

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, >10 m 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 6

SHOAL LAKE
62K/7

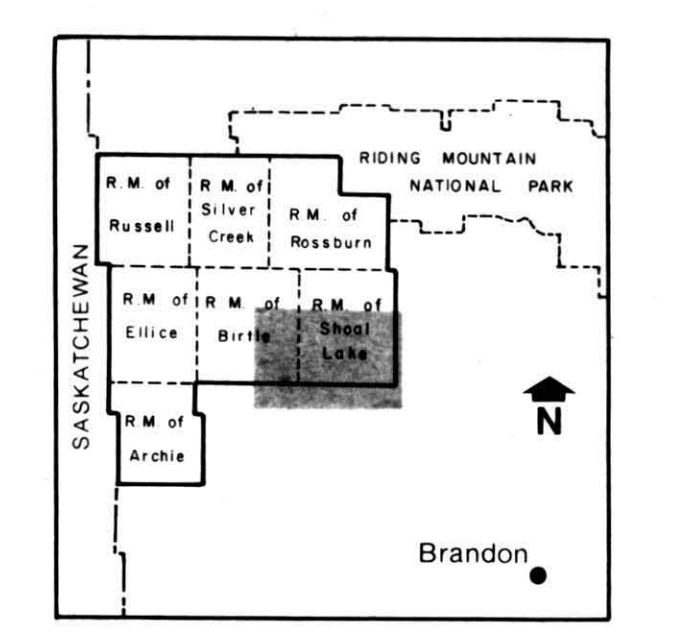
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SHOAL LAKE
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