

LEGEND

- CENOZOIC**
- TERTIARY**
 - PASKAPOO FORMATION:** light grey sandstone, grey, in part carbonaceous, shale; small amounts of siliceous limestone and volcanic dust; coal seams
 - CRETACEOUS**
 - UPPER CRETACEOUS**
 - EDMONTON FORMATION:** grey bentonitic sand and sandstone, grey and greenish shale; coal seams
 - BEARPAW FORMATION:** grey shale in part bentonitic, brown and green sand
 - PALE AND VARIEGATED BEDS:** light grey, bentonitic sand, grey, yellowish and dark carbonaceous shale; thin coal seams
 - MESOZOIC**
 - BIRCH LAKE FORMATION:** brownish and yellowish weathering sand and sandstone, thin-bedded sand and shale; discontinuous oyster bed at base
 - GRIZZLY BEAR FORMATION:** dark grey shale, thin sand beds; lower part bentonitic
 - RIBSTONE CREEK FORMATION:** grey and greenish sand and sandstone, shale and sandy shale; thin coal seams and carbonaceous shale
 - LEA PARK FORMATION:** dark grey shale; one thick sand bed in Ribstone area

NOTE: Only those formations that occur in this map-area are patterned in the legend. The other formations occur elsewhere in east-central Alberta.

- Geological boundary (approximate)
- Rock outcrop
- Bore-hole for oil and gas B.H.o
- Coal mine

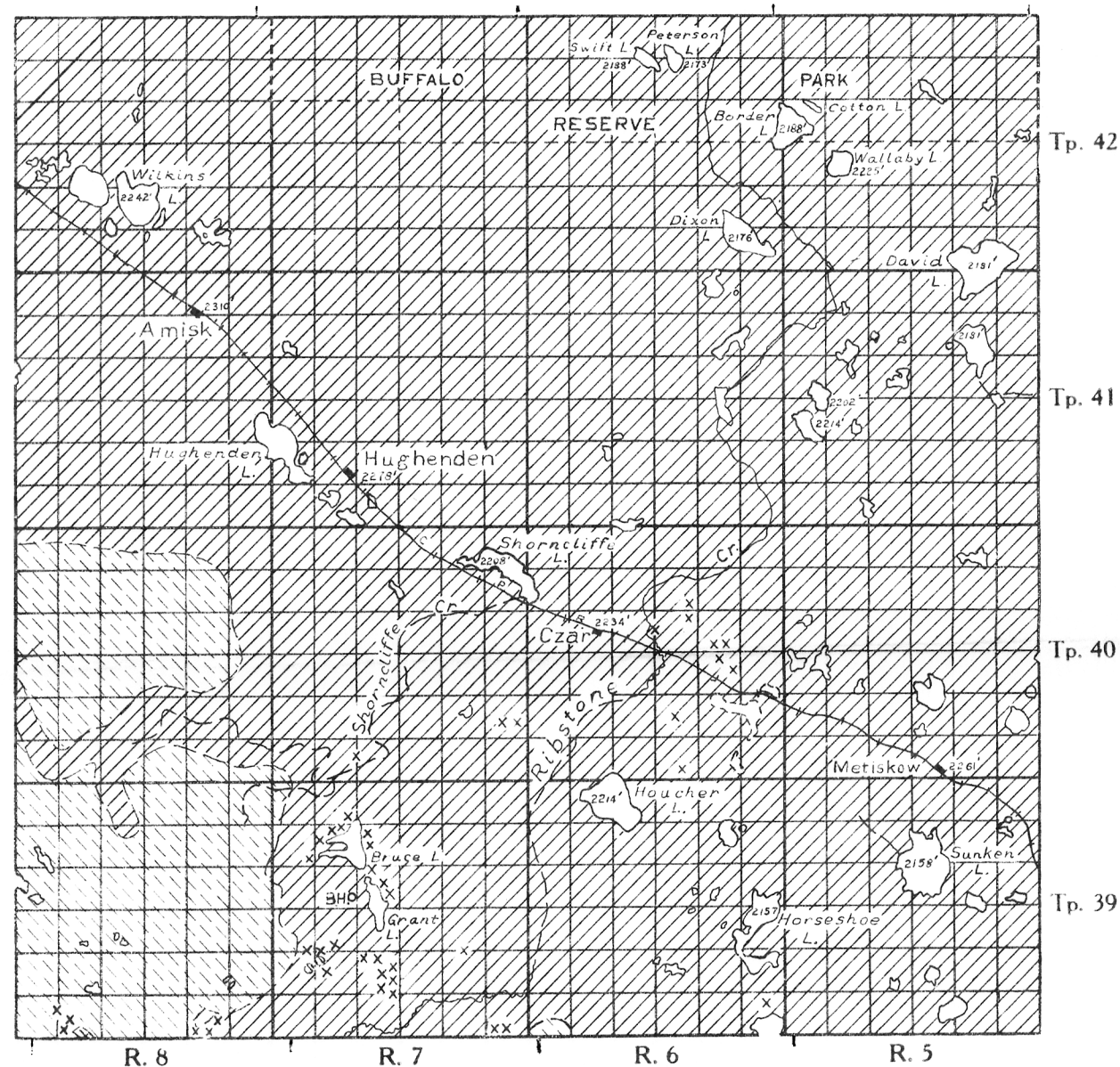


FIGURE 1. MAP SHOWING BEDROCK GEOLOGY

LEGEND

- WELL, CLASS 1: Flowing wells**
 - In Drift (circle with dot)
 - In Bedrock (circle with dot)
- WELL, CLASS 2: Wells in which the water is under pressure but does not rise to the surface**
 - In Drift (circle with dot)
 - In Bedrock (circle with dot)
- WELL, CLASS 3: Wells in which the water does not rise above the water-table**
 - In Drift (circle with x)
 - In Bedrock (circle with x)
- DRY HOLES**
 - In Drift (triangle with dot)
 - In Bedrock (triangle with dot)
- SPRING** (circle with o)

NOTE: The above symbols apply to a larger region in east-central Alberta, and may not all appear within the limits of this municipality.

- Forest Reserve boundary
- Indian Reserve boundary
- Height in feet above mean sea level 2068'
- Contours, interval 50 feet

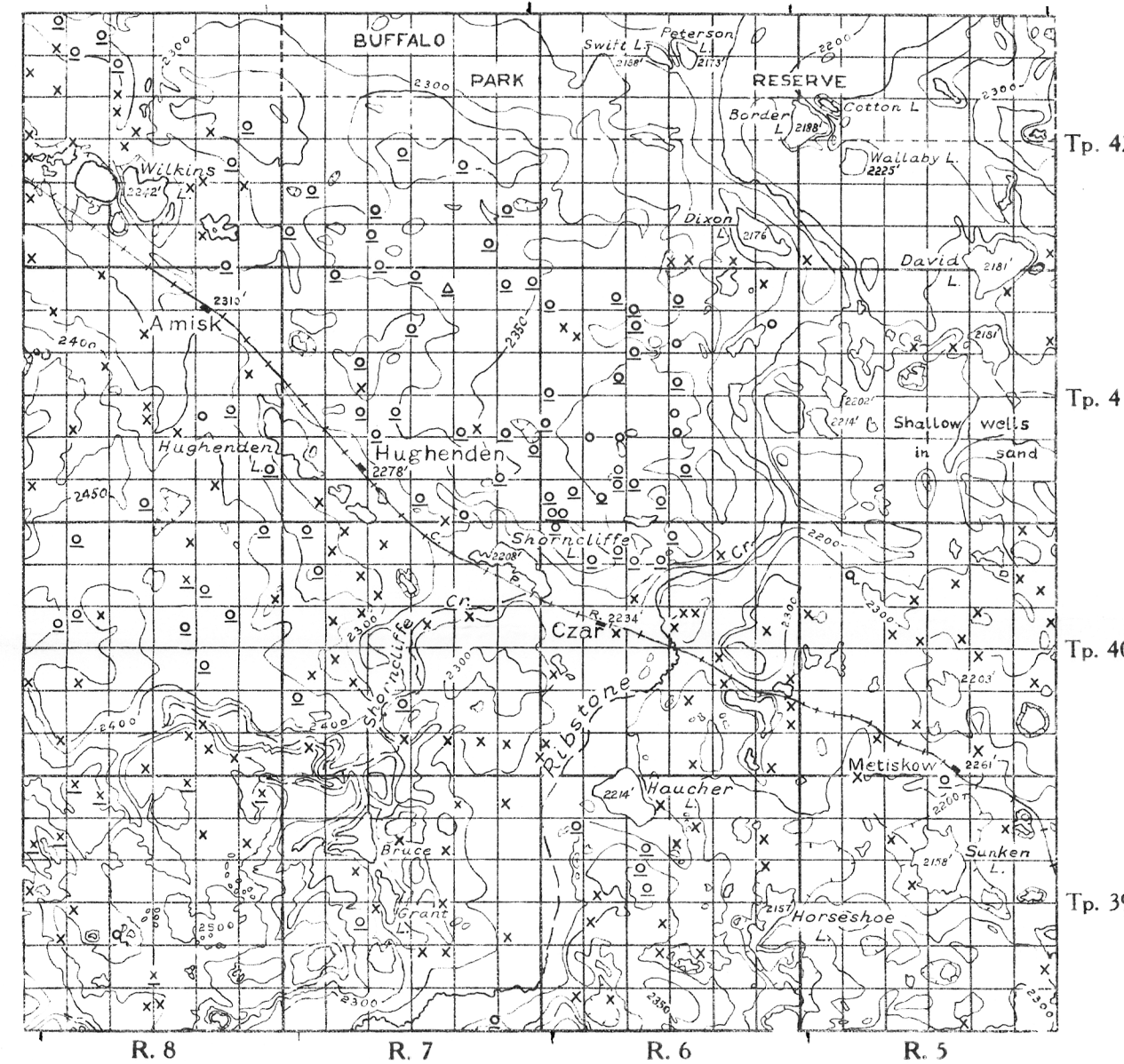


FIGURE 2. MAP SHOWING TOPOGRAPHY AND THE LOCATION AND TYPES OF WELLS

WATER SUPPLY PAPER 269

TOWNSHIPS 39-42, RANGES 5-8
WEST OF FOURTH MERIDIAN
ALBERTA

Scale:- 1 inch to 4 miles

