

# NUNIVAK ISLAND

## STRATIGRAPHIC SECTION

Sec. 13, T. 3 N., R. 100 W.

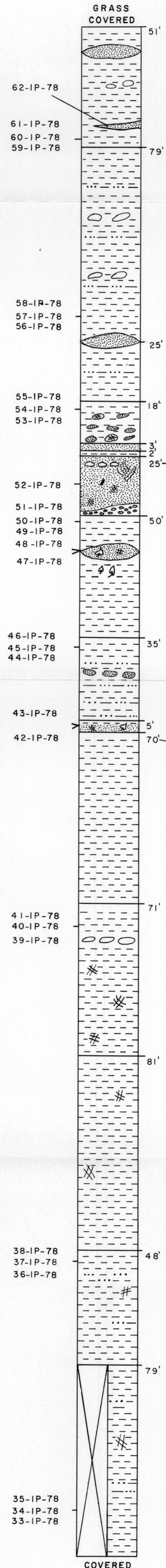
Locality 22

JULY 1978

MEASURED BY: I.F. PALMER  
W.M. LYLE  
T.O. FLETT

Porosity or Age Permeability or Environment

MESOZOIC  
UNDIFFERENTIATED  
MIDDLE UPPER CRETACEOUS - UPPERMOST CRETACEOUS (CAMPANIAN-MAESTRICHTIAN)



MUDSTONE - Dark-gray (N-3), hackly fracture. Upper sandstone lens up to 6 ft thick. Lower sandstone lens is medium gray (N-5), fine grained, contains nodule weathering zones; trace carbonate; 4 ft maximum thickness.

STRIKE 101° DIP 21° N.

MUDSTONE - Dark-gray (N-3), silty in part, with concretionary nodule zones.

Indeterminate  
Probable Nonmarine (Palynology)

MUDSTONE - As below, gray-black (N-2) beds 6 in. to 24 ft thick with thin siltstone stringers. Sandstone lens at top is silty, fine grained, cross-bedded.

Indeterminate  
Probable Nonmarine (Palynology)

MUDSTONE - Hackly fracture, with calcareous siltstone concretionary zones that contain carbonaceous debris.

SANDSTONE - Lens.  
MUDSTONE  
SANDSTONE - Medium-gray (N-5) to yellow-gray (5Y 7/2), noncalcareous, fines upward, with subangular clasts, concretionary zones, current ripples, cross-beds, carbonized wood and coal fragments; 1- to 3-ft-thick matrix-supported pebble conglomerate at base contains clasts of volcanic-rock fragments, chert, siltstone, and mudstone.

5.2 % .06 mD

MUDSTONE - As below, with sandstone lens 1 to 6 ft thick. Light-olive-gray (5Y 5/2), with leaf imprints, coalified wood fragments, carbonaceous debris, and reeds; cross-bedded.

Middle Upper Cretaceous  
2.5 % .05 mD

MUDSTONE - Contains 6- to 12-in.-thick siltstone interbeds and concretionary weathering zones.

SANDSTONE - Medium-gray (N-5), very fine grained, calcareous, silty in part, with carbonaceous debris and leaf imprints; upper contact irregular.  
MUDSTONE - As below.

2.2 % .06 mD

No older than Uppermost Cretaceous (Campanian-Maestrichtian)

MUDSTONE - Dark-gray (N-3), hackly fracture, with reeds, concretionary nodule zone, carbonaceous debris; beds 6 in. to 3 ft thick.

Indeterminate

MUDSTONE - Silty, hackly fracture, with carbonaceous debris.

MUDSTONE - Gray-black (N-2), as below.

STRIKE 130° DIP 14° N.

Indeterminate  
Probable Nonmarine (Palynology)

MUDSTONE - Silty, dark-gray (N-3), hackly fracture, moderately well indurated; contains carbonaceous debris and reeds and interbeds of siltstone; partially covered.

Indeterminate  
Possible Marine (Forams)  
Probable Nonmarine (Palynology)

