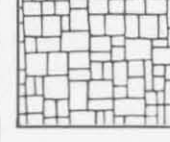



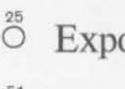
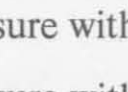
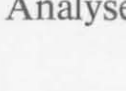

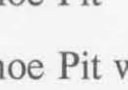

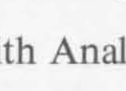
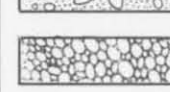
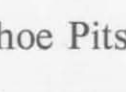
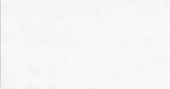
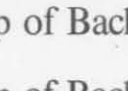
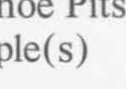
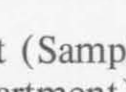
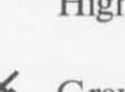
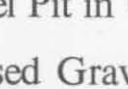
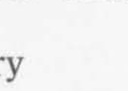



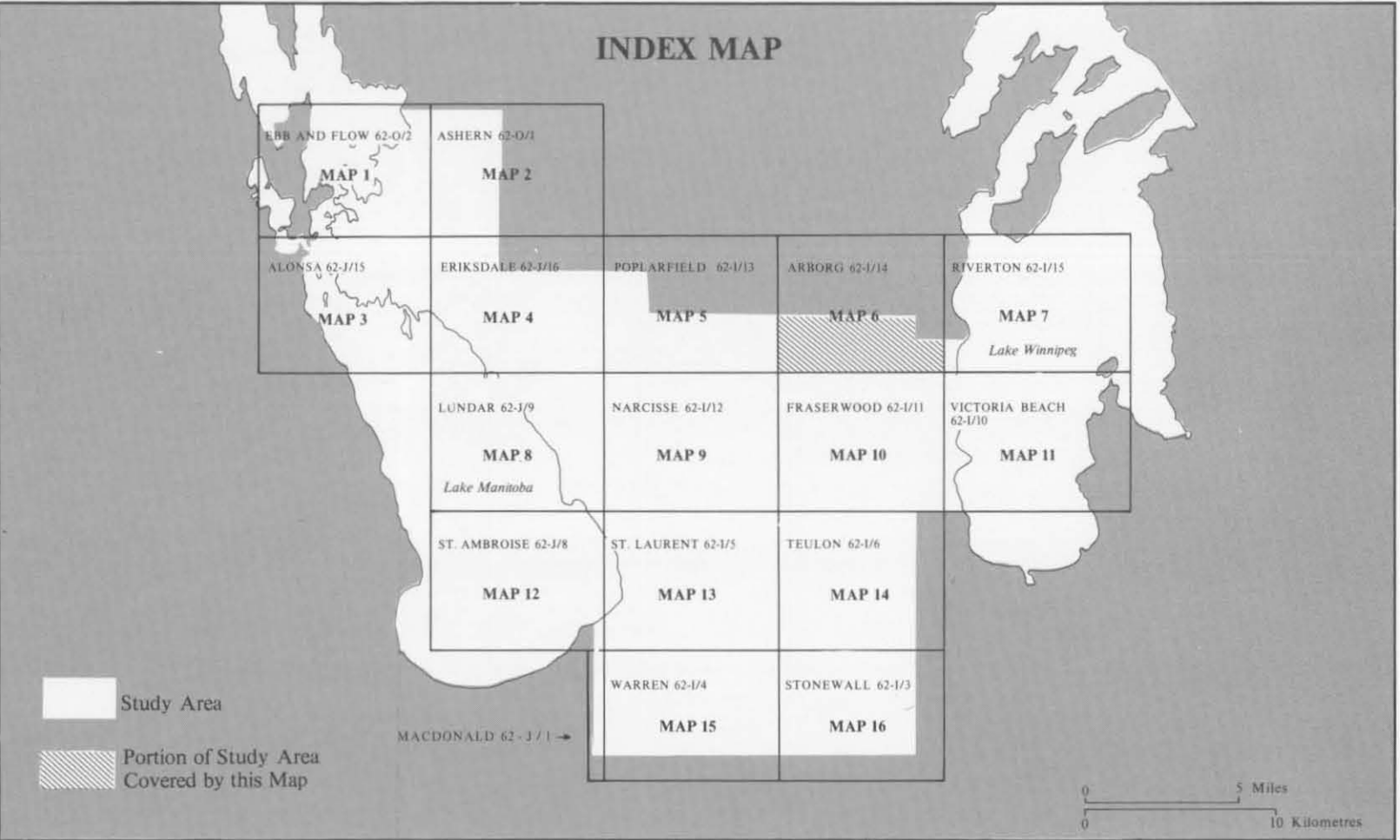


QUATERNARY GEOLOGY AND
AGGREGATE INVENTORY

| LITHOLOGY | MORPHOLOGY |
|--|--|
|  Bedrock Outcrops or Bedrock with Shallow and Discontinuous Overburden (usually Limestones, Dolostones and Related Rocks) | LP1A Lacustrine Plains |
|  Lithological Boundary of Unconsolidated Deposits | Bsw Shoreline Identification |
| |  Approximate Shorelines |
| | FG Fluvial and Fluvio-Glacial Deposits |
| | TP1 Till Plain |

| AGGREGATE RESOURCES | |
|---|---|
|  Deposits with Isopachytes (Interval: 1 metre) |  Exposure |
| 4534 Deposit Number |  Exposure with Sample |
| |  Exposure with Analysed Sample |
|  Medium and Coarse Sand |  Backhoe Pit |
|  Sand and Gravel |  Backhoe Pit with Sample |
|  Gravel and Sand |  Backhoe Pit with Analysed Sample |
|  Gravel |  Group of Backhoe Pits |
| |  Group of Backhoe Pits with Sample(s) |
| |  Group of Backhoe Pits with Analysed Sample(s) |
| |  Sampling Point (Sample Analysed by Highways Department) |
| H High |  Gravel Pit in Use |
| M Medium |  Disused Gravel Pit |
| L Low |  Quarry |
|  Resistivity Profile |  Till Pit |

| QUATERNARY STRATIGRAPHY | | | | | |
|-------------------------|---|--|--|--|-----------|
| Evolution of the Lakes | Beaches and Shorelines (with Associated Lake) | Lacustrine Plains and Associated Deposits | Till Plains | Fluvial and Fluvio-Glacial Deposits | |
| Present Lakes | Present Beaches Bsw (Lake Winnipeg) Bsm (Lake Manitoba) Bsd (Dog Lake) Bsh (Shoal Lake) Gimli-Oak Point Stage B7m (Lake Manitoba) B7d (Dog Lake) B7sh (Shoal Lake) B7w (Lake Winnipeg) B6m (Lake Manitoba) | LP4 LP3m (Lake Manitoba) LP3d (Dog Lake) LP3sh (Shoal Lake, 1 Lake) LP3w (Lake Winnipeg) LP2w (Lake Winnipeg) | TP7 | | |
| Proto Lakes | Teulon II Stage Teulon I Stage St. Laurent Stage | B6w (Lake Winnipeg?) B5w (Protolake Winnipeg) B5m (Protolake Manitoba) | LP1A (Lake Agassiz and/or Protolakes) | TP6 | FG |
| Transitional Period | Lundar Stage | B4A (Lake Agassiz) | | TP5 | |
| Lake Agassiz | Lake Francis Stage | B3A (Lake Agassiz) | | TP4 | |
| | Narcisse Stage | B2A (Lake Agassiz) B1A (Lake Agassiz) | Mainly Buried Deposits, also Shallow and Discontinuous Sediments over Till Plains, Washed Till | TP3 TP2 TP1 | |
| | Pre-Narcisse | All Beaches occurred out of the Study Area | | | |



BASE MAP: National Topographic Series, Department of Energy, Mines and Resources, Ottawa, Map No. 62-3/14

