

# Section 115-21-010 / 115-22-301

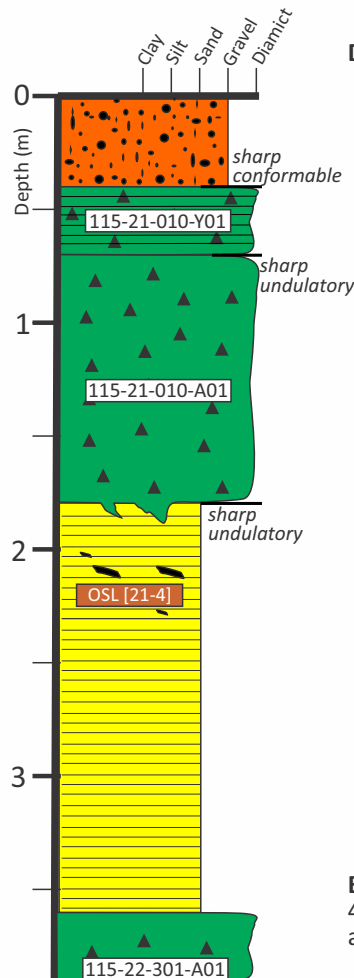
Drainage ditch east of Roseau River

Elevation (top): 276 m asl

UTM Zone 14, NAD83: 659414E, 5449522N / 659458E, 5449522N

## Ice-flow data Interpretation

## Bed



## Description

**Bed A:** sandy gravel; clast- to matrix-supported; poorly sorted; very fine sand to coarse sand matrix; 40–50% clasts; rounded to sub-rounded clasts; carbonate-rich gravel.

**Bed B:** diamict, massive, light yellowish brown (Munsell colour 2.5Y 6/3), laminated with a clayey sandy silt matrix and 10–15% clasts.

**Bed C:** diamict, brown (10YR 5/3), massive with a clayey sandy silt matrix and 10–15% clasts; some granitoid clasts are chemically weathered; lower contact is sharp but includes sheared sand and diamict wedges down into the sand.

**Bed D:** fine-sand; well sorted; horizontally bedded to ripple bedded; some horizons contain disseminated organics.

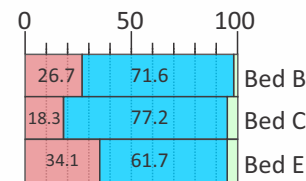
Just 15 m to east, there is 0.15 m laminated diamict, 1.15 m massive diamict, and then 0.6 m fine-sand, moderately to well-sorted, with beds 3–5 mm thick that dip 42 toward 304. Contains 10% clasts that are granule to small pebble-sized, rounded to subrounded, of mixed lithologies; sharp lower and upper contacts.

**Bed E:** diamict, dark grey (Munsell colour 5Y 4/1), more compact with a silty sandy matrix and 3–5% clasts.

## Total carbonate in the matrix (wt. %)

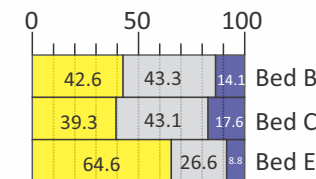
61.94	Bed B
54.44	Bed C
45.82	Bed E

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

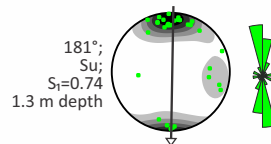


Granitoid Calcareous Greenstone/Greywacke

## <2 mm grain-size (wt. %)



Sand Silt Clay



## A-axis clast fabric

$S_u$  = spread unimodal modality

$S_1$  = principal eigenvalue

