

AGGREGATE DEPOSITS IN THE  
RURAL MUNICIPALITY OF MORTON

Legend

QUATERNARY

POST GLACIAL

7 Swamp deposits; organic muck and peat

PROGLACIAL

6 Lacustrine deposits: formed in Glacial Lake Whitewater

6b >2m silt and clay; plan surface flat to gently rolling

6a <2m silt and clay over till, abundant circular ridges 1m high.

5 Meltwater stream deposits: formed primarily by meltwater from stagnating ice flowing off Turtle Mountain; includes alluvial fan and deltaic deposits.

5b predominantly sand and gravel

5a predominantly sand

GLACIAL

4 Ice contact sand and gravel: deposited between and over blocks of dead ice

3 Stagnation moraine:

3b till, hummocks up to 15 m high; includes organics and mud accumulating in Kettle lakes and sloughs.

3a till, on flanks of Turtle Mountain; includes colluvial and alluvial sediments, primarily sand, silt and clay.

2 Ground moraine:

2b till, rolling plain, relief 1 - 3 m

2a till, modified by water erosion, includes minor silt and clay.

1 Corrugated moraine: till, subcarate ridges, concave northwest, relief 1 - 5 m; includes organic deposits.

Symbols

--- Beach ridge

||| Meltwater channel

→ Meltwater stream

⋈ Sand and gravel pit

× Bedrock outcrop

• 900 Field station; sample - S  
(Site number prefix: HO)

• 400 Backhoe station; sample - S  
(Site number prefix: HB)

• 001 Till section; sample - S  
(Site number prefix: HT)

11701 Deposit number

REFERENCES:

Elson, J.A.,  
1961: Surficial geology, Virden, Manitoba and Saskatchewan;  
Geological Survey of Canada, Map 39-1961.

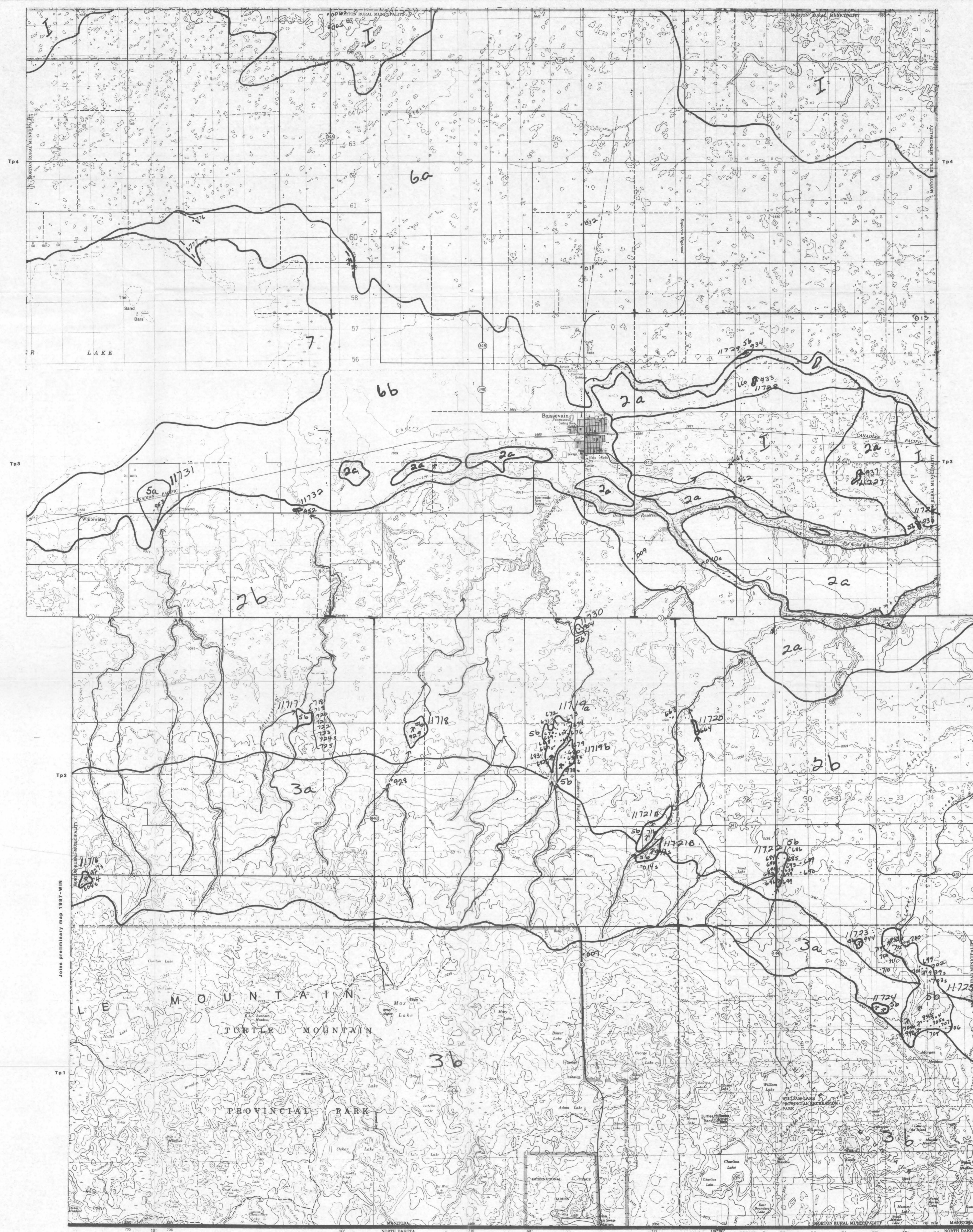
Groom, H.D.,  
1987: Aggregate resources in the Rural Municipalities  
of Winchester and Morton; Manitoba Energy and Mines,  
Report of Field Activities.

Geology by  
H.D. Groom, 1987



Scale 1:50 000

KILOMETRES 0 1 2 3 4 5 KILOMETRES



Johns preliminary map 1987-WIN

This map is a provisional summary of work carried out during the summer field season and is printed directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.