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EXPLANATION

Unconsolidated deposits

Qab	Qt	Qco	Qss	Qfp	Qaf	Qs	Qsl	Qtf	Qu
Ancient beach deposits	Terrace deposits (stream)	Colluvium (locally includes some talus and stream gravels)--	Silt and sand filled areas cont.in ice-wedge polygons	Floodplain deposits	Alluvial fan deposits	Swamp deposits	Beach deposits	Talus	Unconsolidated deposits undifferentiated (shown only on cross sections)

Pleistocene to Recent — QUATERNARY

Sedimentary rocks

Jt — JURASSIC (?)

Tiglukpuk formation
Grayish-black mudstone and siltstone, slaty to shaly, with gray to brown very fine- to medium-grained, graywacke sandstone commonly as thin cyclic interbeds. Probably several thousand feet thick. May include rocks of Cretaceous age along eastern edge of map

Trsa, Trsb, Trsc — TRIASSIC

Shublik formation
Chiefly thick-bedded green argillite about 40 feet thick, Trsa; chiefly thin-bedded brown fossiliferous limestone 15-30 feet thick, Trsb; and thin-bedded gray to brown chert and thin-bedded black shale, about 160 feet thick, Trsc

Ps — PERMIAN

Siksikpuk formation
Chiefly thick-bedded to massive green argillite, locally slaty; may contain some green chert locally

Mlu — MISSISSIPPIAN

"Upper Lisburne"
Thick- to thin-bedded gray to light-gray limestone, locally cherty, with thin interbeds of brown to gray chert

Mlm — MISSISSIPPIAN

"Middle Lisburne"
Thin interbedded gray limestone and black sandy shale

Middle and Upper Mississippian — Lisburne group

Indefinite contact
Dotted where concealed; includes inferred contacts and indefinite boundaries of surficial deposits

High angle fault, showing dip
Dashed where approximately located, dotted where concealed; U, upthrown side; D, downthrown side

Doubtful or probable fault
Dotted where concealed

Thrust or low angle reverse fault
T, upper plate; dashed where approximately located, dotted where concealed

Anticline
Showing trace of axial plane and bearing of plunging axis. Dashed where approximately located, dotted where concealed

Overturned anticline
Showing crest line, direction of dip of limbs, and bearing of plunging axis. Dashed where approximately located, dotted where concealed

Overturned syncline
Showing crest line, direction of dip of limbs, and bearing of plunging axis. Dashed where approximately located, dotted where concealed

Minor anticline
Showing bearing of plunging axis

Minor syncline
Showing bearing and plunge of axis

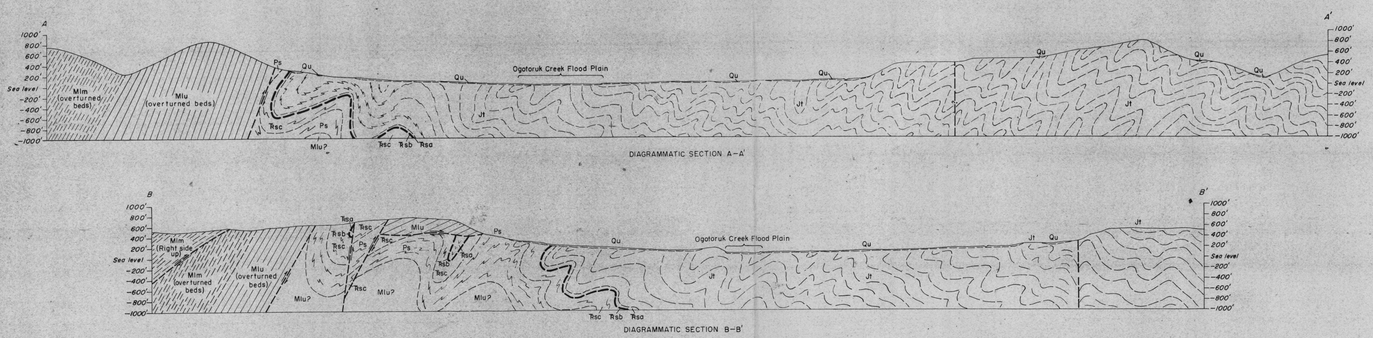
60 — Strike and dip of beds

×40 — Strike and dip of overturned beds

×90 — Strike of vertical beds

85 — Strike and dip of slaty cleavage

◎ U.S.C. & G.S. survey marker



DIAGRAMMATIC SECTION A–A'

DIAGRAMMATIC SECTION B–B'

APPROXIMATE MEAN DECLINATION, 1952

Base map from U.S.Coast and Geodetic Survey topographic sheets, Ogotoruk Creek, Upper Ogotoruk Creek, Cape Thompson, and Kisimolok Mountain, 1957

GEOLOGIC MAP AND SECTIONS OF OGOTORUK CREEK AREA, NORTHWESTERN ALASKA

Geology by Reuben Kachadoorian, R.H. Campbell, C.L. Sainsbury and D.W. Scholl, 1958

Scale 1:12 000

0 — 1 MILE

Contour interval 50 feet
Datum is mean sea level