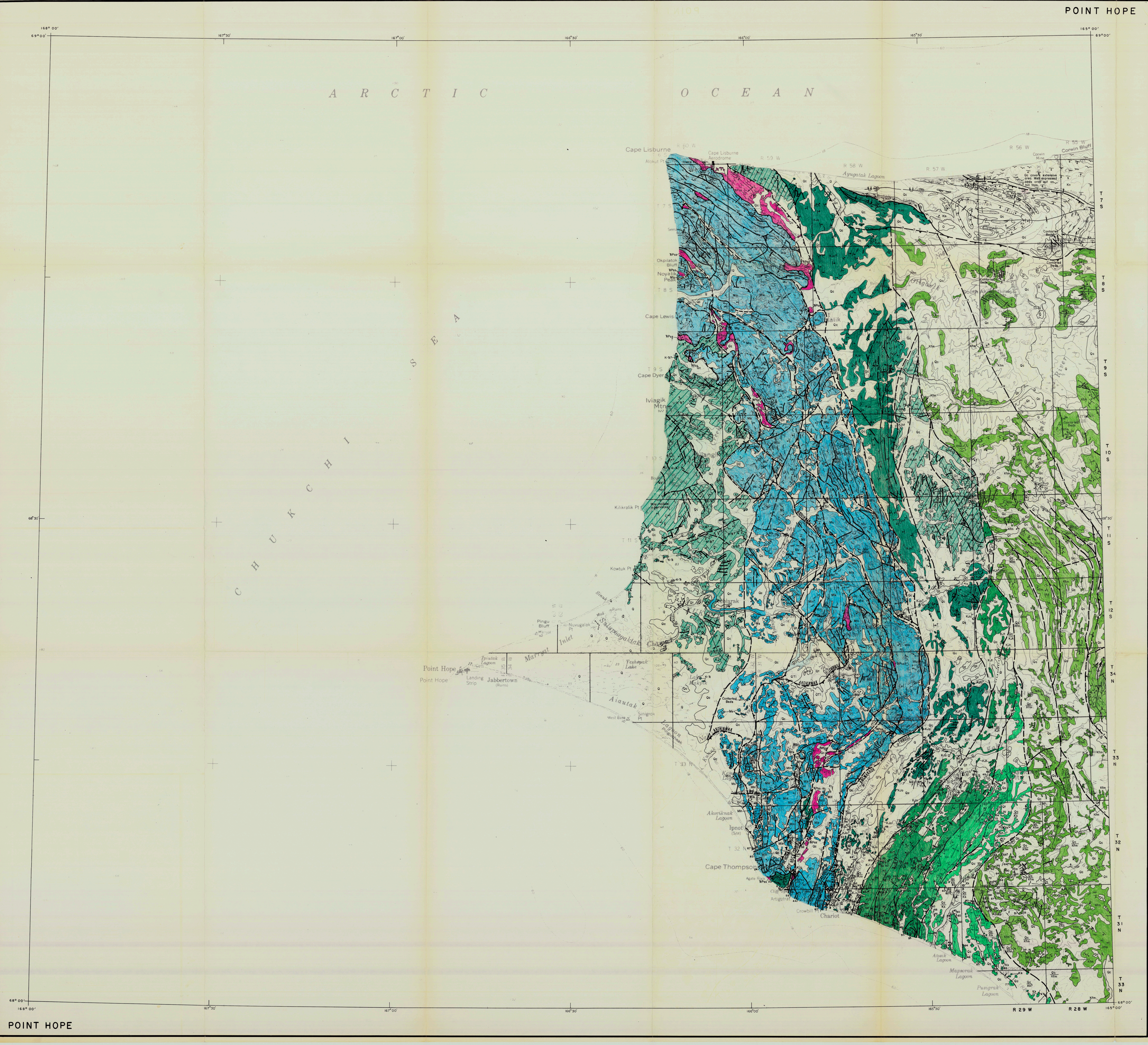


MAP UNITS

QUATERNARY
- Q Undivided Quaternary
- Qt Terrace gravels
- Qc Colluvium
- Qti Ilyrak gravels
- QTs Saligvik gravels
- QTu Essentially Quaternary. May include Tertiary/Cretaceous rocks

UPPER CRETACEOUS
- Kpc Prince Creek Formation; Seabee Formation — Colville Group
- Corwin Formation; Kukpowruk Formation — Kn Nanushuk Group —c— Base Corwin

LOWER CRETACEOUS
- Kt Torok Formation
- Kfm Fortress Mountain Fm.
- Kk Kisimilok Formation
- K-R Cretaceous through Triassic undivided

JURASSIC
- KJt Telavirak Formation
- KJo Ogotoruk Formation
- KJot Ogotoruk and Telavirak undivided

TRIASSIC
- Shublik Formation

PERMIAN
PENNSYLVANIAN(?)
- Siksikpuk Formation
- RPss Shublik and Siksikpuk undivided
- Nuka Formation
- PC Permian and Carboniferous undivided

MISSISSIPPIAN
- Mlt Tupik Formation
- Mlk Kogruk Formation
- Utukok Formation
- Mln Nasorak Formation
- Mlu Lisburne Group undivided
- Ms L. Mississippian sedimentary rocks undivided

DEVONIAN
- D Devonian undivided

IGNEOUS ROCKS

CRETACEOUS-JURASSIC
- Cretaceous-Jurassic intrusive

GEOLOGIC SYMBOLS

Symbols dashed where position indefinite, dotted where concealed and questioned where inferred

STRIKE AND DIP · Bedding in sedimentary rock, principal planar features in igneous or metamorphic rock
- Horizontal
- Dip less than 3°
- Dip 3° to 10°
- Dip 10° to 25°
- Dip 25° to 45°
- Dip more than 45°
- Vertical
- Overturned
- Degree of dip indeterminate
- Probable dip slope. Inferred from possible bedding
- Based on geomorphic criteria such as divide asymmetry
- General dip of beds having subordinate folds
- Strike line
- Dip component
- Structural grain
- Reported, published or other source
- Foliation

FAULTS AND FRACTURES
- Major fault trace — Fault plane dip high
- Major thrust — Fault plane dip low to moderate. Probably folded
- Minor thrust — Fault plane dip low to moderate. Possibly folded
- Minor fault trace — Fault plane dip moderate to high
- Dip of fault plane, dip and strike separation are indicated where possible. Triangles on upper plate of thrust.
- Lineament, fracture zone
- Joint or fracture
- Definite or probable fracture trace
- Minor fracture trace

FOLDS
- Crest line of anticline or antiform 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 downdip side
- Probable / Possible — Positive structural anomaly based on geomorphic evidence

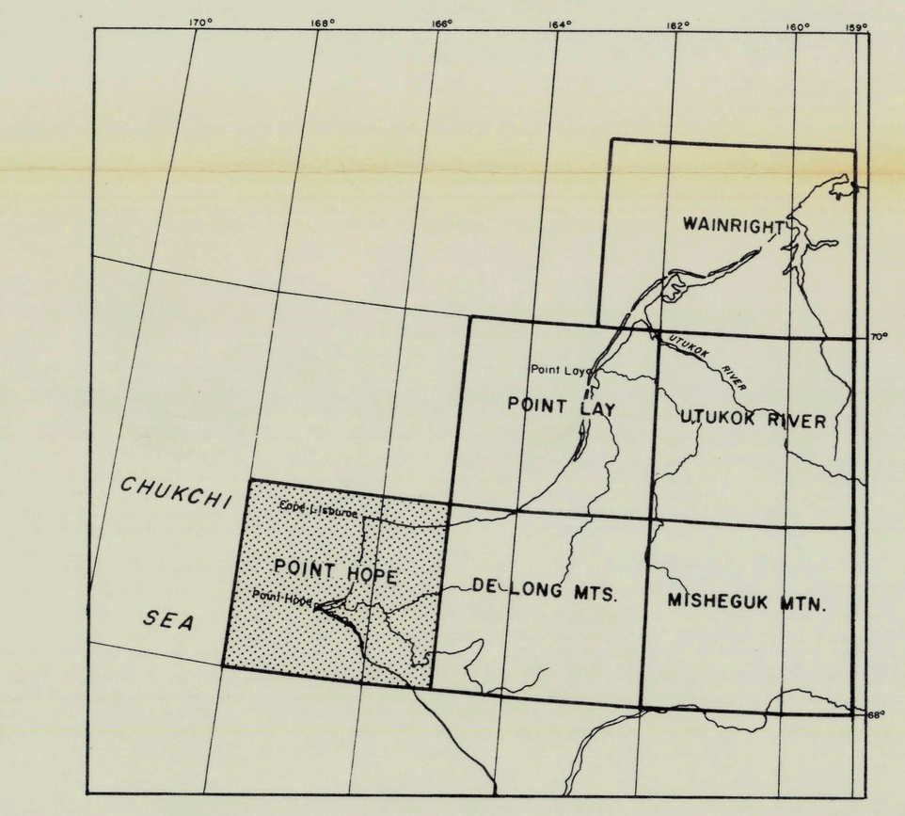
ANOMALY CRITERIA ABBREVIATIONS

AD	Annular Drainage	FL	Flaring Linears	PDC	Possible Dip Control
AMR	Arcuate Mosaic Ridges	HD	High Density Fracture Zone	PS	Ponded Stream
BD	Barbed Drainage	ID	Increased Dissection	RD	Radial Drainage
CD	Centripetal Drainage	IS	Incised Stream	RF	Radial Fractures
CPC	Channel Pattern Change	IT	Inverted Topography	SA	Subannular Drainage
DC	Dip Control	LP	Lake Pattern	SR	Subradial Drainage
DD	Deflected Drainage	MD	Moraine Deflection	TA	Tonal Anomaly
DS	Defeated Stream	MM	Meander Migration	TD	Topographic Dissection
DT	Dissected Terrace	MO	Moderate Obsequent Drainage	TF	Topographic Flattening
FC	Floodplain Constriction	OA	Outcrop Area	TH	Topographic High
FF	Flank Fractures	OD	Obsequent Drainage	TS	Topographic Steepening

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

SPECIAL SYMBOLS
- Connects same map unit
- Outcrop in mantled area
- Drainage divide
- Escarpment
- Mine or prospect
- Mountain peak
- Glacier or snow field
- Glacial striation — Direction of ice movement indicated
- Abandoned stream channels
- Muskeg
- Oil
- Gas
- Dry and abandoned
- Oil show
- Primary road
- Secondary road
- Trail
- Bridge
- Airport
- Landing strip
- Town
- Settlement
- Clearing
- Braided stream
- Gas show
- Oil and gas show
- Structural, stratigraphic test
- Drilling

MAP INDEX



GEOLOGIC AND MORPHOSTRUCTURAL ANALYSIS MAP
CHUKCHI SEA REGION ALASKA

BY
GEOPHOTO SERVICES, INC.
A SUBSIDIARY OF
TEXAS INSTRUMENTS INCORPORATED
DENVER, COLORADO
1970

SCALE 1/126720

10,000 0 10,000 20,000 30,000 40,000 FEET
2 0 2 4 6 8 MILES

This map prepared by photogeologic methods