



MAP AR87-3-1

AGGREGATE RESOURCES AND SURFICIAL GEOLOGY OF THE CROSS LAKE AREA

LEGEND

- | | |
|--------------------|--|
| 6 Wetlands, swamps | - generally shallow (<1m) organic deposits, water table at or near surface |
| 5 Glaciolacustrine | - less than 2m of clay and silt deposited in glacial lake Agassiz; sediments consist of a massive brown clay unit (<1m) overlaying silty rhymites |
| 4 Glaciofluvial | - esker and outwash deposits consisting of sand and gravel laid down by glacial meltwater |
| 4c | - sand |
| 4b | - sand, minor gravel |
| 4a | - gravel, minor sand |
| 3 Ice-contact | - sediments deposited in close proximity with glacial ice; consists of sand, gravel, diamicton (till like), silt |
| 3b | - sand, minor gravel |
| 3a | - gravel, minor sand |
| 2 Glacial | - lee-side till, diamicton located in the lee of bedrock knobs; not a surficial unit on this map, but can be observed in road cuts underlying glaciolacustrine sediments |
| 1 Bedrock | - generally covered with glaciolacustrine silts and clays (<1m), best exposure along shoreline |
| 1c | - metasedimentary, metamorphosed conglomerates and sandstones |
| 1b | - volcanic, fractured, dark grey basalt |
| 1a | - gneissic granite, massive crystalline intrusives |
| 1 | - undivided rocks |

SYMBOLS

- | | | | |
|---|--|-------|-----------------|
| — | Geological boundary (assumed) | xx | Clay pit |
| ⬢ | Gravel pit boundary | ⌘ | Borrow pit |
| ⌘ | Gravel pit, active, inactive | x | Bedrock outcrop |
| ⌘ | Quarry, active, inactive | — | Striation |
| ■ | Backhoe station site, sampled, not sampled | 32104 | Deposit number |
| ● | Field station site, sampled, not sampled | CL004 | Station number |

AGGREGATE DEPOSITS

- | | |
|---|--|
| ■ | Sand and gravel deposit |
| ■ | Sand |
| ▨ | Bedrock, fractured basalt suitable as aggregate source |

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Geology by M.Mihychuk, 1987
Cartography by M.Carvalho

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