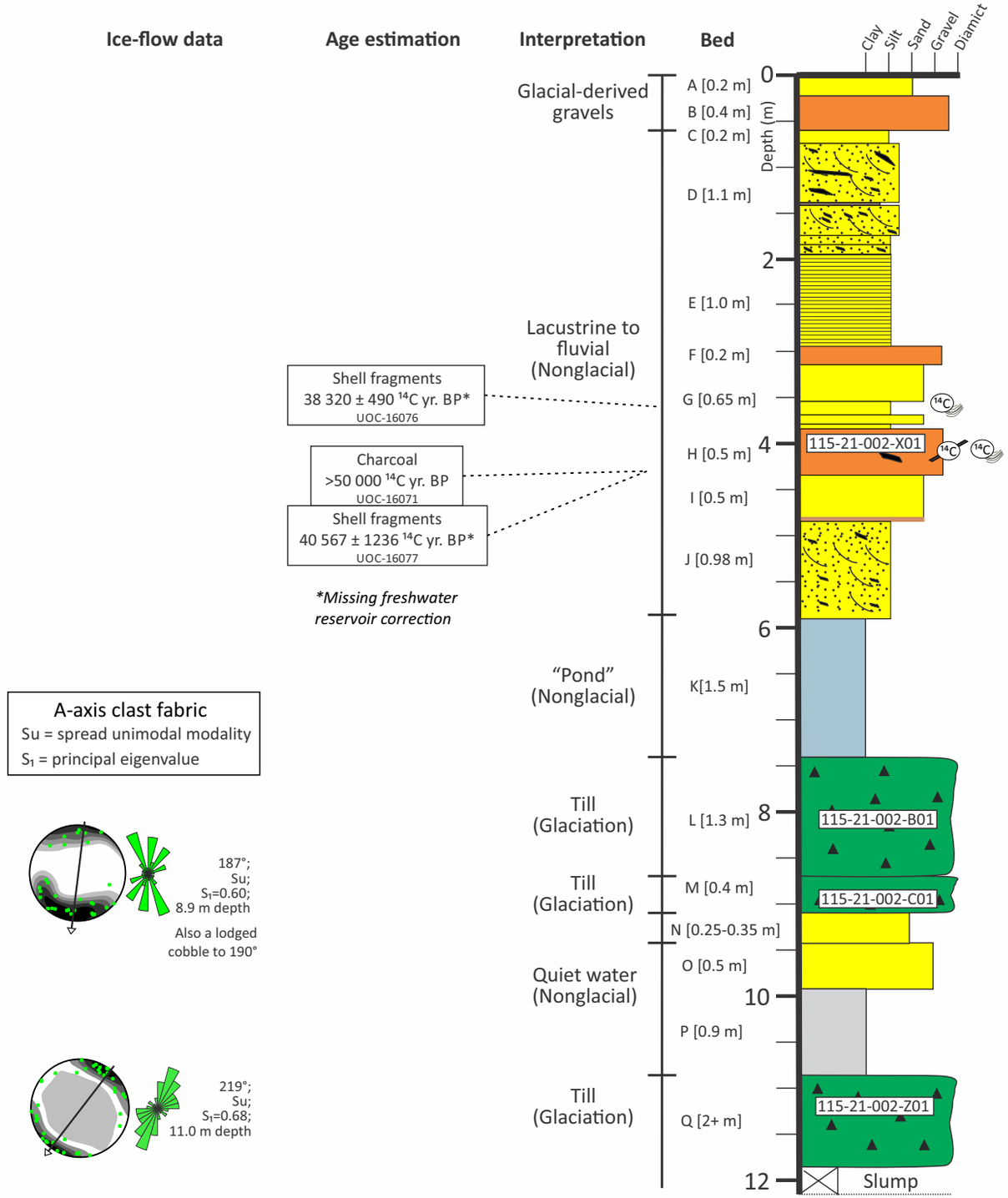
Section 115-21-002 [Circus Section]
Roseau River
Elevation (top): 274 m asl
UTM Zone 14, NAD83: 653422E, 5451834N

Ice-flow data

Age estimation

Interpretation

Bed



Description

Bed A: sandy soil.

Bed B: gravel, massive, matrix to clast-supported, poorly-sorted with subangular to subrounded commonly faceted, granule to boulder-sized clasts of both Precambrian shield and carbonate lithologies; sharp lower contact.

Bed C: very fine-sand; light grey to brown; massive; well sorted.

Beds D to J: sand, massive to ripple cross-bedded, with some gravel beds; some beds contain disseminated organics, pollen, freshwater shells and charcoal.; thickens to northwest.

Bed K: silt, dark grey-brown to blue-grey with depth, compact and massive, well-sorted, organic-bearing (rare disseminated and small gastropods) and smells like sulphur; injection of sand into upper part silt from glacial loading.

Bed L: diamict, greyish brown (Munsell colour 2.5Y 5/2), sandy silt matrix with 10–15% clasts; laminated structure and the beds are steeply dipping at 52° towards 353°; unsure if slumped or fissility so no fabric was measured; sharp horizontal lower contact.

Bed M: diamict, dark grey (Munsell colour 2.5Y 4/1), sandy silty clay matrix and 10% clasts, massive with a minor blocky appearance and moderate density; sharp horizontal lower contact.

Bed N: fine sand, thinly bedded, well sorted; contains detrital organics; sharp undulatory lower contact.

Bed O: gravelly fine to coarse-grained sand, moderately sorted with variable 5–20% granules to small pebble-sized clasts; sharp lower contact.

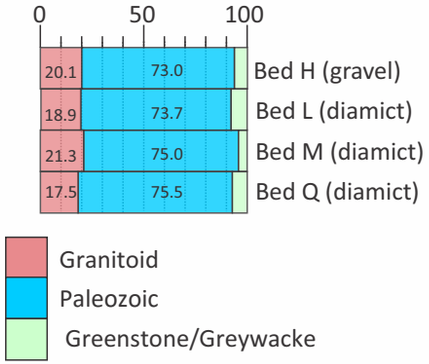
Bed P: silt, light grey, massive, very compact; lowest 0.14 m transitions to a fine sand; sharp horizontal lower contact.

Bed Q: diamict, olive brown (Munsell colour 2.5Y4/5), silty sand matrix and 3–5% clasts, massive, very compact.

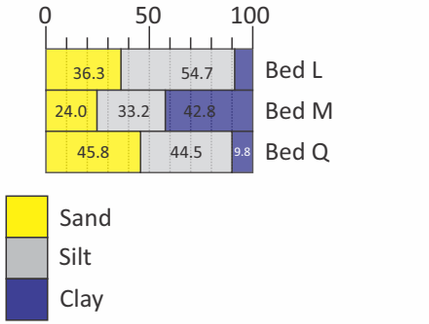
Total carbonate in the matrix (wt. %)

49.69	Bed L
32.94	Bed M
54.38	Bed Q

Simplified clast lithology (2–8 mm ct. %)



<2 mm grain-size (wt. %)



A-axis clast fabric
Su = spread unimodal modality
S_1 = principal eigenvalue

187°;
Su;
S_1=0.60;
8.9 m depth

Also a lodged cobble to 190°

219°;
Su;
S_1=0.68;
11.0 m depth