

SURFICIAL GEOLOGY AND AGGREGATE DEPOSITS IN THE RURAL MUNICIPALITY OF HILLSBURG

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

Gravel occurrence

Aggregate Deposit

Deposit Production Potential

(H) High

(M) Moderate

(L) Low

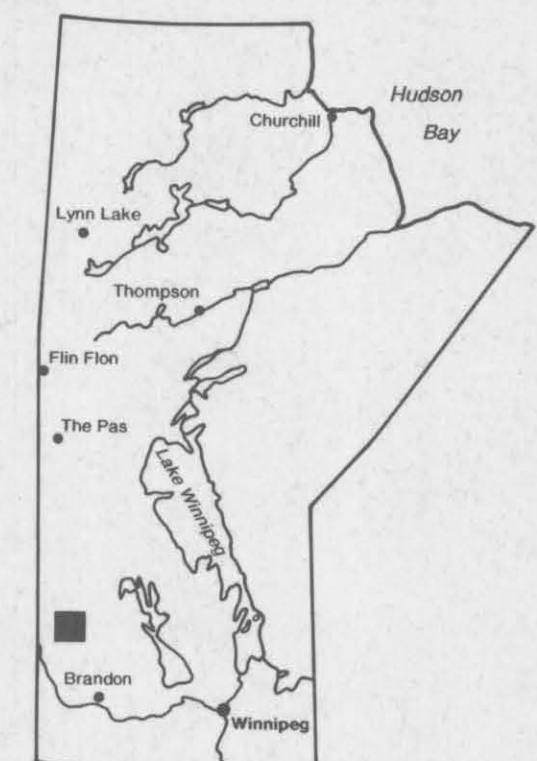
Deposit Symbol

H — Production potential

14231 — Deposit number

7a — Deposit type

INDEX MAP



Geology by H. Groom

Cartography by C. Wojciechowski

The base for this map is taken from N.T.S. Maps 62N/26/1981, 62N/30/1982, 62N/66/1982, 62N/70/1982
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To accompany Aggregate Report AR92-1

Scale 1:50 000

KILOMETRES 0 1 2 3 4 5 KILOMETRES

