MIDDLE FORK OKPIKRUAK RIVER, ALASKA

STRATIGRAPHIC SECTION
KILLIK RIVER QUADRANGLE

Measured with Jacob Staff, June 1983
by Dirk A. Bodnar and
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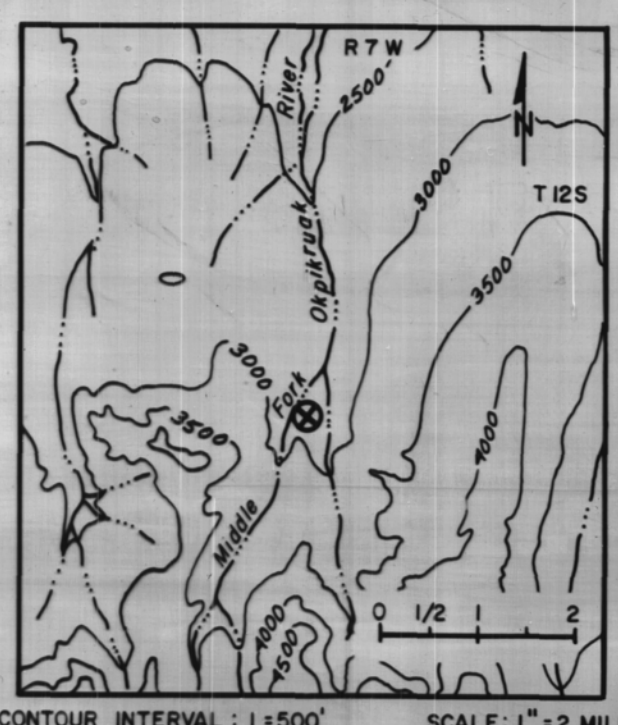
LAT. 68° 24' 15" N
LONG. 153° 32' 00" W

LEGEND

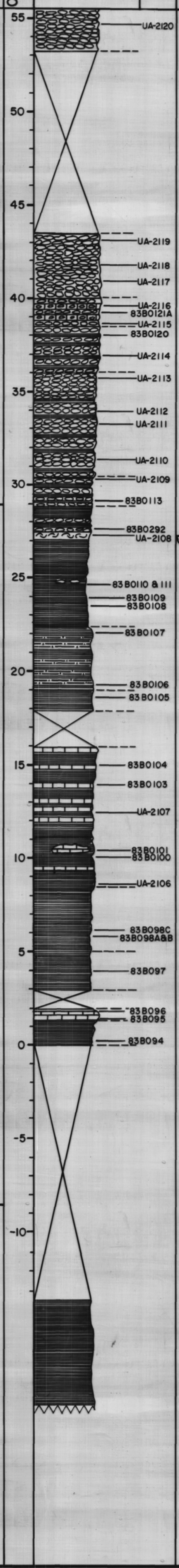
- Radiolaria
- Foraminifera
- Brachiopods
- Pelecypods
- Orthoconic Nautiloids
- Limestone
- Silicified Limestone (very cherty)
- Shale
- Limestone Nodules
- Ostracodes
- Conodonts
- Ammonites
- Belemnites
- Trace Fossils
- Siltstone, Dolomitic Siltstone
- Bedded Chert
- Fossiliferous
- Cherty Nodules

SECTION MEASURED ON EAST BANK OF THE MIDDLE FORK OF THE OKPIKRUAK RIVER. LOW BLUFF ABOUT 100 METERS LONG AND 10 METERS HIGH.



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

VERTICAL SCALE : 1 inch = 4 meters



SERIES	STAGE	FORMATION	MEMBER	Cumulative Thickness (Meters)	GRAPHIC COLUMN	SAMPLE NO.	FOSSILS	LITHOLOGY DESCRIPTION
								Top of Section covered by moss.
UPPER TRIASSIC	NORIAN		CHERT MEMBER	55		UA-2120		Black cherts, evenly bedded, weather with banded color with white outer and black inner parts.
				50				Cover, moss and some chert rubble.
	CARNIAN			45		UA-2119		
						UA-2118		Black cherts, wavy bedded, weather dark-gray, orange, and greenish-gray.
						UA-2117		
MIDDLE TRIASSIC	LADINIAN			40		UA-2116, 83B0121A, UA-2115, 83B0120		Black and white banded weathering chert and silicified limestone. Thin black calcareous shale interbedded. Beds are thinly laminated, wavy, and become thicker up interval. First coquina of pelecypods seen working up section from base. (Daonella) Cherts and silicified limestones black when fresh.
						UA-2114		Black thinly bedded cherts with thin black shale partings.
						UA-2113		
				35		UA-2112, UA-2111		Gray and black cherts interbedded with greenish-gray silty shale. Cherts weather greenish-gray and are thinly laminated and wavy bedded (beds 1-8cm thick). Thickest cherts are darker in color. Gradational into unit above.
	ANISIAN					UA-2110		
				30		UA-2109		Black chert interbedded with dark-gray clay shale and minor green-gray shale. Cherts are wavy bedded.
						83B0113		
						83B0292, UA-2108		Very black organic non-calcareous shale, weathers blocky to fissile and has some sooty zones. Minor black chert and green-gray shale interbeds. One horizon of cherty pyritic nodules (phosphate?). Blocky organic shale is fossiliferous (ammonites, pelecypods, orthoconic nautiloid). Aluminum tag attached to bed at 27 meters.
				25		83B0110 & 111, 83B0109, 83B0108		
						83B0107		
LOWER TRIASSIC	SPATHIAN ?	OTUK FORMATION	SHALE MEMBER	20		83B0106, 83B0105		Black shale with rhythmically interbedded green-gray dolomitic silty shales. Green-gray beds weather orange and green-gray. Distinctive marker zone in center of interval.
								Black shale with minor silty green shale interbeds. Black shale weathers white, yellow orange and is very friable.
								Cover, shale rubble.
				15		83B0104, 83B0103		
						UA-2107		Black non-calcareous shale with interbedded green silty friable shale (40%) and black fetid medium-grained crystalline limestone (5%). Limestone beds have laminated tops and bases and massive centers.
	SMITHIAN			10		83B0101, 83B0100		
						UA-2106		Very black organic non-calcareous shale. A few yellow weathering partings.
				5		83B098C, 83B098A&B		
						83B097		Black non-calcareous shale thinly interbedded with green friable shale. Some thin yellow weathering partings.
								Cover, greenish-gray shale rubble.
						83B096, 83B095		Dark gray medium-grained crystalline limestone. Thinly laminated top and massive base. Lowest beds very black, platy and contain chert nodules to 1cm diameter.
				0		83B094		Black non-calcareous friable shale, weathers black and orange and has thin yellow weathering partings.
	DIENERIAN ?							
UPPER PERMIAN ?	GUADALUPIAN ?	SIKSIKPUK FORMATION		-10				Base of section covered by talus. 13.6 meters of cover (true thickness) to top of exposure Siksikpuk Formation (Siok in prep., 1984.).
?	?	?	?					

Strike E-W
Dip 48°N