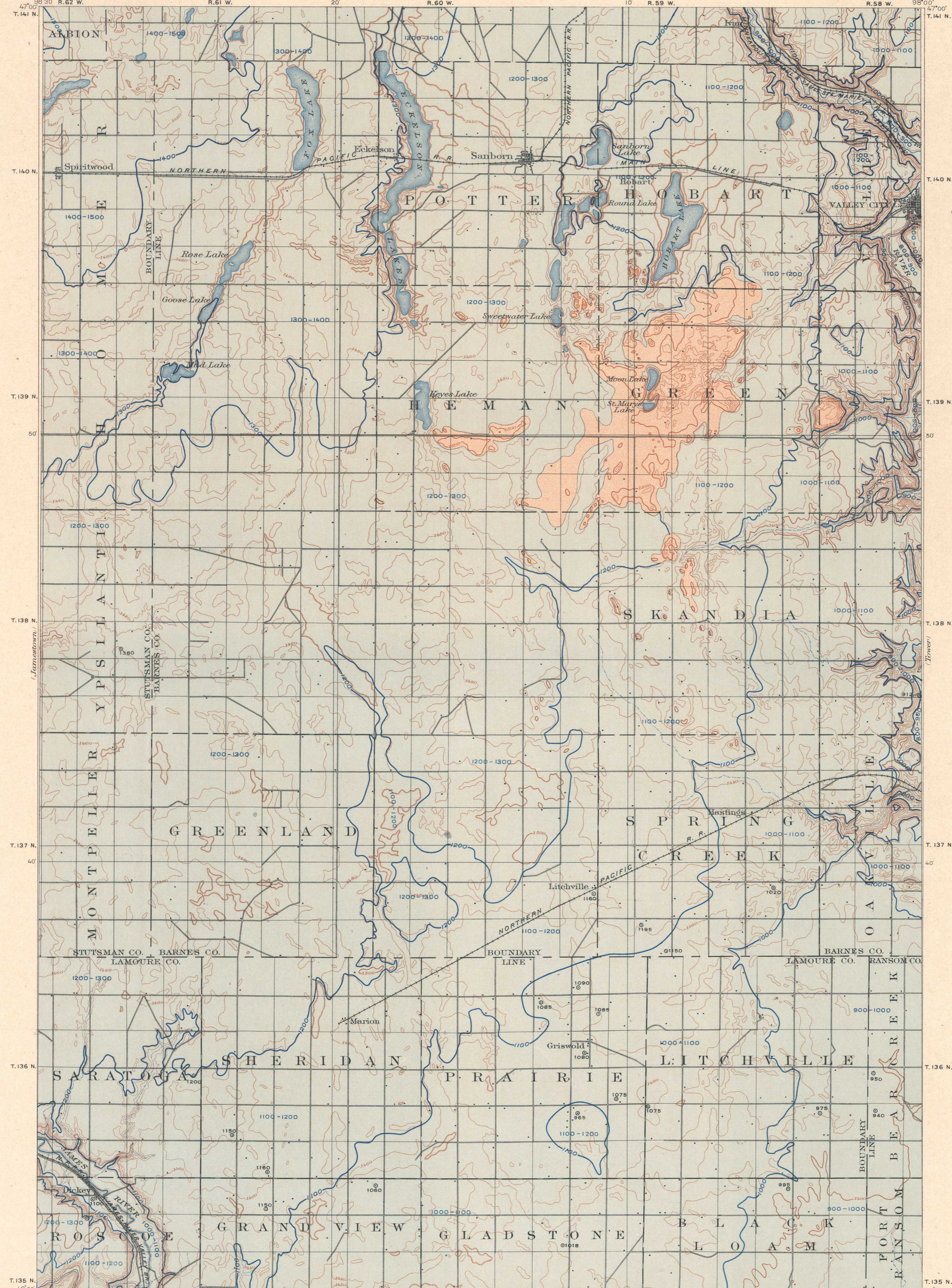


U.S. GEOLOGICAL SURVEY
 GEORGE OTIS SMITH, DIRECTOR

ARTESIAN WATER

NORTH DAKOTA
 ECKELSON QUADRANGLE



LEGEND

- Area in which Cretaceous sandstone will probably yield flowing wells
- Depth to top of water-bearing Cretaceous sandstones
(flow maps in general, be expected from 5 to 60 feet below top of sandstone, except flow under great pressure but water more mineralized at greater depth. In the higher lands about Valley City only hard salty water of deeper horizons, 200 to 300 feet below top of sandstone will probably flow.)
- Area probably too high to yield flowing wells
(pump wells probably obtainable at 1200 to 1300 feet depth.)
- 1160 Flowing wells
Depth to principal flow

Henry Gannett, Chief Topographer.
 Jno. H. Renshaw, Topographer in charge.
 Control by Geo. T. Hawkins and H. L. Baldwin Jr.
 Topography by Van H. Manning.
 Surveyed in 1893-94.

Scale 1:25,000
 1 2 3 4 5 Miles
 1 2 3 4 5 Kilometers
 Contour interval 20 feet.
 Datum is mean sea level.
 Edition of April 1909.

DIAGRAM OF TOWNSHIP
 1 2 3 4 5 6 7 8 9 10
 11 12 13 14 15 16 17 18 19 20
 21 22 23 24 25 26 27 28 29 30
 31 32 33 34 35 36

Hydrology by N.H. Darton
 and D.E. Willard.
 Surveyed in 1903-1904.