

# YUKON RIVER STRATIGRAPHIC SECTION

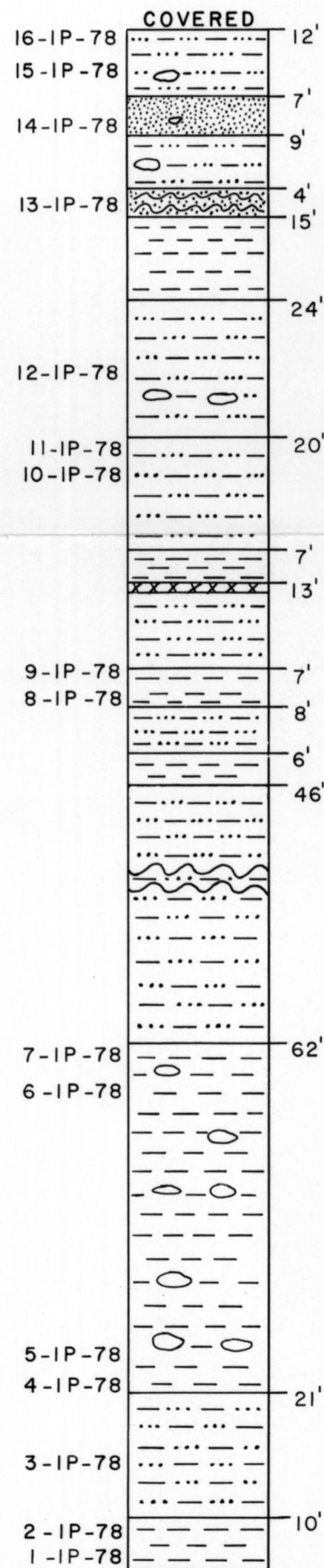
Sec. 11, T. 18 N., R. 69 W.

JULY 1978

Locality 18

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**MESOZOIC**  
 CARBONIFEROUS TO CRETACEOUS ?  
 GEMUK GROUP



**STRIKE 138° DIP 34° N.**

SILTSTONE — Muddy, medium-blue-gray (5B 5/1), well-indurated with weathering concretions and manganese stains.

SANDSTONE — Moderate-brown (5Y 4/4), fine-grained, with parallel laminations and faint graded bedding.

SILTSTONE — Massive, as below, with concretionary weathering features.

SANDSTONE — Light-olive-gray (5Y 5/2), very fine grained, well-indurated, crenulated laminations.

MUDSTONE — As below, beds 2 in. to 2 ft thick with parallel laminations.

SILTSTONE — Grayish-olive-green (5GY 3/2), massive, blocky, with manganese staining.

ALTERNATING SILTSTONE AND MUDSTONE — Color bands 3 to 6 in. thick.

MUDSTONE — As below, with parallel laminations.

SILTSTONE — Massive, hard, blocky exposure, 9-in.-thick bentonite at top(?).

MUDSTONE — Olive-gray (5Y 3/2), well-indurated, noncalcareous, with many light-tan weathering streaks.

SILTSTONE — As below.

MUDSTONE — Banded, 1- to 3-in.-thick bands with slight color differences.

SILTSTONE — With thin mudstone interbeds. Dominant weathering color is very pale orange (10YR 8/2). More massive and blocky than unit below; contains crenulated laminations and soft-sediment slump features.

MUDSTONE — Dusky-yellowish-brown (10YR 2/2), noncalcareous, well-indurated, with concretionary zones that appear to be weathering phenomena and parallel laminations.

SILTSTONE — Dusky-brown (5YR 2/2), sandy in part, hackly fracture, very well indurated.

MUDSTONE — Silty, dusky-yellow-green (5GY 5/2), some moderate-brown (5YR 4/4); possibly bentonitic.

**STRIKE 140° DIP 30° N.**

Porosity or Age Permeability or Environment

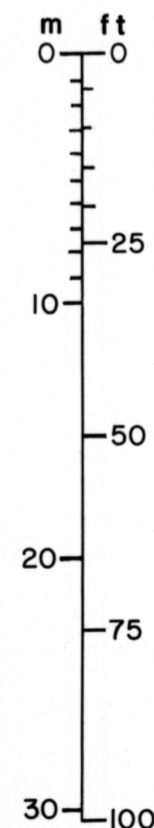
6.7 % .30 mD  
 Indeterminate  
 4.7 % .31 mD

Indeterminate

Indeterminate

7.6 % .40 mD

Indeterminate  
 Possible Marine



BASE OF SECTION AT FIRST GOOD EXPOSURE ALONG RIVER