGION, NORTHWESTERN ALASKA

By

E. G. Sable, M. D. Mangus, R. H. Morris, and J. T. Dutro, Jr.

1984

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