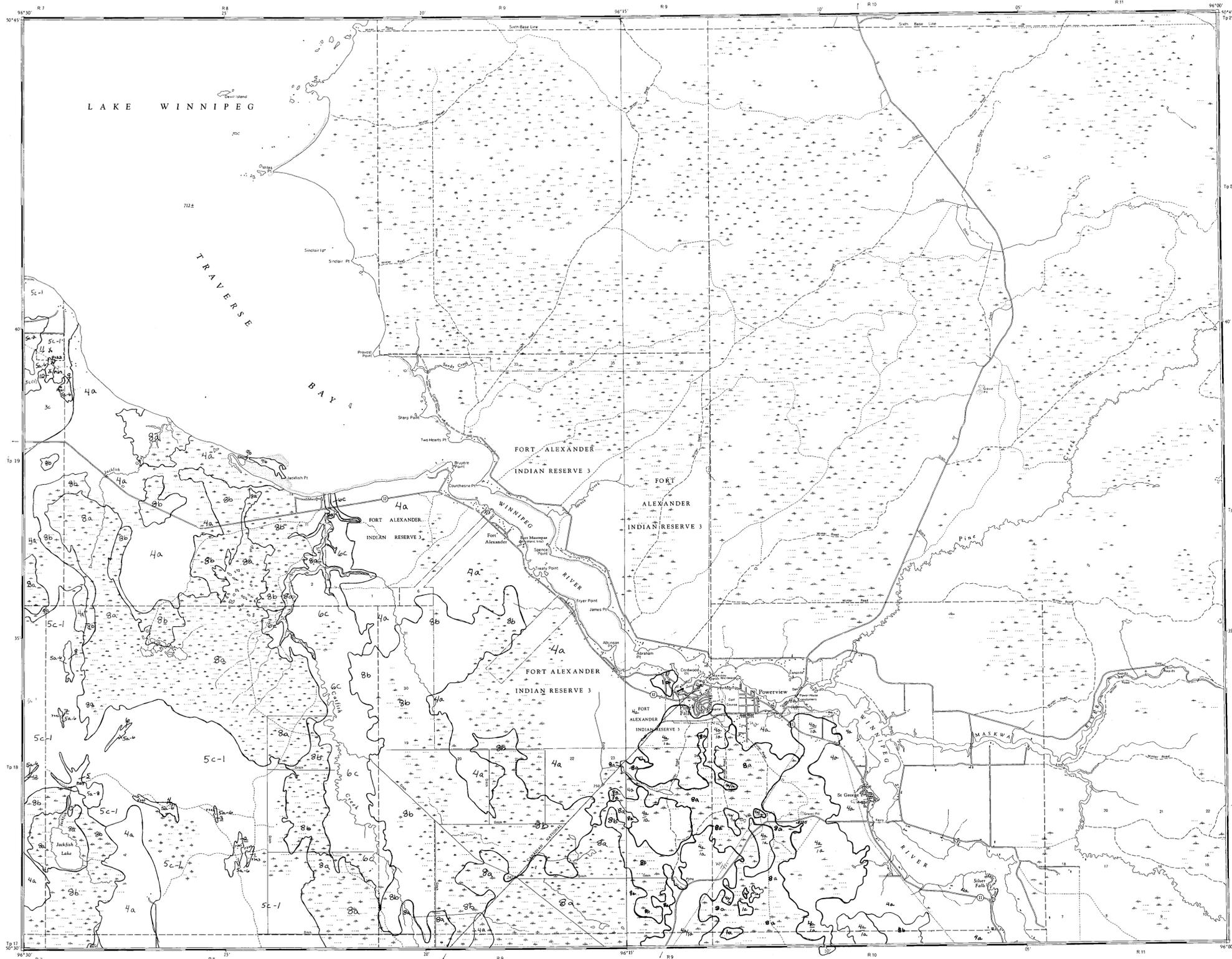


**QUATERNARY GEOLOGY OF THE  
WINNIPEG REGION**



**Legend**

- Postglacial**
- 9a Recent shorelines (cont)
  - 9b Beach sediments (silt)
  - 9c Dry swamp (peat)
  - 7 Bolson sand
  - 6 Alluvium (1) clayey silt
  - 5) sandy silt
  - 4) gravel
- Glaciolacustrine and Late Glacial**
- 5c Sand plain
  - 1) without boulder, cobble or pebble lag
  - 2) with boulder, cobble or pebble lag
  - 5b Littoral sand, shorelines - beach ridges composed of sand
  - 5a Beach ridges composed of gravel or thick lag concentrates
  - 1) sandy coarse pebble gravel
  - 2) sandy fine pebble gravel
  - 3) sandy pebble gravel
  - 4) coarse pebble gravel
  - 5) fine pebble gravel
  - 6) gravelly sand
  - 7) sandy cobbleless
  - 8) cobbly sand
  - 4b Silt rich or pebble rich clay
  - 4a Siltstone clay
- Glacial and Glaciolacustrine**
- 3c Indifferentiated sandy till
  - 3b Predominantly calcareous outwash and esker sediments
  - 1) coarse cobble pebble gravel
  - 2) interbedded silt and pebble gravel
  - 3) interbedded sand and pebble gravel
  - 4) sand with minor gravel
  - 3a Silty calcareous till
  - 2b Crystalline and calcareous outwash and esker sediments
  - 1) coarse cobble pebble gravel
  - 2) interbedded silt and pebble gravel
  - 3) interbedded sand and pebble gravel
  - 4) sand with minor gravel
  - 2a Sandy calcareous till
- Bedrock**
- 1b Paleozoic limestone bedrock with zones of weathered drift
  - 1a Precambrian crystalline bedrock with zones of weathered drift

**Symbols**

- X gravel pit
- ~ sand ridge
- deposit number
- station number

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1976 and 1977

REFERENCES: Underwood, Milligan and Associates, 1976, Aggregate Resources of the Winnipeg Region, prepared for the Mineral Resources Division.  
Large, P. and Ringrose, S., 1977, Pleistocene Geology of the Winnipeg Region, in WMS Report of Field Activities, 1976.  
Ringrose, S., Large, P. and Owsaka, F., 1977, in Major Gravel Bearing Pleistocene Deposits in the Winnipeg Region, in: Man. Min. Res. Div. Report of Activities, 1977.



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.

