



## LEGEND

### Quaternary

#### Recent

- 8..... COLLUVIUM - sand, silt and clay
- 7..... ALLUVIUM - fine to medium sand, minor silt, clay and organics, some localized gravel

#### Post Glacial

- 6..... GLACIO-LACUSTRINE DEPOSITS - silt and clay
- 5..... VALLEY TERRACE DEPOSITS - sand and gravel, some silt and clay

4b..... OUTWASH - sand, silt and clay

4a..... OUTWASH - sand and gravel, some silt

#### Glacial

3..... MORaine PLATEAU - silt, clay, minor sand and gravel

2b..... HUMMOCKY MORaine - silty clayey fill, local relief 8 to 20 m

2a..... HUMMOCKY MORaine - silty clay fill, local relief 3 to 8 m, isolated outwash deposits

1b..... TILL PLAIN - sandy silty fill, modified by water erosion, local silt, isolated outwash deposits

1a..... TILL PLAIN - sandy silty fill, isolated outwash deposits

## SYMBOLS

I4301 ..... Aggregate Deposit Number

✕ GPI03S ..... Gravel Pit, exposure number, sampled

✕ GPI09 ..... Gravel Pit, exposure number, no sample

● TPI02S ..... Test Pit, exposure number, sampled

● TPI08 ..... Test Pit, exposure number, no sample

■ FSI05 ..... Field Station, exposure number, sampled

■ FSI07 ..... Field Station, exposure number, no sample

..... Geological Boundary

..... Buried or Partially Buried Meltwater Channel

..... Spillway Channel

## AGGREGATE DEPOSITS

..... Low Quality < 20% Gravel Content

..... Medium Quality - 20 - 60% Gravel Content

..... High Quality > 60% Gravel content

- Note:
1. Gravel is classified as material greater than 2mm.
  2. Small isolated outwash deposits within the till plain and hummocky moraine are distinguished by gravel pit symbols (ie: Deposit No. I4310). Where these deposits are sufficiently large their areal limits have been defined with borders (ie: Deposit No. I4344). These deposits have not been assigned a discrete map unit as they are considered part of the surrounding till unit.

Scale 1 : 50 000

0 0.25 0.5 1.0 2.0 Miles

0 0.5 1.0 2.0 3.0 Kilometres

## SURFICIAL GEOLOGY AND AGGREGATE RESOURCE INVENTORY OF THE RURAL MUNICIPALITY OF SHELL RIVER

Prepared by:

**uma**

UMA Engineering Ltd.  
Engineers & Planners  
1479 Buffalo Place, Winnipeg, Manitoba, Canada R3T 3T7

Drawn: M.S.

Date: OCTOBER, 1985

Scale: 1 : 50,000

Job No. 1601-024-01-03

Prepared for:

**Manitoba Energy & Mines**

Map No.

**AR 85 - 4**