

DESCRIPTION OF MAP UNITS

Q1 ACTIVE ALLUVIAL DEPOSITS (Quaternary)-Silt sand and gravel deposited by modern streams... Q2 ALLUVIAL-FAN DEPOSITS (Quaternary)-Poorly to moderately sorted fluvial silt, sand and gravel...

Q3 SURFICIAL DEPOSITS UNDIFFERENTIATED (Quaternary)-Includes colluvium and older vegetated alluvial deposits...

Q4 MICHANIAN DEPOSITS (Quaternary)-Poorly sorted unstratified fill ranging from clayey silt to sandy bouldery gravel...

Q5 GLACIAL DEPOSITS UNDIFFERENTIATED (Quaternary)-Stratified and unstratified drift various glacial intervals...

Q6 TERRACE GRAVEL (Quaternary and Tertiary)-Covered and sandy gravel, forms terraces ranging from 3.4 m above modern level to high level terrace...

F1 FOREDEEP DEPOSITS OF THE COLVILLE BASIN

F2 TOROK SHALE (Lower Cretaceous, Albian)-Soft dark gray to black clay shale and thinly interbedded silt shale...

F3 FORTRESS MOUNTAIN FORMATION UNDIVIDED (Lower Cretaceous, Albian)-Dominantly greenish gray graywacke interbedded with dark gray mudstone and shale...

U1 UNDIFFERENTIATED (Lower Cretaceous, Neocomian)-Dark gray mudstone, graywacke, and local cobble conglomerate...

U2 LIMESTONE COQUINA (Lower Cretaceous, Neocomian)-Gray to reddish gray, thin-bedded limestone...

J1 ETIVLUK GROUP (Middle Jurassic to Permian)-Divided into:

J2a OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2b OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2c OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2d OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2e OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2f OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2g OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2h OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2i OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

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J2k OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2l OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2m OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

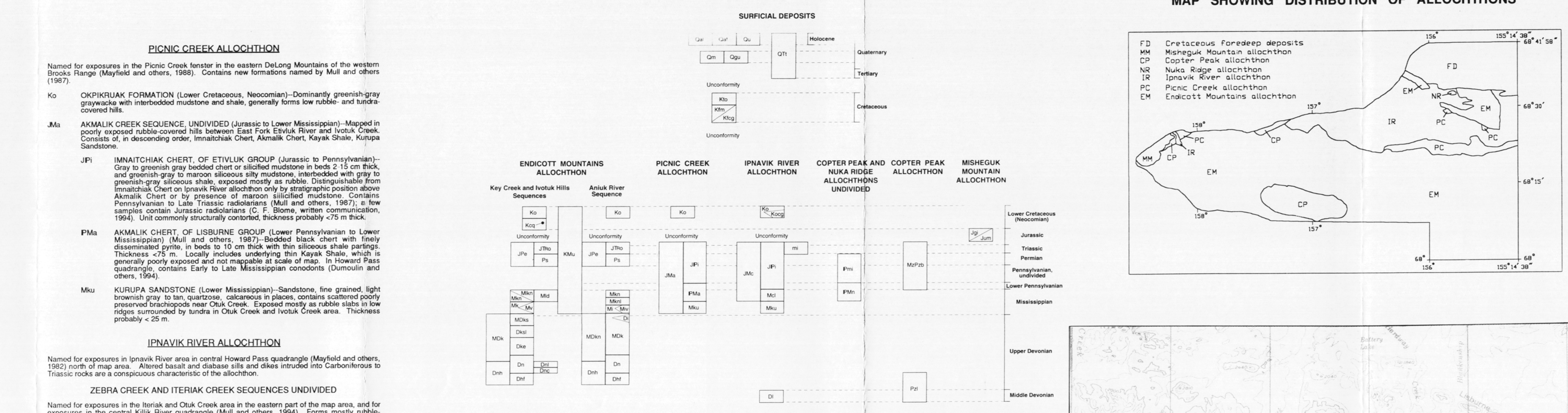
J2n OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2o OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

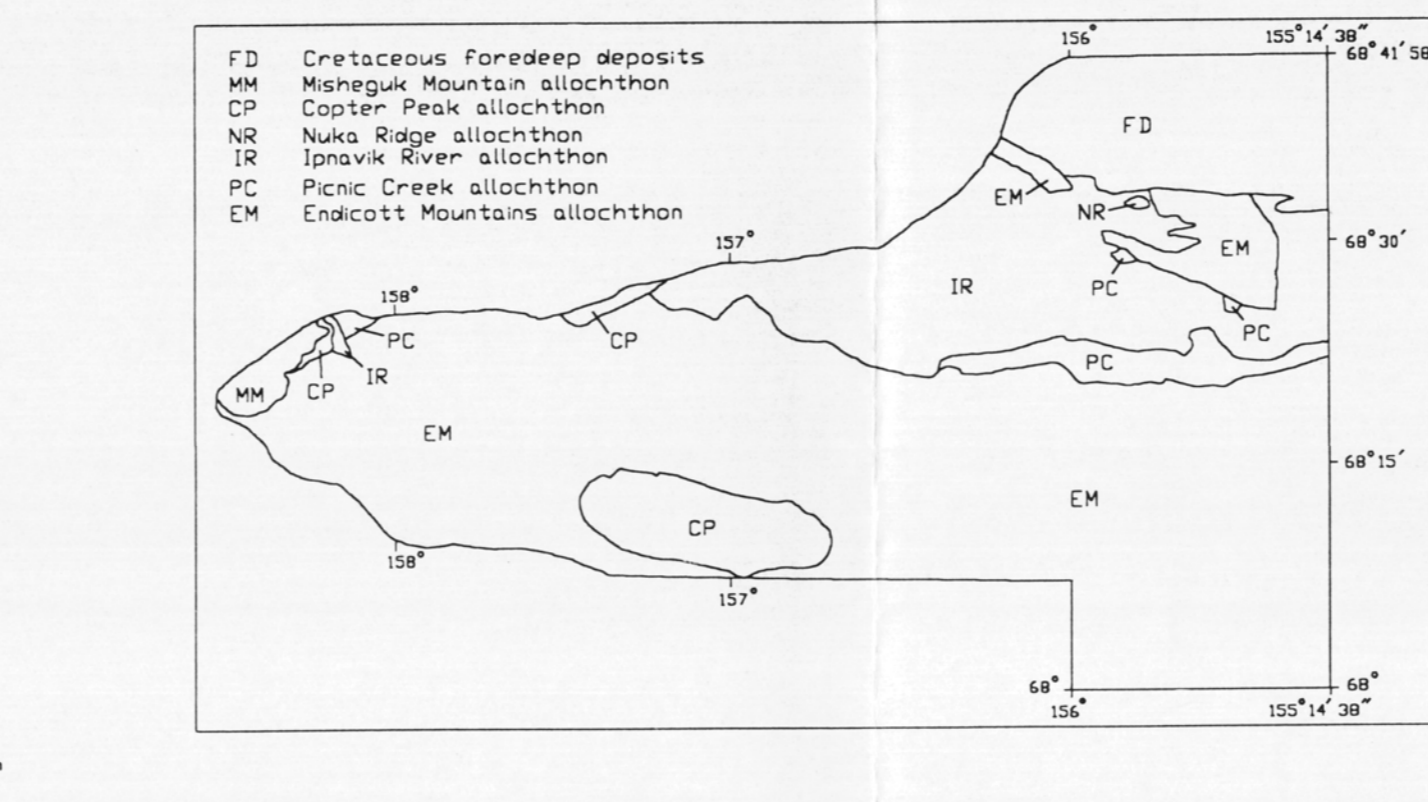
J2p OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

J2q OTUK FORMATION (Middle Jurassic to Triassic)-Interbedded fossiliferous black chert, shale, and thin bedded limestone...

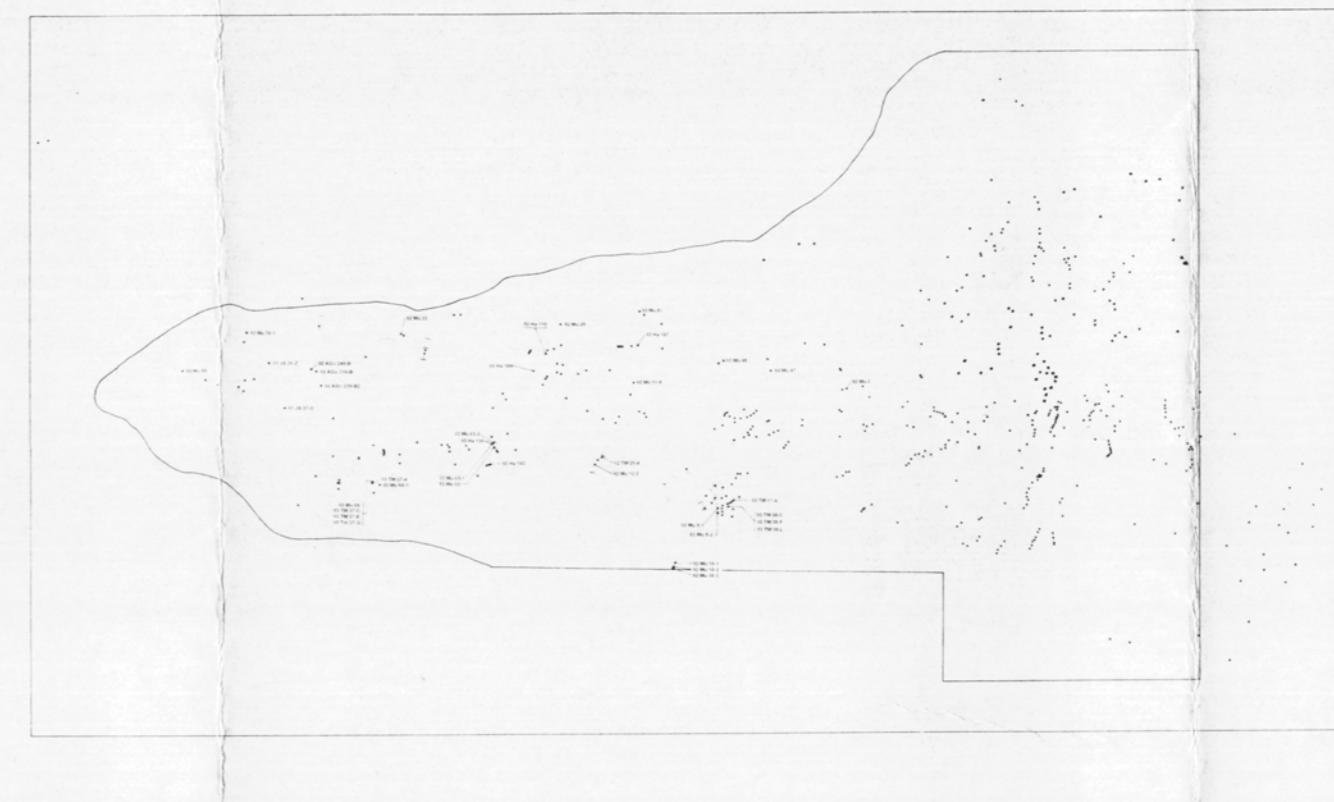
CORRELATION OF MAP UNITS



MAP SHOWING DISTRIBUTION OF ALLOCTHONS



STATION AND TRAVERSE MAP



MAP SYMBOLS

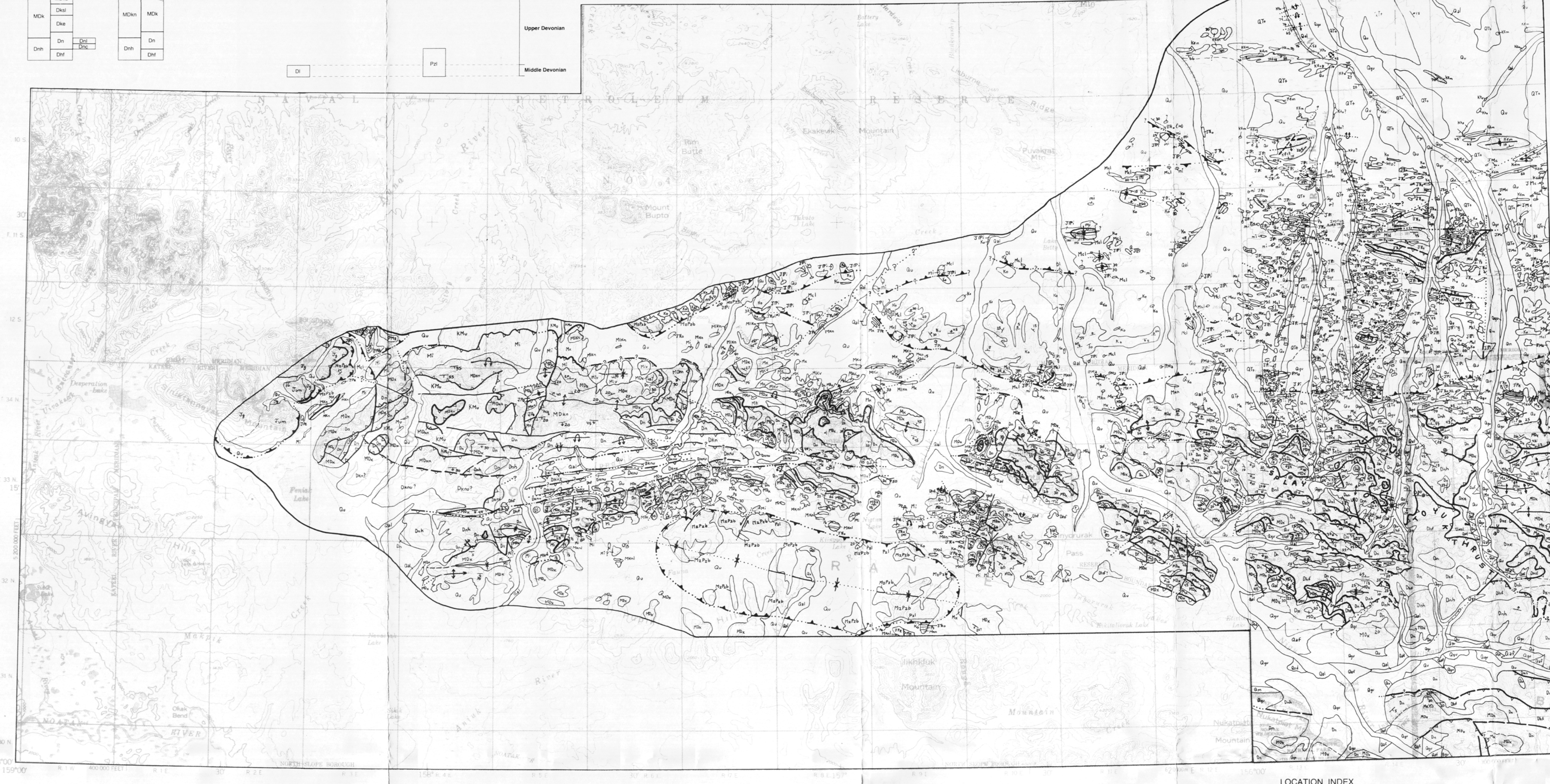
- Contact
High angle fault
Fault-arrows show relative horizontal movement
Thrust fault-sawtooth on upper plate dashed where inferred, dotted where concealed
Major thrust fault bounding allocthons-sawtooth on upper plate, dashed where inferred, dotted where concealed
Fold axis showing direction of plunge, dotted where approximate or concealed
Anticline
Syncline
Strike and dip of beds
Inclined bedding
Horizontal bedding

REFERENCES CITED

Chapman, R.M., Determan, R.L., and Mangus, M.D. 1964. Geologic map and structure sections of the Kilik-Eivuk Rivers region, Alaska...

SOURCES OF MAP DATA

Unpublished manuscript field maps
Mull, C. G., Moore, T. E., Reichenstahl, R.R., and G.H. Pestal, unpublished geologic mapping in the Kilik River A5 and part of B5 quadrangles...



Base from US Geological Survey, Howard Pass (1956) and Kilik River (1956) quadrangles.

Universal traverse Mercator projection, 1927 North American Datum

GABBRIO (Jurassic)-Medium to coarse-grained cumulate olivine gabbro and noncumulate plagioclase gabbro...

Mafic intrusive and extrusive igneous rocks, undivided - Basalt and andesite, dark green...

KANAYUT CONGLOMERATE (Lower Mississippian?) - Unnamed mafic igneous rocks...

IGNEOUS ROCKS (Devolonian?) - Basalt or andesite, dark-green gray, fine grained, dense...

ANIKU RIVER SEQUENCE, UPPER IPNAVIK PANEL

SHANNIN LAKE MEMBER (Upper Devonian)-Quartzitic sandstone and minor pebble conglomerate...

BASEMENT ROCKS (Paleozoic)-Dark brown to dark greenish-gray weathering basalt, andesite...

UNNAMED MAFC IGNEOUS ROCKS (Pennsylvanian?) - Basalt, dark green, fine grained, massive...

DEVONIAN LIMESTONE UNNAMED (Middle or Late Devonian)-Limestone, light gray, coarse grained...

GENERALIZED GEOLOGIC MAP OF THE WESTERN ENDICOTT MOUNTAINS, CENTRAL BROOKS RANGE, ALASKA

By C.G. Mull and M.B. Werdon

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This report has not been reviewed for technical content (except as noted in text) or for conformity with the editorial standards of GDS.