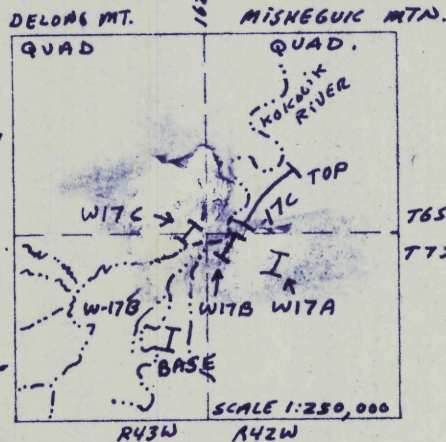


AMOÇO PRODUCTION COMPANY
SURFACE LOG

W-17A

CF 800101

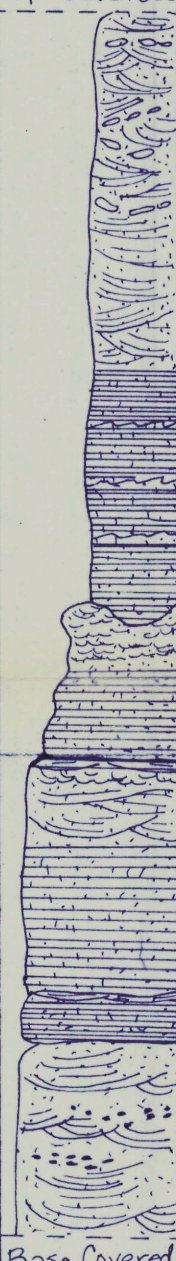
NAME W-17A: SOUTH FLANK OF TUPICHAK SYNCLINE ALONG
AREA OR KOKOLIK RIVER. WESTERN NORTH
QUAD MISHEGUK MTN. QUADRANGLE STATE SLOPE, ALASKA
LOCATION NE/4 SEC. $\checkmark$ 9 TWN. 75 RNG. ~~RSE~~ ^{42W}
MEASURED BY K.W. SHERWOOD, C.R. Williamson, R.L. Steward DATE 7/77
INTERVAL KUKPOWRUK FORMATION
REMARKS SAMPLES DESIGNATED "PL77 TSE-"
MEASURED ON EAST BANK OF KOKOLIK RIVER.
CORRESPONDS TO SECTION #12, CHAPMAN AND SABLE,
U.S.G.S. PROF. PAPER 303, SANDSTONE INTERVAL
SHOWN ~460' ABOVE BASE OF Knk.



Plotted by Beth King

PERIOD	EPOCH/STAGE	FORMATION/ MEMBER	CUMULATIVE FOOTAGE	SAMPLES WITH LAB DATA OR PALEO DATA	LITHOLOGY	MASTER BEDDING	PALEOCURRENT DATA	INTERVAL THICKNESS	DESCRIPTIONS
CRETACEOUS		KUKPOWRUK FORMATION	70						Correlates with sand in Interval 0'-60' on Sec W-17c.
			60						
			50						W-17A, S. flank Tupichak Syncline, Kokolik River, ridge on east bank NE 1/4 Sec 1 T75, R43W - Sandstone, 460' Above base of Knk. USGS Sec 12 Stop #1
			40						Traced laterally for ~7.0 mi east & west.
			30						
			20						
			10						
			0						

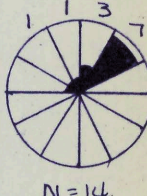
Top Covered



63.0 Sandstone, med to fine grained.
30.2 Sandstone, Pg, lt gr. Lower 11.0' horizontal
lamination with thin rippled zones. Upper 19.2'
very thin bedded, lg-scale (2.0' thick 30' wide)
low-angle trough cross-laminations. Lt. bioturbation
along bedding planes. Erosional base. Top covered.

Lg-scale cross-beds
(restored transport
directions)

N38E N20W
N06E N58E
N58E N40E
N38E N70E
N98E
N06E
N82E
N40E
N09E
N37E



8.1 Sandstone, fine-med grained, carbonaceous,
micaceous, very thin bedded. Lower 2/3 horizontal
lamination. Upper 1/3 sm-scale trough cross-
lamination. Top truncated by overlying unit.

12.4 Sandstone, med grained, lt-gr. Thick bedded.
Lower part dominantly horizontal lamination.
Upper part, low-angle lg-scale trough cross-
lamination (2.0' sets). Thin beds of sm-scale
trough cross-lamination (2" thick) in center
of upper part.

2.6 Sandstone, med grained, lt-gr. Thin-bedded
($< 0.6'$). Horizontal lamination, low-angle
lg-scale trough cross-stratification near
top.

9.7 Sandstone, med grained, med-sorted, slightly
calcareous. Thick bedded (1'-3') several
shale clast conglomeratic zones that
are discontinuous, 4" thick and probably
line scour surfaces. Low-angle
lg-scale trough cross-stratification
(1'-3' sets) covered at base.

RL5-114; PL77 TSE-114
 $\phi = 3.8$ $kmd = 0.55$

S:
N28W
18NE

Base Covered