



# Surficial geology of Nejanilini Lake, Manitoba (parts of NTS 64P5, 12 and 13)

## LEGEND

### Quaternary

#### Post-glacial

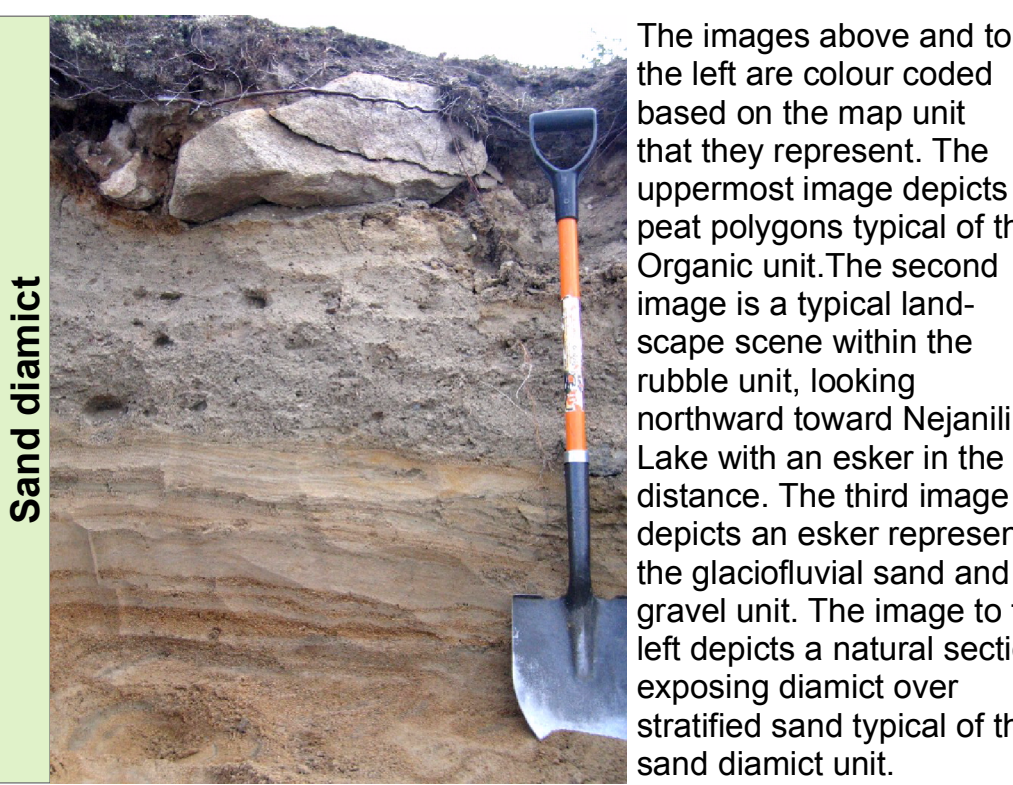
- Alluvium; mud to boulder gravel, greater than 1 m thick
  - Beach; sand, generally associated with nearby glaciofluvial deposit
  - Organic; wetlands composed of peat, greater than 1 m thick, permafrost typically within 1 m of surface
- #### Glacial
- Glacial rubble; glacially derived angular boulders, featureless plane to randomly oriented ridges
  - Glaciofluvial boulder gravel; eskerine deposits, commonly clast-supported gravel
  - Glaciofluvial sand and gravel; eskers, with associated fans and debris flows, up to 20 m thick, meandering from north to south commonly in tunnel channels, in part covered by rounded boulders
  - Sand diamict; silty, very fine sand matrix, generally less than 1.5 m thick overlying stratified sand outwash, streamlined from north to south, abundant, typically rounded boulders on surface, sometimes armoured

### Pre-Quaternary

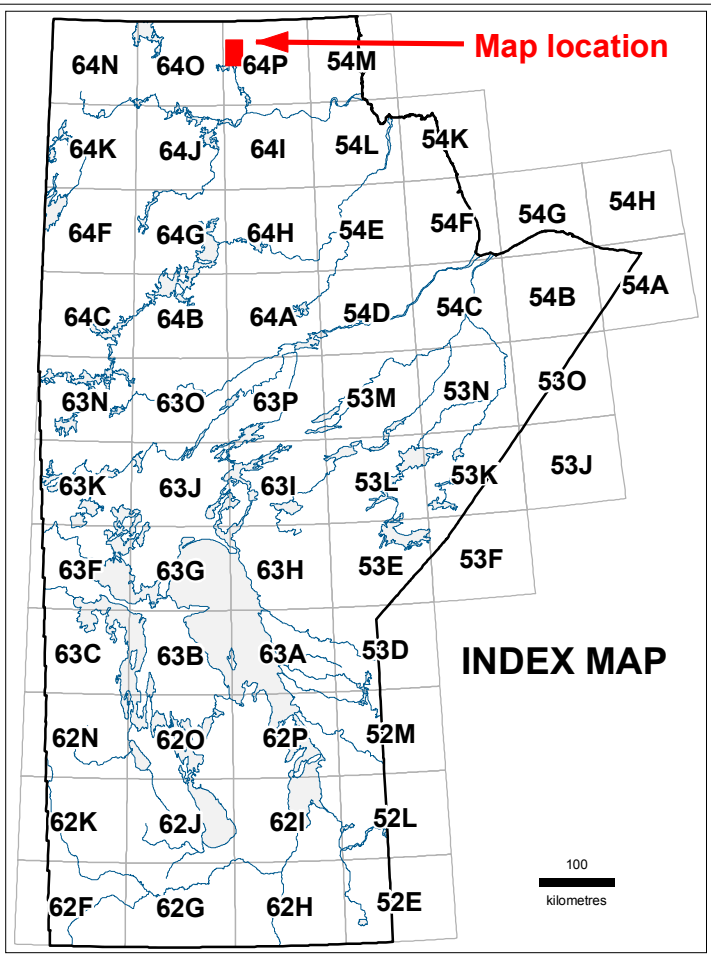
- Bedrock; greater than 75% outcrop, commonly frost heaved and shattered (felsenmeer), numerous boulders scattered on surface.

## SYMBOLS

- Minor esker
- Tunnel channel
- De Geer moraine
- Escarpment
- Drumlin
- Glacial striation
- Rock outcrop



The images above and to the left are colour coded based on the map unit that they represent. The uppermost image depicts peat polygons typical of the Organic unit. The second image is a typical landscape scene within the rubble unit, looking northward toward Nejanilini Lake with an esker in the distance. The third image depicts an esker representing the glaciofluvial sand and gravel unit. The image to the left depicts a natural section exposing diamict over stratified sand typical of the sand diamict unit.



Geology by:  
G.L.D. Matile (2005)

Published by:  
Manitoba Industry, Economic Development and Mines  
Manitoba Geological Survey, 2005

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

SUGGESTED REFERENCE  
Matile, G.L.D. 2005: Surficial geology of Nejanilini Lake, Manitoba (parts of NTS 64P5, 12 and 13); Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, Preliminary Map PMAP2005-4, scale 1:35 000.

