



**LEGEND**

**SYMBOLS**

**INDEX MAP**

**MAP AR93-1-1**

**SURFICIAL GEOLOGY and  
AGGREGATE DEPOSITS in  
the RURAL MUNICIPALITY  
of ALBERT**

Geology by H. Groom

Cartography by L. Villeneuve

The base for this map is taken from N.T.S. Maps 62F/6, 62F/7, 62F/10, 62F/11, 62F/14 & 62F/15.  
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To accompany Aggregate Report AR93-1

Scale 1:50 000



<b>QUATERNARY</b>	
<b>Post Glacial</b>	
8	<b>Colluvium:</b> undifferentiated sediments; slope deposits
7	<b>Alluvium:</b> primarily silt and clay, some sand and minor gravel; deposited by present day streams
<b>Proglacial</b>	
6,5,4	<b>Lacustrine sediments:</b> deposited in Glacial Lake Souris
6	<b>Basinal:</b> silt, usually >2m thick; includes minor areas of clay
5	<b>Littoral:</b> sand, medium to fine-grained; usually >2m thick; grades westward into deltaic sands
4b	<b>Deltaic:</b> sand and gravel, generally 2-4m thick overlying till; sediments are thicker and coarser to west and north
4a	<b>Deltaic:</b> sand, pebbly sand and local areas of fine gravel; where gravel occurs it is generally >1.5m thick and overlies till or sand
3c	<b>Meltwater channel:</b> subdued; sediment is till, somewhat modified by water erosion
3b	<b>Meltwater channel:</b> water eroded; sediments include till, cobble lag or minor sand and gravel accumulation
3a	<b>Meltwater channel:</b> sand and gravel, usually >2m thick, overlying till
<b>Glaciofluvial</b>	
2	<b>Esker:</b> sand and gravel, from 2-10m thick; material ranges from sand to cobble gravel
<b>Glacial</b>	
1	<b>Till plain:</b> deposited by ice from the northwest; includes areas of abundant doughnut mounds 1-3m high; unit includes organic deposits accumulating in depressions

	Meltwater streams: channels usually till floored with local accumulations of sand and gravel
	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: HB)
	Backhoe station: sample "s" (Site prefix in text: HA)
	Deposit number
	Gravel occurrence
	Aggregate Deposit
<b>Deposit Production Potential</b>	
	High
	Moderate
	Low
<b>Deposit Symbol</b>	
3c	Deposit type
12001	Deposit number
L	Production potential

