



WELCOME CREEK, ALASKA


STRATIGRAPHIC SECTION  
CHANDLER LAKE B-2 QUADRANGLE  
LAT. 68° 21' 42" N  
LONG. 150° 47' 30" W

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

LEGEND


-  Radiolaria


 Foraminifera


 Brachiopods


 Pelecypods


 Orthoconic Nautiloids


 Limestone


 Silicified Limestone (very cherty)


 Shale


 Limestone Nodules


 Ostracodes

 Conodonts


 Ammonites

 Belemnites

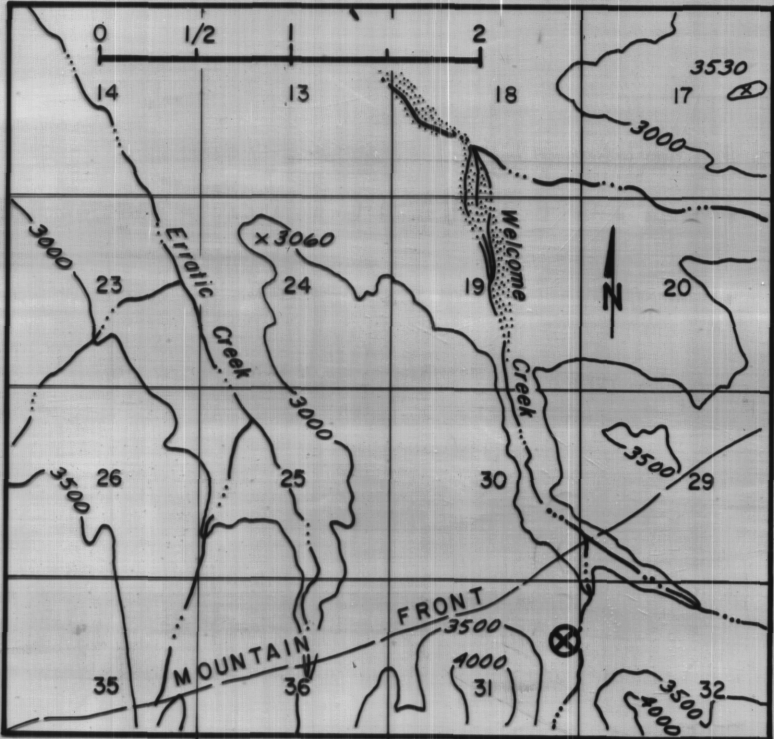
 Trace Fossils

 Siltstone, Dolomitic Siltstone

 Bedded Chert

 Fossiliferous

 Cherty Nodules



VERTICAL SCALE : 1 inch = 4 meters

SERIES	STAGE	FORMATION	MEMBER	Cumulative Thickness (Meters)	GRAPHIC COLUMN	SAMPLE NO.	FOSSILS	LITHOLOGY DESCRIPTION
LOWER AND MIDDLE JURASSIC	SINEMURIAN-BAJOCIAN	FORMATION	BLANKENSHIP MEMBER			UA-2168	☒	Top of Section covered, rubble and moss at the top of the bluff.
				30		83B0404		Sample UA-2168 collected in gulley 15m. to the north stratigraphically above top of measured section.
UPPER TRIASSIC	NORIAN	FORMATION	LIMESTONE MEMBER					Very black, crumbly, slightly silty, non-calcareous shale. Some is sooty.
				25		83B0403		Gray silty non-calcareous shale. Weathers rusty colored.
								Dark gray to black clay shale. Non-calcareous, has rusty weathering partings. Dug down to sample and shale is a blue-gray color when fresh.
				20		83B0402	☒ Y	Black sooty limestone with interbedded sooty papery calcareous shale. Thin bedded limestone with tiny burrows to bottoms of beds. Fossils in limestone beds ( <i>Otopirgia</i> ).
						UA-2167		Orange and tan weathering calcareous siltstone or very fine-grained sandstone. Possibly distal equivalent to the Karen Creek sandstone.
				15		83B0401		Dark gray fine-grained massive limestone beds. Weather tan-orange and are highly cover, rubble
						UA-2166	☒	Tan and gray weathering limestone (80%) with interbedded sooty calcareous black shale and minor black thinly laminated cherty limestone beds. Beds 1 to 15 cm thick. Limestone has wispy laminations and is wavy bedded and fossiliferous ( <i>Monotis</i> ).
				10		83B0399		Thinly interbedded black chert and black sooty shale. Beds wavy and 1 to 4 cm thick.
						UA-2165	☒	Tan and gray weathering limestone beds (5-20 cm thick) with interbedded platy sooty black calcareous shale (10%). Beds become thinner moving up interval. One massive limestone bed at base .5 meters thick.
				5		83B0397		Tan weathering limestone interbedded with black calcareous shale. Limestone gray fine-grained fresh. Thinner bedded at top and base of interval. Massively bedded in center.
						83B0396		Black sooty calcareous shale interbedded with black chert and thin (2-5 cm) black limestone. One tan and gray weathering limestone bed to 20 cm thick at center of interval.
				0		83B0395		Base of section, base of outcrop, talus covered.
						83B0394		

Strike N 46°W  
Dip 40°S

Strike N 46° W  
Dip 40° S