



LEGEND

W.R.B. REGIONAL HYDROSTRATIGRAPHIC TEST HOLE ●
WATER SUPPLY TEST HOLE (SELECTED) ○
W.R.B. GROUNDWATER MONITORING STATION ■
G.S.C. TEST HOLE □
G.S.B. STRATIGRAPHIC TEST HOLE ◇
OIL EXPLORATION HOLE ◆
MINERAL EXPLORATION HOLE ■
PIEZOMETER NEST ●

A --- A' HYDROSTRATIGRAPHIC SECTION LINE

W.R.B. — Manitoba Water Resources Branch
G.S.B. — Manitoba Geological Services Branch
G.S.C. — Geological Survey of Canada

NOTE:

WILSON CREEK EXPERIMENTAL WATERSHED

In 1957 the Wilson Creek watershed was selected as an experimental site for research into runoff and erosion control for streams flowing off the Manitoba Escarpment. Numerous studies have been conducted within the watershed since that time including studies of flood frequency, meteorology, hydrology, hydrogeology, sediment transport and erosion control. Hydrogeologic studies have included the construction of more than 40 piezometer nests, examination of groundwater geochemical development, baseflow separation of streamflow to derive the groundwater contribution of flow and construction of a 3-dimensional groundwater flow model.

On the scale of this study, it is difficult to show the detail of information available within the watershed. The reader is therefore referred to the original publications. A summary of the work carried out in the watershed and relevant publications is given in the 1983 report "Summary Report of the Wilson Creek Experimental Watershed Study 1957-1982" by the Wilson Creek Headwater Control Committee. This report is available from the Manitoba Water Resources Branch.

ACKNOWLEDGEMENTS:

This publication is an update of an earlier Groundwater Availability report for the Neepawa map sheet area, prepared by J. Little and published in 1972. Figures 1 through 5 and Table 1 have been modified from the earlier publication using new data which has become available. Figures 6, 7 and 8 are new. The author acknowledges with appreciation the original work by J. Little.

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PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

GROUNDWATER AVAILABILITY STUDY NEEPAWA AREA

LOCATION PLAN FIGURE 1

Town.....Ville.....
Village or Settlement.....Village ou hameau.....
Post Office.....Bureau de poste.....
Church.....Eglise.....
School.....École.....
Boundary monument.....Borne frontalière.....
Horizontal control point.....Point géodésique.....
Stream.....Cours d'eau.....
Intermittent or dry.....intermittent ou à sec.....
Intermittent lake.....Lac intermittent.....
Rapids or falls.....Rapides ou chute.....
Marsh or swamp.....Marais ou marécage.....
Lighthouse.....Phare.....
Airport.....Aéroport.....
Seaplane base.....Base d'hydravions.....

Index to adjoining sheets of National
Topographic System
Tableau d'assemblage du Système
National de référence cartographique