

# CANNING RIVER

## STRATIGRAPHIC SECTION

Sec. 30, T. 3 N., R. 24 E.  
LOCALITY 13

JULY 1979

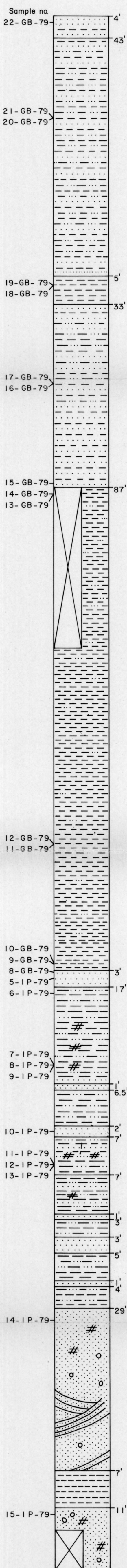
MEASURED BY: J. G. BOLM  
W. M. LYLE  
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TERTIARY

CRETACEOUS

COLVILLE GROUP

PRINCE CREEK AND SCHRADER BLUFF FORMATIONS UNDIFFERENTIATED



**SANDSTONE** - light gray N7, fine-grained, calcareous with thin beds and stringers of mudstone

**INTERBEDDED MUDSTONE, SILTSTONE, and SANDSTONE** - mudstone dark brownish gray 5YR 3/1 wet, medium dark gray M4 dry, hackly fracture, noncalcareous, 1- to 8-inch beds; siltstone dark yellowish brown 10YR 3/2, calcareous, 1/2- to 2-inch beds, sandstone medium gray N5, fine-grained 1/2- to 3-inch beds, calcareous

STRIKE N 65° E  
DIP 6° S

**MUDSTONE** - dark brownish gray 5YR 3/1, hackly fracture noncalcareous

**INTERBEDDED SANDSTONE, SILTSTONE, and MUDSTONE** - sandstone light gray N7, very fine to fine-grained, calcareous, cross-laminated, sole markings; mudstone dark brownish gray 5YR 3/1, noncalcareous, hackly fracture, some noncalcareous concretions; siltstone brownish gray 5YR 4/1, calcareous, 1/2- to 3-inch beds, contains sandstone pods

**MUDSTONE** - olive gray 5Y 4/1, hackly fracture, noncalcareous, siltstone lenses to 6 inches thick, siltier at top, calcareous; much bedding shear evident

**SANDSTONE** - yellowish brown 10YR 5/2, fine-grained, calcareous, coarser at base, well indurated, blocky weathering

**ALTERNATING SILTSTONE and MUDSTONE** - thin bedded, siltstones 1 to 4 inches thick, mudstones 2 to 8 inches thick with 1-inch sandstone at base, hackly fracture, prominent cliff former

**ALTERNATING SILTSTONE and MUDSTONE** - light olive gray 5Y 6/1 to olive black 5Y 2/1, iron stained in places; 70 percent mudstone, 30 percent siltstone, contains carbonized reed imprints

**SANDSTONE** - medium light gray N6, flaggy, fine-grained, parallel-laminated, well indurated

**MUDSTONE and SILTSTONE** - 60 percent mudstone, 40 percent siltstone, contains carbonaceous debris

**SANDSTONE** - medium light gray N6, massive, fine-grained, well indurated, parallel-laminated, blocky weathering, carbonaceous debris abundant, floating cobbles, calcareous, contains some crossbeds in 5- to 6-foot sets

**MUDSTONE** - dark gray N3, chippy weathering

**SANDSTONE** - fine-grained, partly covered, blocky weathering, contains numerous zones of shale chips and carbonaceous debris

BASE OF SECTION IS COVERED -  
SECTION TERMINATES AT ELEVATION 740'.  
BEARING TO 3287' PEAK 132°.

Porosity of Age 4.8%  
Permeability of Environment 0.02mD

Indeterminate  
Marginal Marine to Inner Neritic

3.1% Tertiary  
<0.01mD Nonmarine?

Paleocene  
Nonmarine

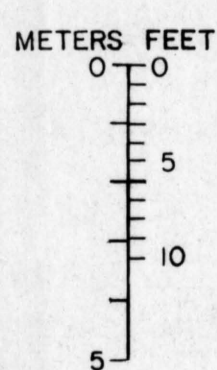
Probable Late Cretaceous  
3.8% 0.01 mD  
6.4% 0.11 mD  
Marginal Marine

Possible Tertiary  
Nonmarine

3.2%  
0.03mD

2.1%  
0.01mD

10.9%  
1.29 mD



STATE OF ALASKA  
DEPT. OF NATURAL RESOURCES  
Div. of Geological & Geophysical Surveys