

AREAL GEOLOGY OF SHERMAN COUNTY, KANSAS

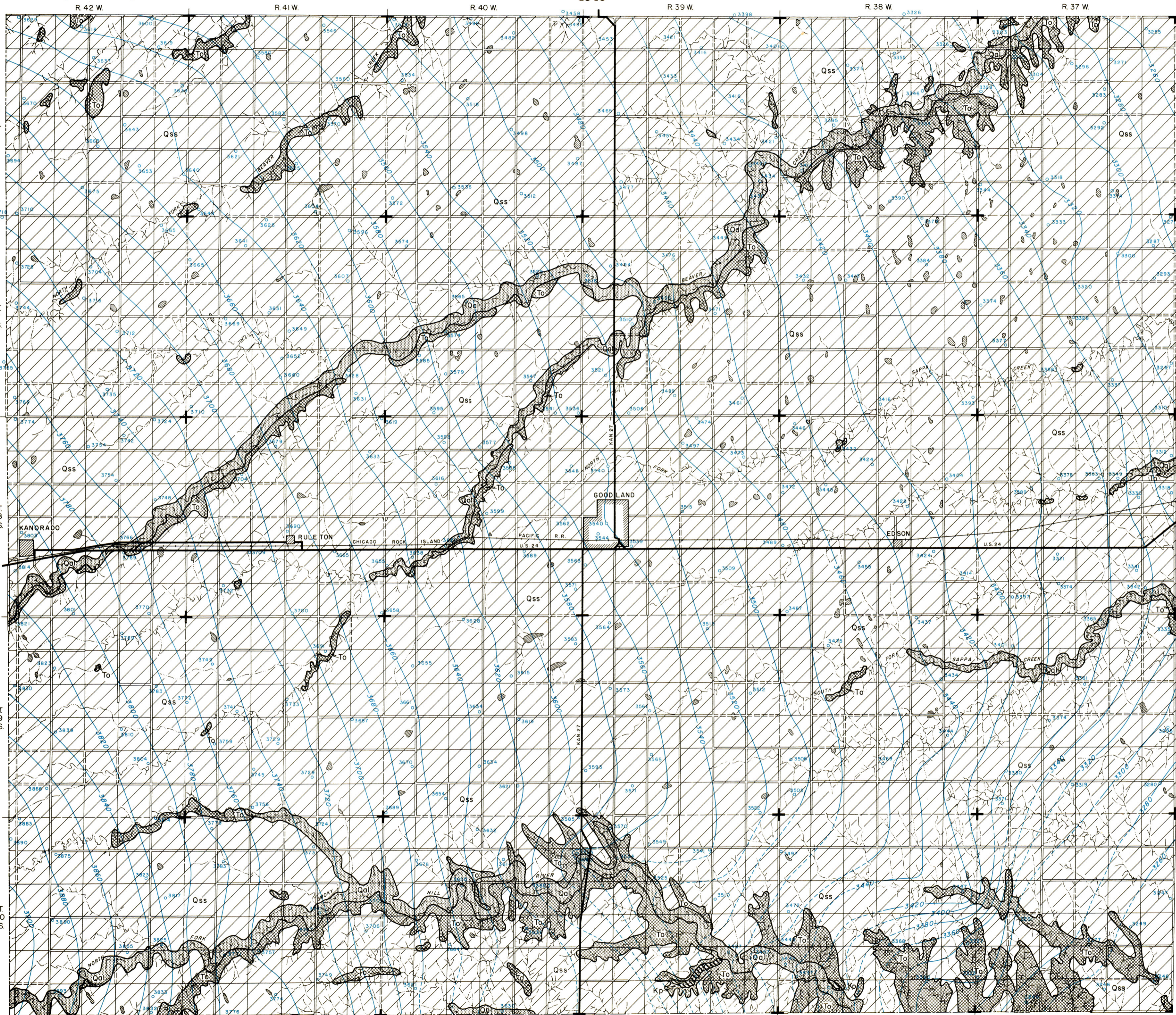
With Water-Table Contours

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Plate 1

State Geological Survey
of Kansas



EXPLANATION

- Qal**
Alluvium
Consists of sand, gravel, and silt along most of the stream valleys. Commonly above the water table except along portions of Beaver Creek and North Fork Smoky Hill River, where it yields moderate amounts of water to wells.
 - Qss**
Sauborn formation
Consists of tan to reddish-brown silt and in places contains much very fine sand. Lies above the water table and yields no water to wells.
 - To**
Ogallala formation
Consists of sand, gravel, and silt; predominantly calcareous. The material may be consolidated or unconsolidated. Yields moderate to large supplies of water to wells in most of the county.
 - Kp**
Pierre shale
Consists of dark-gray to black shale. Possibly yields a small amount of water to a few wells in southern Sherman County.
- Well location. Number refers to altitude of water level**
- Water-table contours based on instrumental levels (dashed where water table is discontinuous)**
- Contour interval 20 feet**
- Federal or State Highway**
 - Graded road**
 - Ungraded road**
 - Railroad**
 - State line (no road)**
 - County line (no road)**
 - Township line (no road)**
 - Section line (no road)**
 - Intermittent stream**
 - Intermittent lake or pond**

QUATERNARY
 TERTIARY
 CRETACEOUS
 PLEISTOCENE
 PLEIOCENE
 GULFIAN



Base modified from map prepared by State Highway Commission of Kansas

Drainage from map prepared by U. S. Dept. of Agriculture