# OTUK CREEK, ALASKA

## STRATIGRAPHIC SECTION

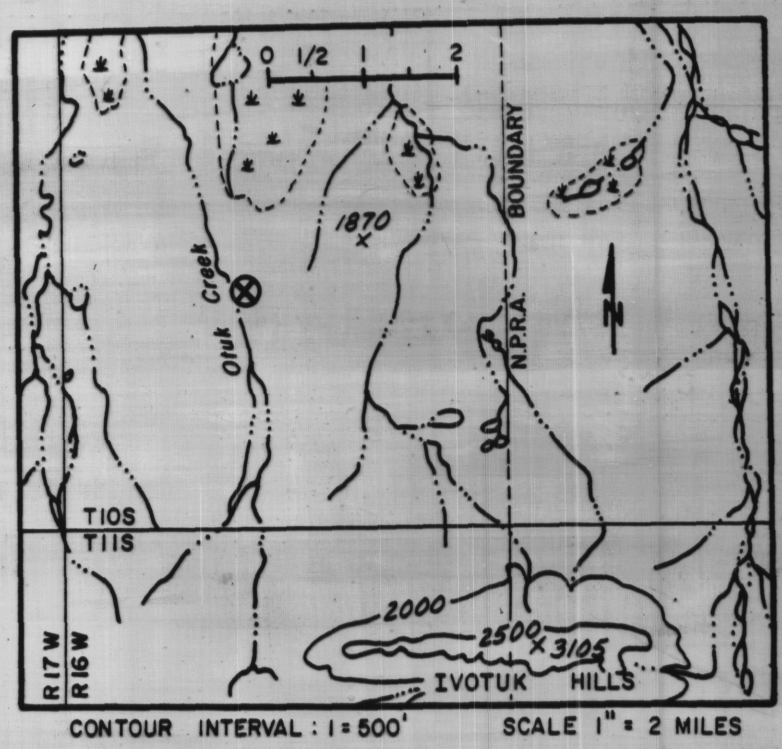
PRINCIPAL REFERENCE SECTION OF THE BLANKENSHIP MEMBER OF THE OTUK FORMATION

LAT. 68° 32' 12" N
LONG. 155° 43' 18" W

Measured with Jacob Staff, June 1983
by Dirk A. Bodnar and
Jerome Siok

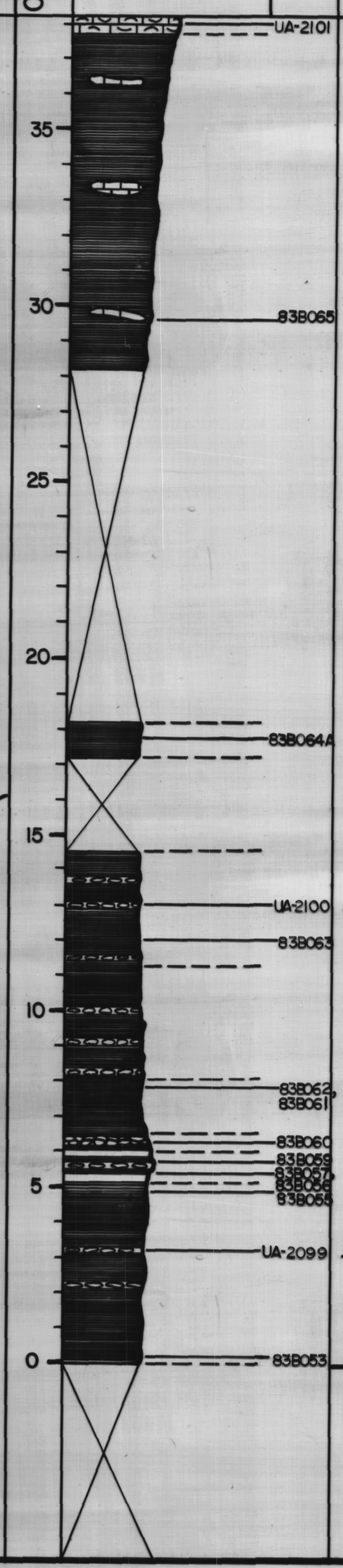
## LEGEND

- Radiolaria
- Foraminifera
- Brachiopods
- Pelecypods
- Orthoconic Nautiloids
- Limestone
- Silicified Limestone (very cherty)
- Shale
- Limestone Nodules
- Ostracodes
- Conodonts
- Ammonites
- Belemnites
- Trace Fossils
- Siltstone, Dolomitic Siltstone
- Bedded Chert
- Fossiliferous
- Cherty Nodules




CONTOUR INTERVAL : 1 = 500'  SCALE 1" = 2 MILES

VERTICAL SCALE : 1 inch = 4 meters




| SERIES | STAGE | FORMATION | MEMBER |
|---|---|---|---|
| LOWER CRETACEOUS | VALANGINIAN | COQUINOID LIMESTONE AND SHALE UNIT | |
| ? LOWER AND MIDDLE JURASSIC | ? SINEMURIAN-BAJOCIAN ? | ? OTUK FORMATION | ? BLANKENSHIP MEMBER |

### LITHOLOGY DESCRIPTION

Upper 20 meters estimated thickness, top of estimated section at crumpled beds of coquinoid limestone in gully.

Folded beds of red coquinoid limestone. Buchia sublaevus.

Nodular dense fine-grained gray limestone beds in green-gray friable shale.

Cover, slump in gulley, crumpled coquinoid limestone and friable green-gray shale.

Top of measured section at 18.2 meters - above 18.2 meters estimated thickness.
Green micaceous shale.

Cover, shale talus.

Black shale and cherty black shale. Very black and organic rich, top becomes calcareous and bottom has two white weathering interbeds of siliceous shale. Aluminum tag attached to outcrop at 11.5 meters.

Black fissile shale with blocky siliceous black interbeds 4 to 10 cm thick.

Black fissile shale. Non-calcareous with a few blocky weathering beds that are more silty.
Brown non-calcareous platy weathering shale with small black chert nodules. Weathers as a colored marker. Belemite in float of this lithology at base of outcrop.
Interbedded black calcareous shale, buff weathering fine laminated limestone and black chert.

Black non-calcareous fissile slightly silty shale. Weathers gray, yellow, and has some white weathering partings. A few more blocky weathering beds near the top.

Base of section, top of hill, moss cover, section overturned.

Strike N 88° E
Dip 47° S