



## LEGEND



### QUATERNARY

#### HOLOCENE (RECENT)

- 7D** Eroded Channels and Steep Slopes: includes colluvium and landslide material
- 7C** Shallow Swamp Deposits: muck and peat
- 7B** Eolian Deposits: fine sand, derived from lacustrine sediments
- 7A** Alluvium: flood plains and alluvial fans; poorly sorted sand, silt and clay

#### PLEISTOCENE

##### GLACIOLACUSTRINE

- 6E** Beach Ridges and Littoral Sand: sand and gravel, sand
- 6D** Lagoonal Deposits: fine sand, silt
- 6C** Deep Water Deposits: clay, silt
- 6B** Deltaic-Fine Offshore Deposits: fine sand, silt; in some cases interbedded with clay
- 6A** Deltaic-Coarse Apex Deposits: sand and gravel, sand; in some cases interbedded with silt

##### GLACIOFLUVIAL DEPOSITS

- 5** Channel Fill and Terraces: sand with some gravel, poorly sorted sand, silt and clay

##### PROGLACIAL DEPOSITS

- 4B** Glacial Outwash and Stratified Drift: sand and gravel, sand; interbedded with till in stratified drift deposits
- 4A** Reworked Till: sand and gravel, sand; includes lag concentrates

##### GLACIAL DEPOSITS

- 3** Till: undifferentiated

### TERTIARY (MAY BE EARLY PLEISTOCENE)

- 2** Souris Sand and Gravel

### CRETACEOUS

- 1** Shale Bedrock

## SYMBOLS

#### Geological Boundary

#### Sand and Gravel Deposits

#### Sand and Gravel Deposit Number

#### Existing Pit

#### Department of Highways Station

#### Department of Highways Station With Sample

#### UMA Station

#### UMA Station With Sample

#### UMA Station Number

#### UMA Backhoe Test Pit

#### Gradation Range

#### Resistivity Line

#### Study Boundary



## NOTE

Geology by Underwood McLellan & Associates, Limited

To accompany the report "SAND AND GRAVEL RESOURCES BRANDON REGION", prepared by Underwood McLellan and Associates, Ltd. for the Department of Mines, Resources and Environmental Management, Province of Manitoba

Base Map at the same scale published by the Department of Energy, Mines and Resources, Ottawa

**MANITOBA**  
DEPARTMENT OF MINES, RESOURCES  
& ENVIRONMENTAL MANAGEMENT

**Sand and Gravel Resources  
of the Brandon Region**

**Surficial Geology of the  
Brandon Region**



The UMA Group

62 F10 E