



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	47
Existing Pit	
Department of Highways Station	
Department of Highways Station With Sample	
UMA Station	
UMA Station With Sample	
UMA Station Number	851
UMA Backhoe Test Pit	P51
Gradation Range	E
Resistivity Line	RL4
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

MANITIBA
DEPARTMENT OF MINES, RESOURCES
& ENVIRONMENTAL MANAGEMENT

Sand and Gravel Resources
of the Brandon Region

Surficial Geology of the
Brandon Region



The UMA Group

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