CANADA
DEPARTMENT OF MINES AND RESOURCES
MINES, FORESTS AND SCIENTIFIC SERVICES BRANCH
GEOLOGICAL SURVEY OF CANADA

## LEGEND
### SURFACE DEPOSITS

CENOZOIC

**PLEISTOCENE AND RECENT**

*ALLUVIUM: clay, silt, sand, and gravel*

**PLEISTOCENE**

6 — *WATER-WORKED TILL and shallow water-laid deposits of silt, sand and gravel*

5 — *GLACIAL-LAKE CLAY with associated silt*

4 — *GLACIAL-LAKE SAND with associated silt*

3 — *DELTAIC GRAVEL and outwash gravel*

2 — *GROUND MORAINE: boulder clay with lenses of sand and gravel; topography gently undulating*

1 — *RECESSIONAL MORAINE: boulder clay, silt, sand and gravel; topography rolling and irregular*

*Gravel pit, in use or abandoned*

*Escarpment, edge of river terrace*

*Geological boundary (approximate)*

### BEDROCK FORMATIONS

CENOZOIC

**TERTIARY**

*TURTLE MOUNTAIN FORMATION: clay, sand, sandstone and coal; underlies area south of Boissevain sandstone*

MESOZOIC

**CRETACEOUS OR TERTIARY**

*BOISSEVAIN SANDSTONE: sand and sandstone*

**CRETACEOUS**

*RIDING MOUNTAIN FORMATION: grey and greenish siliceous shale; underlies area north of Boissevain sandstone,*

*Observed rock exposure*

*Geological boundary*

FIGURE 1
MAP SHOWING SURFACE DEPOSITS AND BEDROCK GEOLOGY

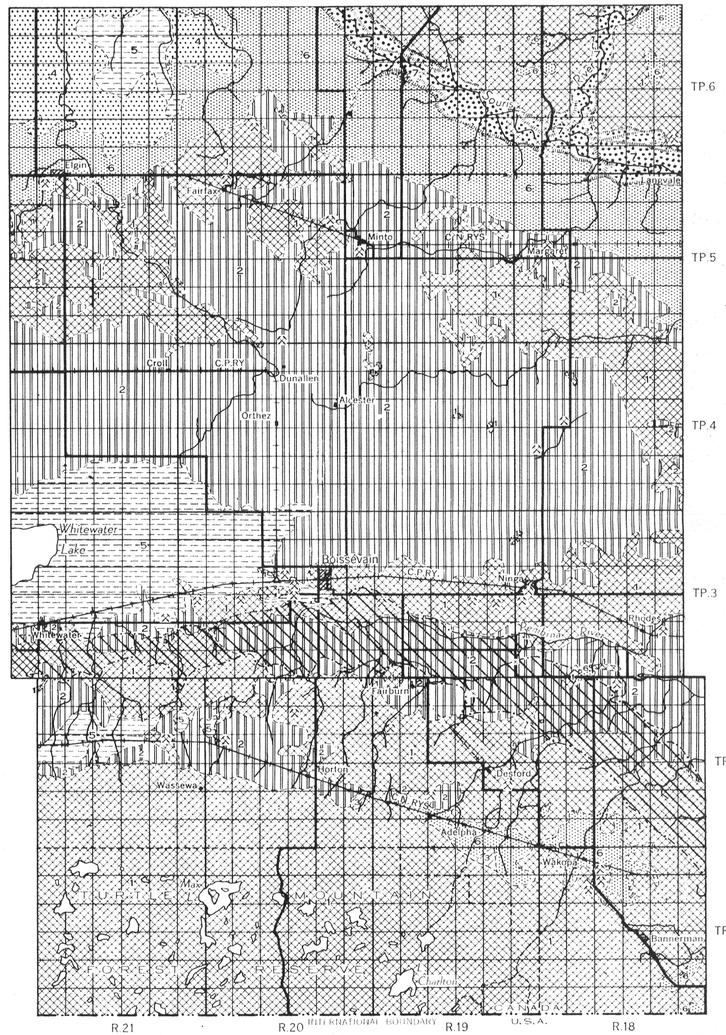
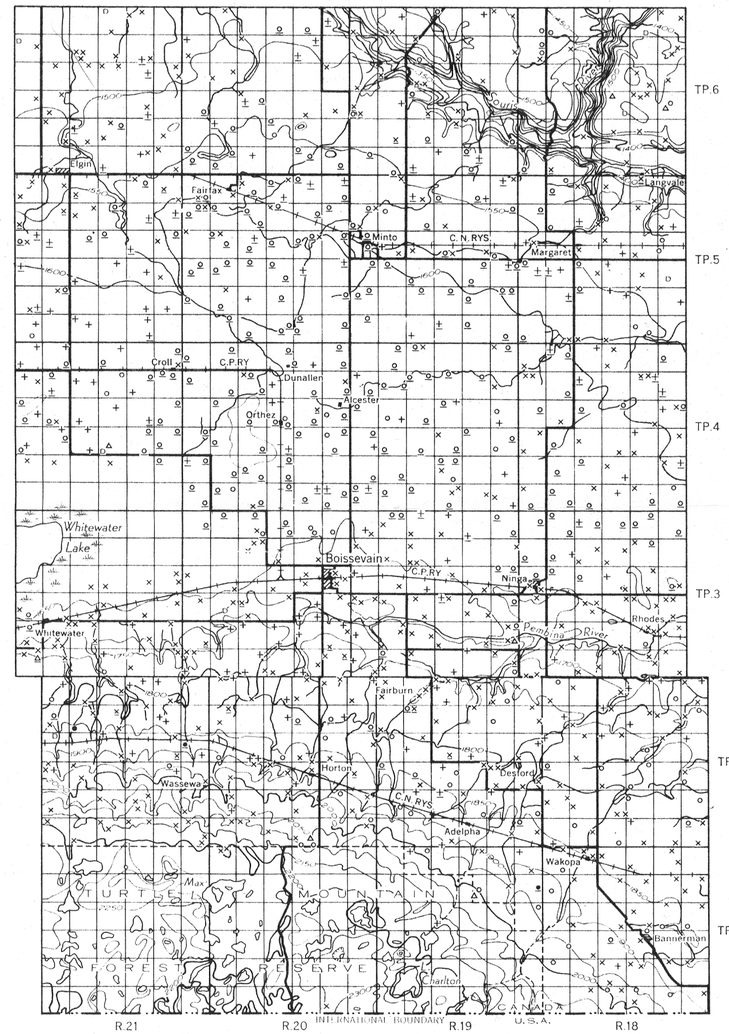



FIGURE 2
MAP SHOWING TOPOGRAPHY AND THE LOCATION AND TYPES OF WELLS




## LEGEND

*Well, Class 1. Flowing artesian—water rises above the ground surface*

*Well, Class 2. Sub-artesian—the water is under pressure but does not rise above the ground surface*

*Well, Class 3. Non-artesian—the water does not rise above the level of the water table*

*Well that produces water, but for which information is scant or lacking*

*Dry hole*

*Farm wholly dependent on dugouts and or wells whose supply is seepage from a dugout, for its water supply*

*NOTE 1. A short dash under any symbol indicates that that well is in bedrock*

*Road*

*Railroad*

*Contours (interval 50 feet)*

TOWNSHIPS 1-6, RANGES 18-21
WEST OF PRINCIPAL MERIDIAN
MANITOBA

Scale: 1 inch to 4 miles

4 0 4 8 12

*To accompany Water Supply Paper No. 301*
*by E. C. Halstead and J. A. Elson.*

*Cartography by the Geological Mapping Division 1949.*

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