

Section 112-16-435
 Gods River, 7 km NW of Shamattawa
 Elevation (top): 68 m asl
 NAD83 UTM 15N: 6193897E, 550884N

**Interpretation
 and
 geochronology**

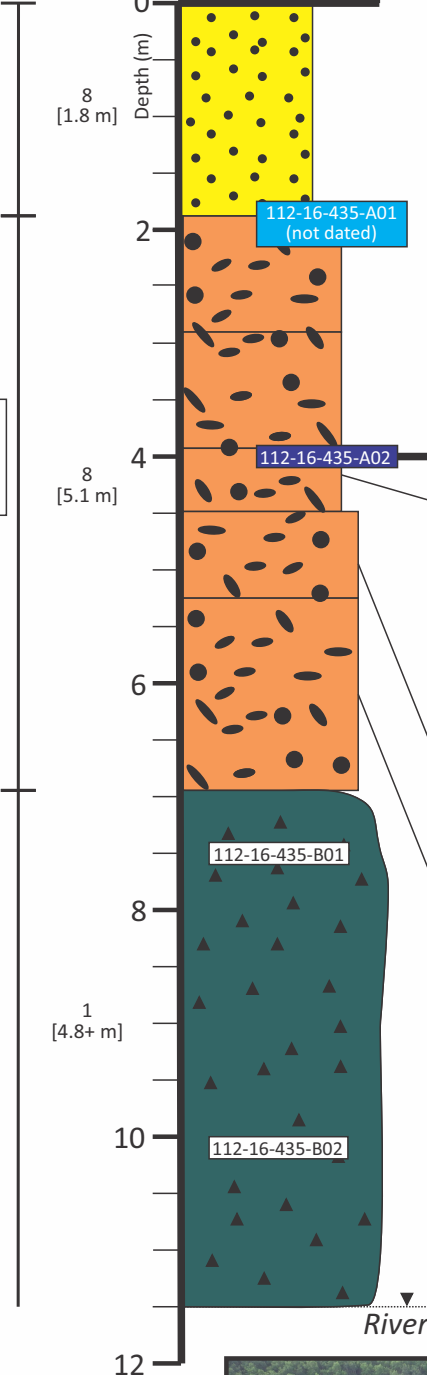
**Stratigraphic
 unit**
 [thickness]

Alluvial

112-16-435-A02
Hiatella arctica
 7750 ±15 ¹⁴C BP
 UCIAMS-184557

Marine
 (coarse-
 grained
 lithofacies)

Till
 (glaciation)



Description

Fine sand with silt stringers; inclined bedding; rare shell fragments; siltier with depth; 5.0 cm thick brown silt layer at contact with gravel below, shell fragments collected from silt

Sandy gravel; clast supported; granule- to large pebble-sized clasts; subangular to rounded; shell fragments present

Gravel; matrix supported; similar to above with clast-supported lenses

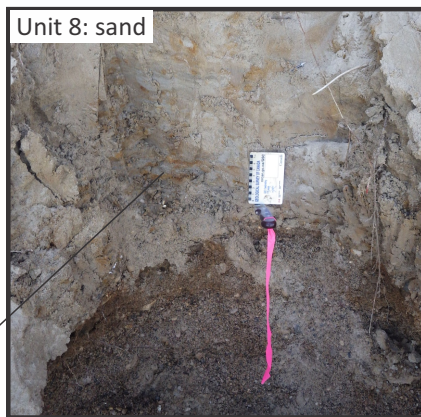
Bedded coarse sand and small pebbles; beds are dipping to the east; gravel beds 2.0–4.0 cm thick, sand 2.0–10.0 cm thick; whole valve in gravel collected at 3.95 m; sharp lower contact; 4.4–4.5 m sandy gravel, matrix supported

Gravel; no matrix; granule- to small pebble-sized clasts; coarsening downward

Sandy gravel; clast supported; granule to pebble-sized (4 cm) clasts; dipping to the west; minor oxidation in coarse layers; sharp lower contact with diamict, groundwater flowing along contact

Black (Munsell colour 5Y 2.5/2) to dark grey (Munsell colour 5Y 4/1) diamict; clayey matrix; massive; 5–10% clasts; very carbonate clast rich; compact with only minor jointing; black staining along joint surfaces

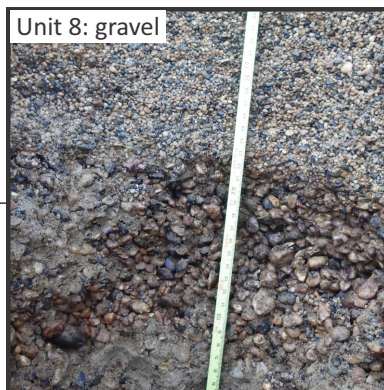
Unit 8: sand



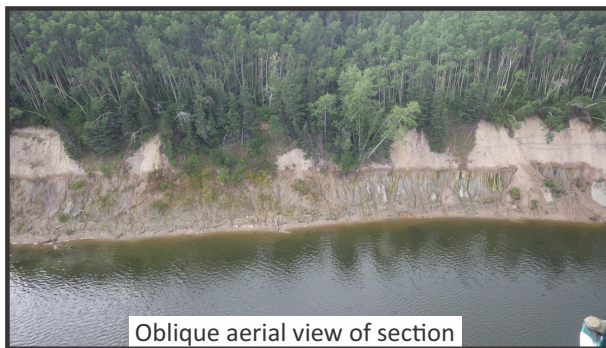
Unit 8: sandy gravel



Unit 8: gravel



Unit 1: till



Oblique aerial view of section



Groundwater discharge along gravel-till contact