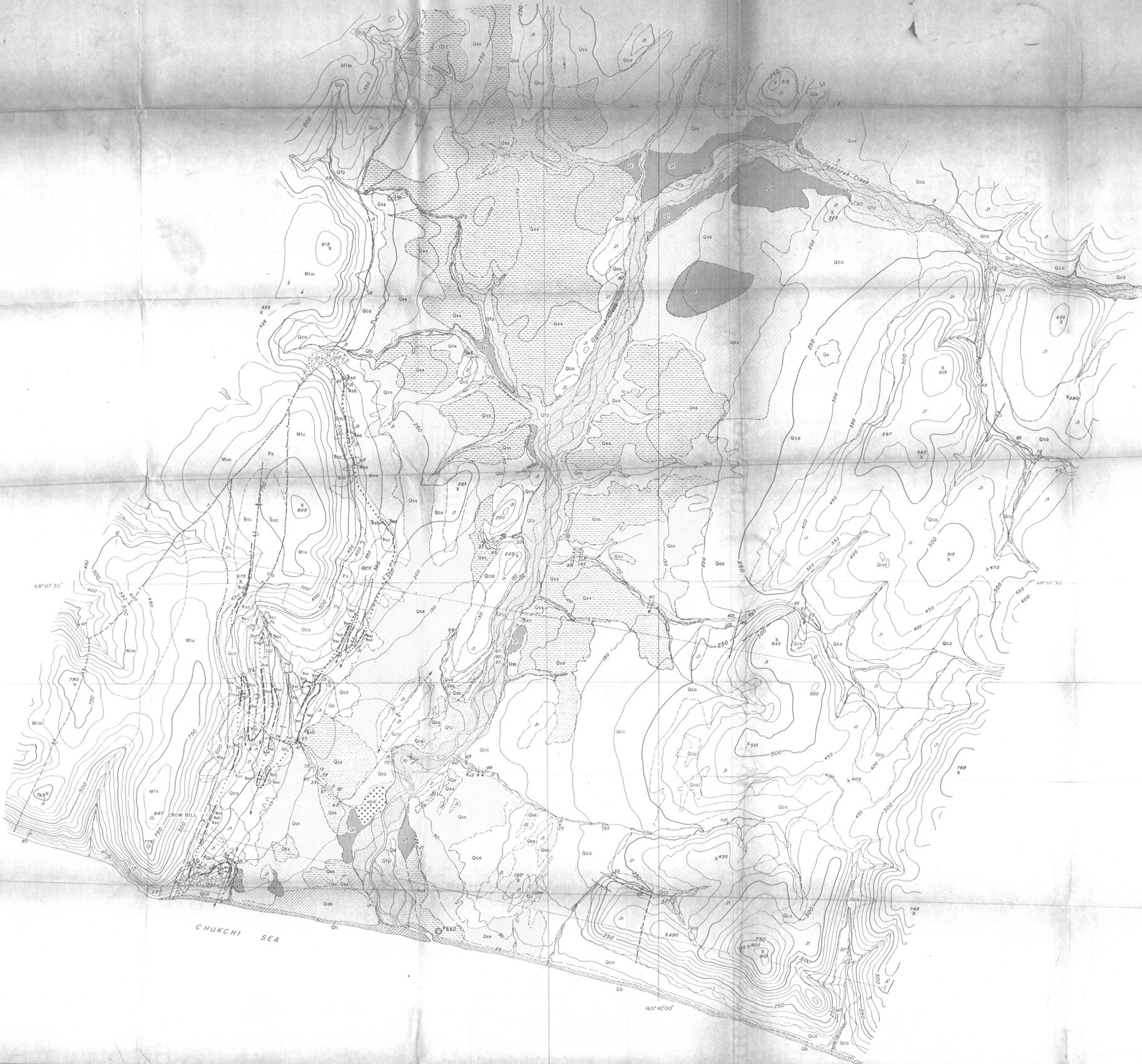


GEOLOGICAL SURVEY
OF ALASKA
OCT 16 1959
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EXPLANATION

Unconsolidated deposits

- Qcb Ancient beach deposits
- Qct Terrace deposits (stream)
- Qcc Colluvium (locally contains loam, some talus polygons and stream gravels)
- Qss Alluvial fan deposits
- Qsp Floodplain deposits
- Qsa Slit and sand
- Qsw Swamp deposits
- Qsb Beach deposits
- Qst Talus
- Qu Unconsolidated deposits (unlabeled below only on cross sections)

Sedimentary rocks

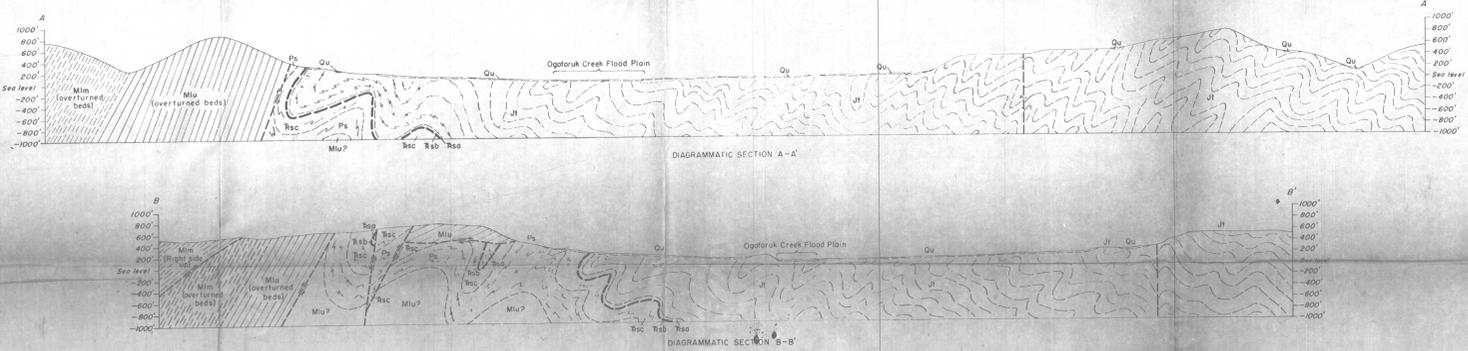
- Jt Tigilokuk formation
Grayish-black sandstone and siltstone, slaty to shaly, with gray to brown very fine- to medium-grained, graywacke sandstone commonly as thin cyclic interbeds. Probably several thousand feet thick. May include rocks of Cretaceous age along eastern edge of map.
- Rso Rsc Shublik formation
Chiefly thick-bedded green argillite about 40 feet thick. Rso; chiefly thin-bedded brown fossiliferous limestone 15-25 feet thick, Rsc; and thin-bedded gray to brown chert and thin-bedded black shale, about 150 feet thick, Rsc.
- Ps Tigilokuk formation
Chiefly thick-bedded to massive green argillite, locally slaty; may contain some green chert locally.
- Mu "Upper Lisburne"
Thin- to thin-bedded gray to light-gray limestone, locally cherty, with thin interbeds of brown to gray chert.
- Mim "Middle Lisburne"
Thin interbedded gray limestone and black sandy shale.

Structural features

- Inferred contact
- High angle fault, showing dip
- Doubtful or probable fault
- Thrust or low angle reverse fault
- Anticline
- Overturned anticline
- Overturned syncline
- Minor anticline
- Minor syncline
- Strike and dip of beds
- Strike and dip of overturned beds
- Strike of vertical beds
- Strike and dip of slaty cleavage
- U.S.C. & G.S. survey marker

Geological Time Scale

- QUATERNARY
- JURASSIC
- TRASSIC
- PERMIAN
- MISSISSIPPIAN



GEOLOGIC MAP AND SECTIONS OF OGOTORUK CREEK AREA, NORTHWESTERN ALASKA

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

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