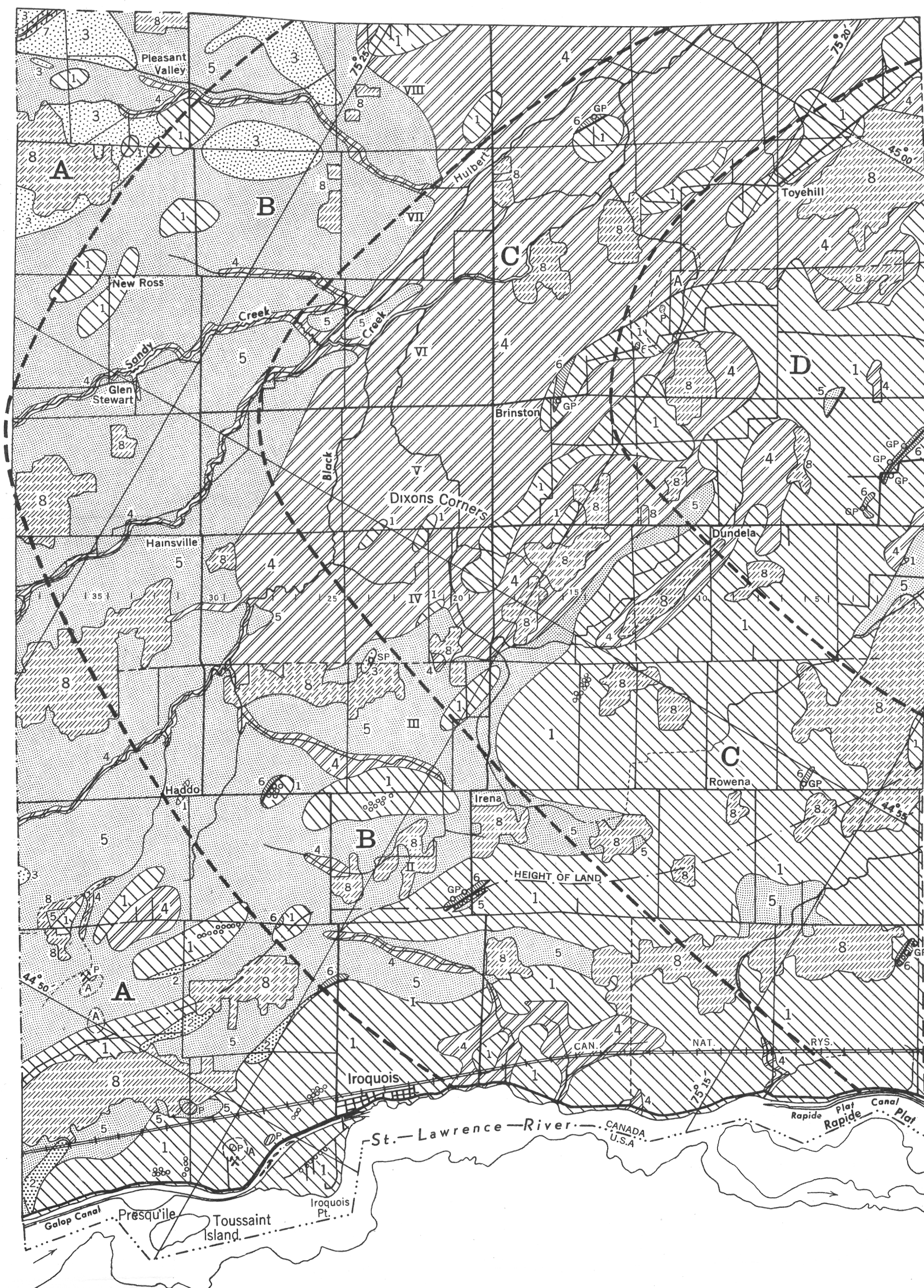
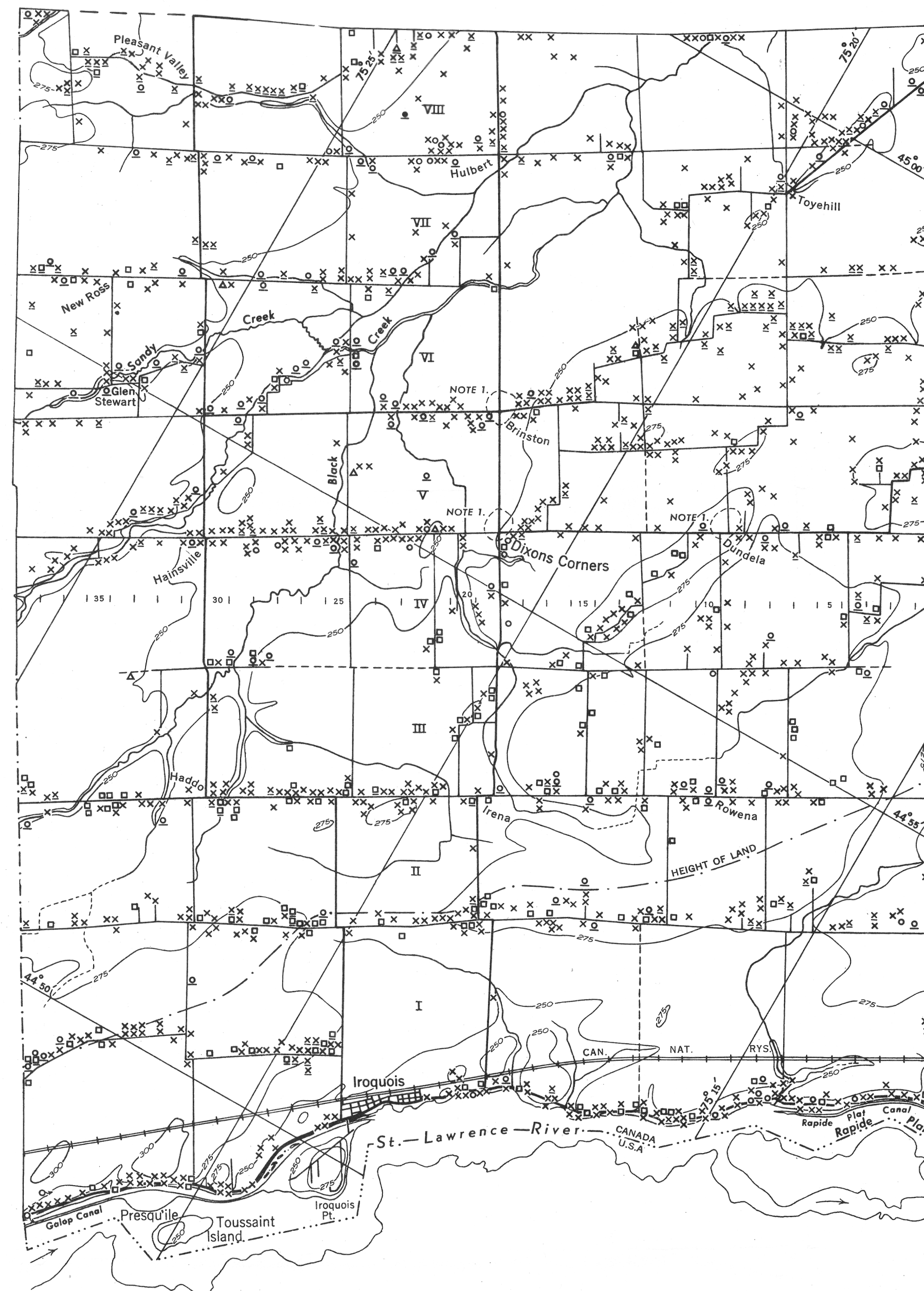


FIGURE 1
MAP SHOWING SURFACE DEPOSITS AND BEDROCK FORMATIONS



- LEGEND**
SURFACE DEPOSITS
- QUATERNARY**
- RECENT**
- SWAMP DEPOSITS
 - Muck
- ALLUVIAL DEPOSITS**
- Clay, silt, sand, and gravel
- PLEISTOCENE**
- MARINE BEACH DEPOSITS**
- Sand and gravel; may include some freshwater deposits
- MARINE DEPOSITS**
- 4, clay; may include some freshwater deposits
 - 5, silt and sand; may include some freshwater deposits
- GLACIO-FLUVIAL DEPOSITS**
- Kame; predominately sand, some gravel
- GLACIAL DEPOSITS (1, 2)**
- Water-worked till; clay till with a large proportion of the finer material washed away; surface deposits, mainly sand and gravel
 - Clay till
- BEDROCK FORMATIONS**
- ORDOVICIAN**
- D** OTTAWA FORMATION: Pamela beds; limestone, dolomite, shale, and thin-bedded sandstone
 - C** ST. MARTIN FORMATION: limestone; minor shale and dolomite
 - B** ROCKCLIFFE FORMATION: grey-green shale with lenses of grey sandstone
 - A** OXFORD FORMATION: grey limestone, magnesium limestone and dolomite
- CHAMPLAIN SEA DEPOSITS**
- Boulder accumulation, the frequency of 'o's indicates the relative number of boulders present on surface
 - Emerged marine shoreline
 - Gravel pit
 - Sand pit
 - Boundary of Bedrock formation
 - Outcrop
 - Area with bedrock occurring approximately 10 feet from surface, includes small outcrops too small to be plotted
 - Quarry
- Geology by E.B. Owen, 1949

FIGURE 2
MAP SHOWING TOPOGRAPHY AND LOCATION AND TYPE OF WELLS



- LEGEND**
- WELLS, CLASS 1.** Flowing artesian wells, in which the water is under sufficient pressure to raise it above surface level
 - In drift
 - In bedrock
 - WELLS, CLASS 2.** Non-flowing artesian wells, in which the water is under pressure but does not rise to the surface
 - In drift
 - In bedrock
 - WELLS, CLASS 3.** Non-artesian wells; in which the water does not rise above the water-table
 - In drift
 - In bedrock
 - WELLS, CLASS 4.** Intermittent, non-artesian wells, which dry up intermittently
 - In drift
 - In bedrock
 - DRY HOLES**
 - In drift
 - In bedrock
 - SPRINGS**
 - In drift
 - In bedrock

NOTE 1. Within the areas outlined about Brinston, Dixons Corners and Dundela, the wells are too closely spaced to be shown on this map.

Contours, interval 25 feet
Concession and lot number

MATILDA TOWNSHIP
DUNDAS COUNTY
ONTARIO

Scale: One Inch to One Mile = $\frac{1}{63,360}$

