# SNUG VIEW MTN. AND BEAR CK. RIDGE

## STRATIGRAPHIC SECTION

Sec. 24, 25, T. 1S., 20W.

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MESOZOIC — JURASSIC — CHINITNA-NAKNEK FORMATIONS

| | | | | Age | Environments |
|---|---|---|---|---|---|
| | | | | Porosity % | Permeability md. |
| | 140' | SANDSTONE | - Offset to Slope Mt., tied to measured section by marker bed, helicopter estimate. | | |
| | 9' 80' | SANDSTONE | - Light olive gray N-3, fine grained, well indurated, low angle crossbeds, with 9 foot alternating 1-foot siltstone and sandstone beds. | | |
| 55-JM-76 | | | | 1.4 | <0.01 |
| | 15' | SILTSTONE | - As below, forms summit of Snug View Mountain. | | |
| 53-JM-76 | 90' | SANDSTONE | - As above. | 1.5 | <0.01 |
| 54-JM-76 | | | | | |
| | 12' | ALTERNATING SILTSTONE AND SANDSTONE | - 10 foot siltstone with 2 feet sand, 18 feet sandstone, 12 feet siltstone with 3 feet sandstone. | | |
| | 18' 10' | SANDSTONE | - As below. | | |
| | 60' | | | | |
| | 35' | SANDSTONE AND SILTSTONE | - Alternating 1/3 - 2/3 m. beds. | | |
| 52-JM-76 | 15' | SILTSTONE | - Covered, extrapolated from cliff. | | |
| | | SANDSTONE | - Light olive gray, fine grained, well indurated. | 1.4 | 0.22 |
| 51-JM-76 | 135' | | | Probable Cretaceous or Older | Marine |
| | 12' | SILTSTONE | - Covered, extrapolated from cliff. | | |
| | | SANDSTONE | - Light olive gray N-3, medium - fine grained, well indurated, massive beds, low angle crossbeds, angular bidirectional fracture, resistant cliff former. | | |
| | 125' | | | | |
| 50-JM-76 | 150' | SILTSTONE | - Brownish black 5 YR 2/1 - dark gray N-3 hackly fracture. | 2.3 | 0.01 |
| | 30' | SANDSTONE | - Light olive gray 5 Y 5/2 fresh, yellowish gray 5 Y 7/2 weathered, well indurated, fine - very fine grained, fine laminations, metallic luster on fracture planes. | | |
| 49-JM-76 | 40' | SILTSTONE | - As above. | 1.9 | <0.01 |
| | 85' | SILTSTONE | - Mostly covered. | | |
| | | | | Jurassic - Early Cretaceous (Neocomian) | Open Marine |
| 48-JM-76 | 55' | SILTSTONE | - Brownish black 5 YR 2/1, hackly fracture. | | |
| 47-JM-76 | | | | | |
| 46-JM-76 | 80' | SANDSTONE | - Much covered, light olive brown 5 Y 5/6 - dusky yellow 5 Y 6/4 fresh, yellowish olive gray 5 Y 6/2 weathered. Fine - very fine grained, 60% light minerals, 40% dark minerals. Feldspathic, subangular to subrounded, very well indurated. | 1.4 | <0.01 |
| 45-JM-76 | | | | | |
| | 25' | COVERED | | | |
| | 25' | SANDSTONE | - As above. | | |
| | 100' | COVERED | - Offset to Snug View Mt. from Bear Creek Ridge. | | |
| | 780' | SADDLE - BEGIN UPPER PART OF SECTION<br>SNOW COVER 99% - SILTSTONE IN FLOAT PATCHES. | | | |
| 183-1P-76 | 350' | SILTSTONE | - Partially covered, sandstone interbeds and extremely hard siltstone ledges. | Probable Cretaceous or Older | Marine |
| 182-1P-76 | | | | | |
| 181-1P-76 | | | | | |
| | 65' | ELEVATION 3410 feet<br>SILTSTONE | - Partially covered. | | |
| | 55' | SILTSTONE | - As below containing calcareous concretion beds, sandstone 1 foot thick near top exhibits graded bedding. | | |
| | 16' | SNOW COVERED - ELEVATION 3510 feet | | | |
| 180-1P-76 | 150' | SILTSTONE | - With numerous concretion beds near top and few sandstone interbeds at base. Some sandstones in float exhibit graded bedding 2 - 3 cm thick. Shale rip ups appear to be mud cracks. | Probable Cretaceous or Older | Marine |
| 179-1P-76 | | | | | |
| 178-1P-76 | | | | | |
| 177-1P-76 | 300' | ELEVATION 3360 feet -- Offset N 55 E to peak 3510 feet elevation<br>SANDSTONE | - Light olive gray 5 Y 6/1, medium grained .5 mm thinly bedded or banding owing to color change. Hard friable containing some siltstone interbeds at base. Sandstone content increasing upward. Contains parallel laminae and no obvious other structures.<br><br>This unit and 260 feet below exhibit a coarsening upward-increasing sandstone content upward sequence indicative of a linear clastic shore face environment or possibly a submarine fan grain flow deposit. | 7.1 | 0.27 |
| | 260' | ELEVATION 3060 feet<br>SILTSTONE | - As below becoming interbedded with sandstone upward. | | |
| 176-1P-76 | 140' | ELEVATION 2800 feet<br>SILTSTONE | - With bedded concretions. | | |
| 175-1P-76 | | | | | |
| 174-1P-76 | | ELEVATION 2660 feet | | | |
| 173-1P-76 | 111' | SILTSTONE | - As below, contains scattered pelecypod and gastropod fragments. | Probable Cretaceous or Older | Marine |
| | 165' | SILTSTONE | - Olive gray 5 Y 4/1, hackly fracture, contains a 2 foot sandstone bed near middle and bedded calcareous concretions up to .75 meters. Bedding .5 - 2 meters. | | |
| 172-1P-76 | 170' | SILTSTONE | - As below with a few scattered calcareous concretions up to .5 m in diameter with concretion bed at top. | | |
| 171-1P-76 | | | | | |
| 170-1P-76 | 137' | SILTSTONE | - Partially covered. Similar to siltstone at base. Appears to contain a few sandstone beds at base from float. Dominant color olive gray 5 Y 4/1. | ? Neritic ? | |
| | 142' | SANDSTONE | - Light olive gray 5 Y 6/1, medium to coarse grained, .5 - 1.0 mm, with floating granules and pebbles. Well indurated and contains shale ripup clasts in beds and siltstone interbeds up to 1 meter thick. | | |
| 169-1P-76 | 102' | SILTSTONE | - Grayish olive 10 Y 4/8, hackly fracture rubble on ridge. One meter thick highly resistant bed standing in relief at 64 feet from base. | 6.5 | 0.07 |
| 168-1P-76 | | | | | |

VERTICAL SCALE: 1" = 100'

Begin Section at 2240' Elevation

PLATE V