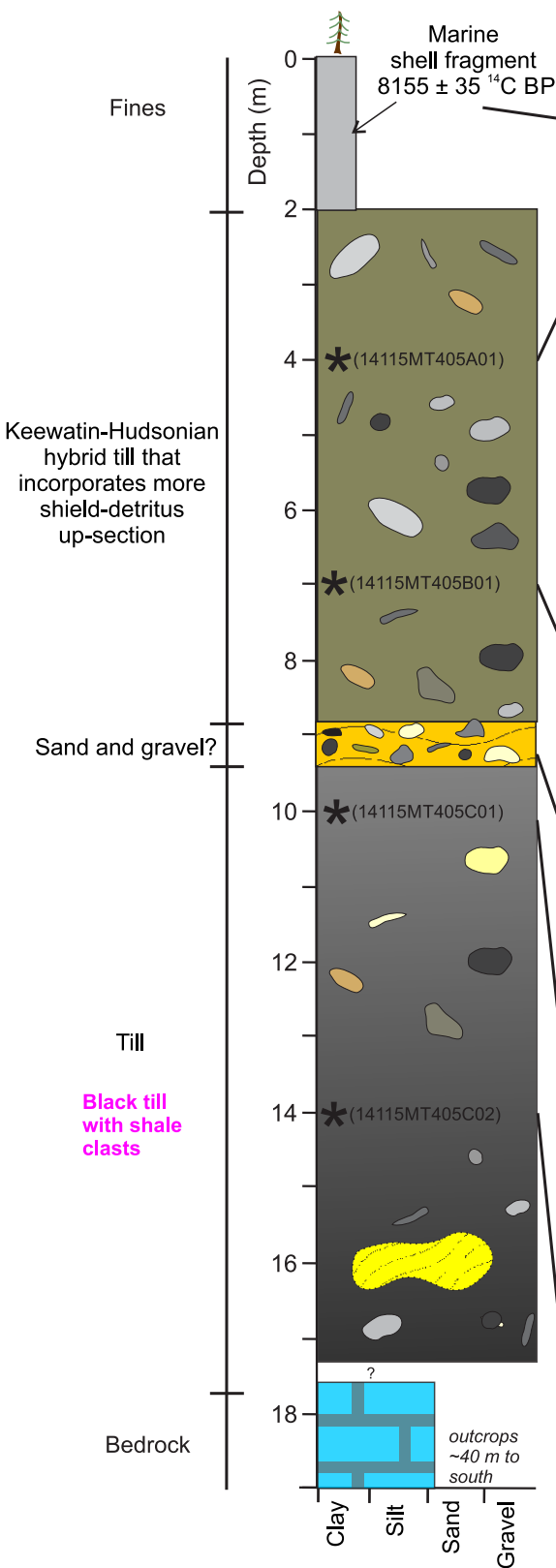


Section 14115MT405

Vertical section, Chasm Creek/Churchill River
Elevation: 100 m
Latitude: 58.002 N Longitude: -94.930 W
Overlies Paleozoic Platform
Situated 30 km east of the Precambrian Shield

This section is vertical, and was difficult to access; as such this is a simplification of the stratigraphy.



Light orange-brown and tan, horizontally bedded clay and silt, with rare shell fragments. Sample lab number is UCIAMS-149605; 8500 ± 170 cal yr BP.

Massive, loose, light brown diamict with 15% clasts and a clayey sandy silt, calcareous matrix.

Massive, loose, grey-brown diamict to poorly-sorted sand and gravel; 10-15% rounded to sub-rounded clasts; sandy silt, calcareous matrix.

Too steep to access: appears to be a ~1 m thick sand and gravel unit (pebble to boulder-sized clasts), with a sharp horizontal lower contact.

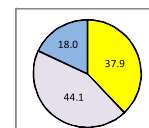
Massive dark grey-black, dense, jointed diamict with 10-15% clasts and a clayey silt sand calcareous matrix; cobble- to boulder-sized clast pavement at the upper contact.

Massive black, dense, blocky diamict with 15% clasts and a clayey sandy silt calcareous matrix; manganese staining on some joints; 0.6 by 1.2 m orange-brown sand lens within diamict near base of section.

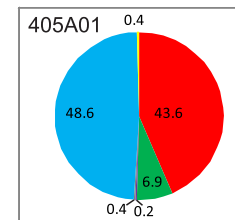
Till-matrix
total carbonate

36.71%

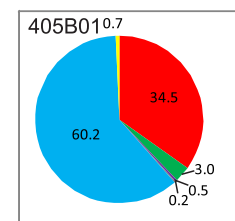
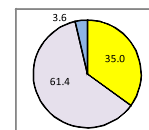
Till-matrix
texture



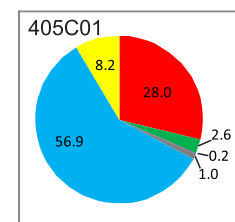
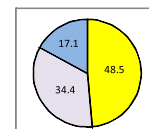
Till-clast
lithology



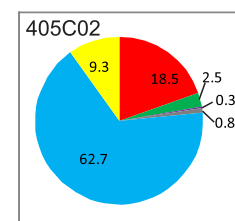
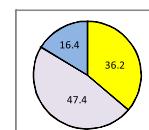
34.00%



23.99%



23.76%



Sand wt%
Silt wt%
Clay wt%

Carbonate clast ct. %
Exotic eastern clast ct. %
Granitoid clast ct. %
Greenstone clast ct. %
Exotic northern clast ct. %
Unknown* source ct. %



C01; 2-4 mm shale clasts

*Unknown includes ironstone, chert, and for the two lower sites unmetamorphosed grey-black shale.