



EXPLANATION

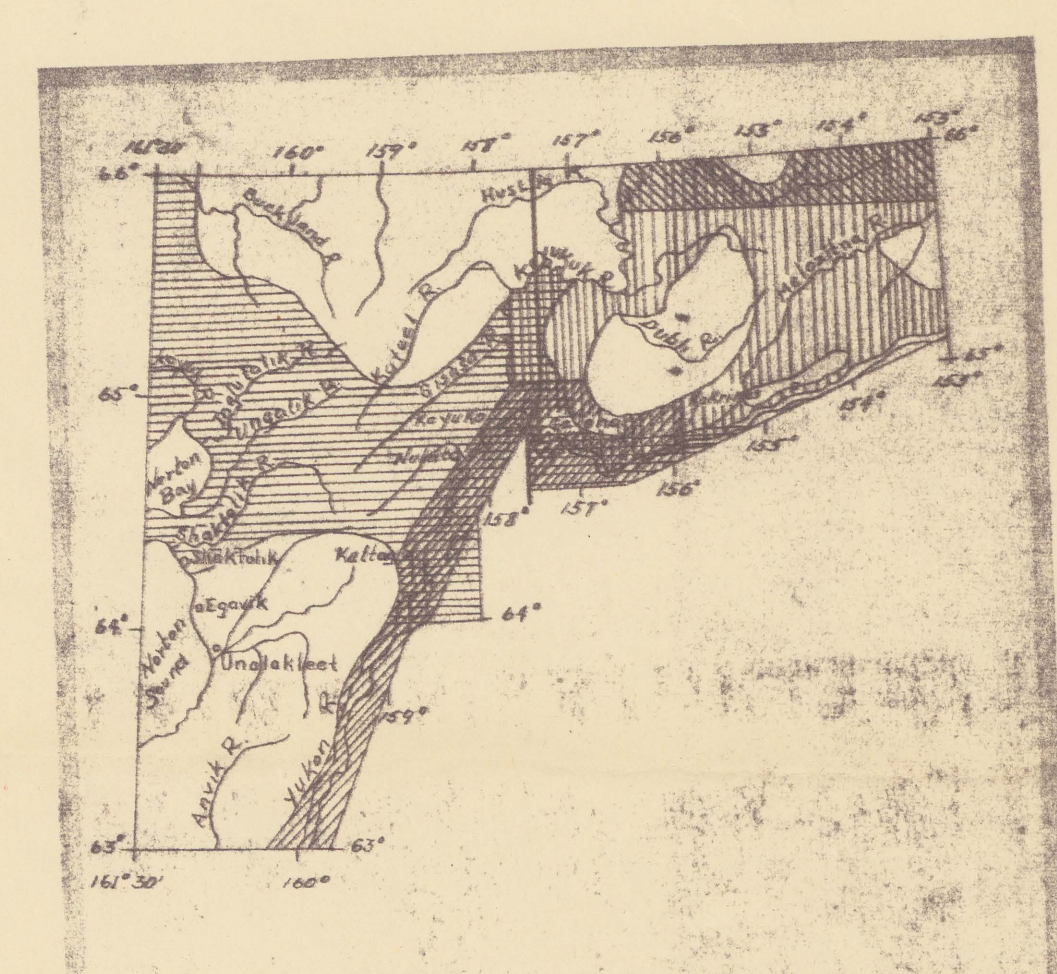
- | | | |
|--------|---|----------------|
| Qal | Alluvium
Silt, sand, and gravel of modern flood plains | QUATERNARY |
| Tqb | Volcanic basalt
Includes some rhyolite and andesite | QUATERNARY |
| Ti | Intrusive rocks
Mostly silicic | QUATERNARY |
| Ksg | Shublik group
Graywacke, shale, and grit | CRETACEOUS |
| Ku | Ungalik conglomerate
Includes some graywacke | CRETACEOUS |
| Kk | Koyukuk group
Limestone, shale, sandstone, arkose, lava flows, and tuff | CRETACEOUS |
| gr/grs | Granitic intrusive rocks
Includes granite, monzonite, and some diorite; locally altered to augen gneiss and mica schist, grs | PRE-CRETACEOUS |
| mc | Metamorphic complex
Schist, limestone, quartzite and gneiss. Probably the equivalent in part to the Birch Creek schist | PRE-CRETACEOUS |

- Anticline
Showing direction of plunge
Long dash where approximately located;
short dash where inferred; dotted where concealed.
- Overturned anticline
- Syncline
Showing direction of plunge
Long dash where approximately located;
short dash where inferred; dotted where concealed.
- Overturned syncline
- Strike and dip of beds
Based on field measurement
Approximate strike and dip of beds
Based on photogeologic correlation
Dips of 1°-30° S, dips of 30°-60° S, dips of 60°-90° S
- Strike and dip of overturned beds
Based on field measurement
- Strike of vertical beds
- Horizontal beds
- Trace of beds

Base map from U.S. Geological Survey
topographic maps 1:250 000.

This map is preliminary and has not
been edited or revised for conformity
with U.S. Geological Survey standards
and nomenclature.

- Contact
Long dash where approximately located;
short dash where geological or inferred;
dotted where concealed.
- Fault
Long dash where approximately located;
short dash where inferred; dotted where concealed;
T, upper plate of thrust fault.



REFERENCE LITERATURE

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PHOTOGEOLOGIC MAP OF
THE LOWER KOYUKUK CRETACEOUS BASIN,
WEST-CENTRAL ALASKA

BY JOHN T. CASS

SCALE 1:250 000

Alaska (Koyukuk Basin, Lower). Geol. 1:250,000. n.d.
cap. 1