



SURFICIAL GEOLOGY & AGGREGATE RESOURCES OF THE Russell/Shoal Lake Area Manitoba

Legend

QUATERNARY

- Post Glacial**
- 8 Organics - swamp, muck and peat
 - 7 Colluvium - slumped material on valley slopes, mainly shale, minor till and outwash
 - 6 Alluvium - sand and silt, minor clay and gravel
- Proglacial**
- 5c Fluvial Terraces - thin sand and gravel over till
 - 5b Fluvial Terraces - sand and gravel
 - 5a Fluvial Terraces - sand and silt, minor gravel
 - 4c Outwash Plain - sand and gravel with eolian sand cover (>1m thick)
 - 4b Outwash Plain - sand and gravel
 - 4a Outwash Plain - sand, minor gravel and silt
- Glacial**
- 3c Moraine Plateau - silt and clay, minor till
 - 3b Ice Contact Features - kames and eskers, sand and sand till, local gravel bodies
 - 3a Kame Moraine Complex - sand, local gravel and till
 - 2d Till Plain - corrugated, moderate to high local relief (>5m) with distinct northeast-southwest trending moraine ridges
 - 2c Till Moraine - hummocky, >10m local relief
 - 2b Till Plain - rolling to hummocky, 5-10 m local relief
 - 2a Till Plain - rolling, <5 m local relief

CRETACEOUS

- 1 Riding Mountain Formation - grey shale

Symbols

- Geological Boundary
- ✕G039 Pit, exposure number, no sample
- ✕G039S Pit, exposure number, sample
- G034 Geological Field Exposure, no sample
- G034S Geological Field Exposure, sample
- I2236 Aggregate Deposit Number * Buried Deposit - size unknown + Minor Deposit (< 5 ha)
- Small Meltwater Channel
- Large Meltwater Channel
- >>>>> Esker Ridge - mainly sand, minor gravel
- Drumlinoid Ridge (drumlins, fluting)
- x Bedrock Outcrop

Aggregate Deposits

- Mainly Gravel - more than 60% gravel*
 - Sand And Gravel - 40 to 60% gravel*
 - Mainly Sand - less than 40% gravel*
- *Gravel ≥ 2 mm in size

MAP 2 GLEN ELMO 62K/15

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