

# AGGREGATE RESOURCE INVENTORY of the RURAL MUNICIPALITY OF BROKENHEAD

TO ACCOMPANY OPEN FILE REPORT OF 82-5

SCALE 1:50 000

KILOMETRES 1 0 1 2 3 4 KILOMETRES

## LEGEND

### POST GLACIAL

- 8 ALLUVIUM: present day flood plain and/or valley fill material composed mainly of silt and clay and minor seasonally submerged organic deposits.
- 7 SWAMP: seasonally submerged organic deposits.

### LATE GLACIAL

- 6 BEACH RIDGES: representing major stillstands of Lake Agassiz, includes spits and offshore bars consisting of sand and gravel.
- 5 LITTORAL SAND AND GRAVEL:
  - 5a wave washed till overlain by a regressive sequence consisting of silt and clay grading upwards into sand and fine pebble gravel. Generally less than 2 metres thick and restricted to flat lying, poorly drained areas.
  - 5b massive medium to fine grained sand with minor gravel generally overlying clay. Generally greater than 2 metres thick.
- 4 LACUSTRINE CLAY: silt and clay deposited in the deep waters of Lake Agassiz.

### GLACIAL

- 3 CALCAREOUS TILL: generally silt-rich and severely jointed calcareous till of northwest provenance commonly modified by wave action. Includes minor areas of sandy till of northeast provenance.
- 2 GLACIOFLUVIAL SAND AND GRAVEL: glacially overridden glaciofluvial deposits consisting,
  - 2a primarily of sand with minor gravel.
  - 2b primarily of sand and gravel.
- 1 BEDROCK
  - 1a Precambrian Crystalline Bedrock
  - 1b Paleozoic Limestone Bedrock

## SYMBOLS

- 3900 Deposit number
- X Gravel pit
- Minor beach ridges
- Ice-berg scour
- Esker
- Assumed geological boundary
- Presumed geological boundary

GEOLOGY BY G. CONLEY, 1980

GEOLOGICAL CARTOGRAPHY BY D. BAGWELL, 1982

