

SURFICIAL GEOLOGY AND AGGREGATE DEPOSITS IN THE RURAL MUNICIPALITY OF BOULTON

LEGEND

QUATERNARY

Post Glacial

- 8 Undifferentiated deposits; colluvium and alluvium associated with abandoned and underfit channels

Proglacial

- 7 Terrace deposits:
7b - primarily sand and gravel, generally >3m thick
7a - primarily sand, <1m sand and gravel over till; or untested
- 6 Outwash plain deposits:
6b - primarily sand and gravel, generally >3m thick
6a - primarily sand, often with localized gravel pockets; or untested
- 5 Outwash deposits, in and along abandoned channels:
5b - primarily sand and gravel, generally >3m thick, material ranging from cobbly coarse pebble gravel to sand with localized gravel pockets
5a - sand and gravel, generally 1-3m thick, poorly sorted and often very coarse (primarily boulders and cobble gravel)

Glacial

- 4 Moraine plateau; till rims surrounding silt and clay infill
- 3 Ice contact deposits; sand and gravel, generally as rims of kettle lakes
- 2 Stagnation moraine:
2b - till, hummocks up to 10m high; includes organics and mud accumulating in kettle lakes and sloughs
2a - till, on flanks of Duck Mountain; includes colluvial and alluvial sediments
- 1 Ground moraine:
1b - till, rolling plain, relief 1-3m
1a - till, modified by water erosion, includes minor areas of silt, clay or gravel

SYMBOLS

- Meltwater channel
- Buried or partly-filled channel
- Escarpment
- Sand and gravel pit; intermittent usage
- Sand and gravel pit; abandoned
- Sand and gravel site; minor extraction; intermittent usage
- Sand and gravel site; minor extraction; abandoned
- Field station; sample-s (Site prefix in text: HM)
- Backhoe station; sample-s (Site prefix in text: HA)
- Till section; sampled (Site prefix in text: TR)
- Till section

- 14231 Deposit number
- x Bedrock outcrop
- Aggregate Deposit

Deposit Symbol	
H	Production potential
14231	Deposit number
7a	Deposit type

Deposit Production Potential

- (H) High (M) Moderate (L) Low

INDEX MAP



Geology by H. Groom
Cartography by C. Wojciechowski

The base for this map is taken from N.T.S. Maps 62K/140/1980, 62K/150/1980, 62N/20/1981, 62N/30/1982.
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To accompany Aggregate Report AR92-1

Scale 1:50 000

KILOMETRES 1 2 3 4 5 KILOMETRES

