

UTUKOK RIVER

MAP UNITS

QUATERNARY	Q1 Unalutian Gravels	Q2 Terrace Gravels	Q3 Colluvium	Q4 Typic gravels	Q5 Slope growth
UPPER CRETACEOUS	Kn Prince Creek Formation	Kn Scabers Formation	Kn Corwin Formation	Kn Kuguk Formation	Kn Tuna Formation
LOWER CRETACEOUS	Kn Fairweather Mountain Fm.	Kn Kluksan Formation	Kn Tulevuk Formation	Kn Dugutuk Formation	Kn Kluksan Formation
JURASSIC	Kn Shublik Formation	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided
TRIASSIC	Kn Shublik Formation	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided	Kn Shublik and Siskiyak undivided
PERMIAN	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation
PENNSYLVANIAN(?)	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation
MISSISSIPPIAN	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation
DEVONIAN	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation
CRETACEOUS-JURASSIC	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation	Kn Tulevuk Formation

GEOLOGIC SYMBOLS

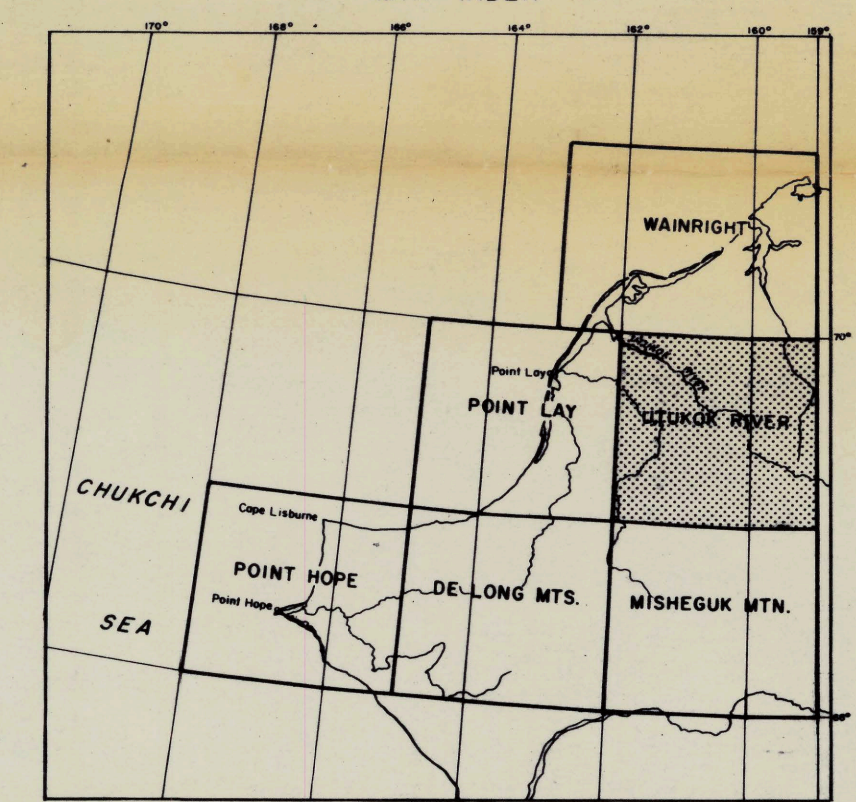
STRIKE AND DIP	Horizontal	Dip less than 3°	Dip 3° to 10°	Dip 10° to 25°	Dip 25° to 45°	Dip more than 45°	Vertical	Overturned	Dip of dip	Indeterminate
FAULTS AND FRACTURES	Major fault trace—Fault plane dip high	Major fault—Fault plane dip low to moderate. Probably folded	Minor fault—Fault plane dip low to moderate. Probably folded	Minor fault trace—Fault plane dip moderate to high	Lineament, fracture zone	Joint or fracture	Definite or probable fracture trace	Minor fracture trace		
FOLDS	Crest line of anticline or syncline showing apex and plunge	Trough line of syncline or synform showing high point and plunge	Anticline and syncline based on geomorphic evidence	Overturned anticline and syncline	Anticline and syncline coincide with fault trace	Structural terrace	Monocline	Topographic feature possibly controlled by strike or structure, S on down dip side	Probable	Possible

ANOMALY CRITERIA ABBREVIATIONS	AD Arcuate Drainage	AMR Arcuate Mosaic Ridges	BD Barbed Drainage	CD Centripetal Drainage	CPC Channel Pattern Change	DC Dip Control	DD Deflected Drainage	DS Deflected Stream	DT Dissected Terrace	FC Floodplain Constriction	FF Flank Fractures	FL Flaring Linears	HD High Density Fracture Zone	ID Increased Dissection	IS Incised Stream	IT Inverted Topography	LP Lake Pattern	MD Moraine Deflection	MM Meander Migration	MO Moderate Obsequent Drainage	OA Outcrop Area	OD Obsequent Drainage	PDC Possible Dip Control	PS Ponded Stream	RD Radial Drainage	RF Radial Fractures	SA Subareolar Drainage	SR Subradial Drainage	TA Tonal Anomaly	TD Topographic Dissection	TF Topographic Flattening	TH Topographic High	TS Topographic Steepening
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CONTACTS	Contact	Major lithologic change. Possible formation/member boundary	Key horizon	Color or tonal change	Vegetation change	Morphologic break	Topographic change. Arrows on high side
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SPECIAL SYMBOLS	Connects some map unit	Outcrop in mantled area	Drainage divide	Escarpment	Mine or prospect	Mountain peak	Glacier or snow field	Glacial station—Direction of ice movement indicated	Abandoned stream channels	Muskey	Oil	Gas	Dry and abandoned	Oil show	Primary road	Secondary road	Trail	Bridge	Airport	Loading strip	Town	Settlement	Clearing	Braked stream	Gas show	Oil and gas show	Structural, stratigraphic test	Drilling
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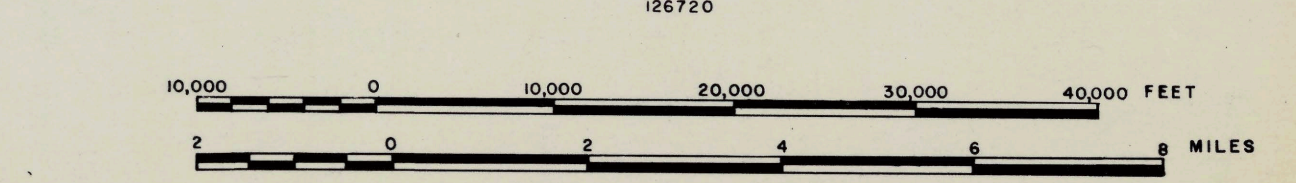


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GEOLOGIC AND MORPHOSTRUCTURAL ANALYSIS MAP
CHUKCHI SEA REGION
ALASKA
CF 800101
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