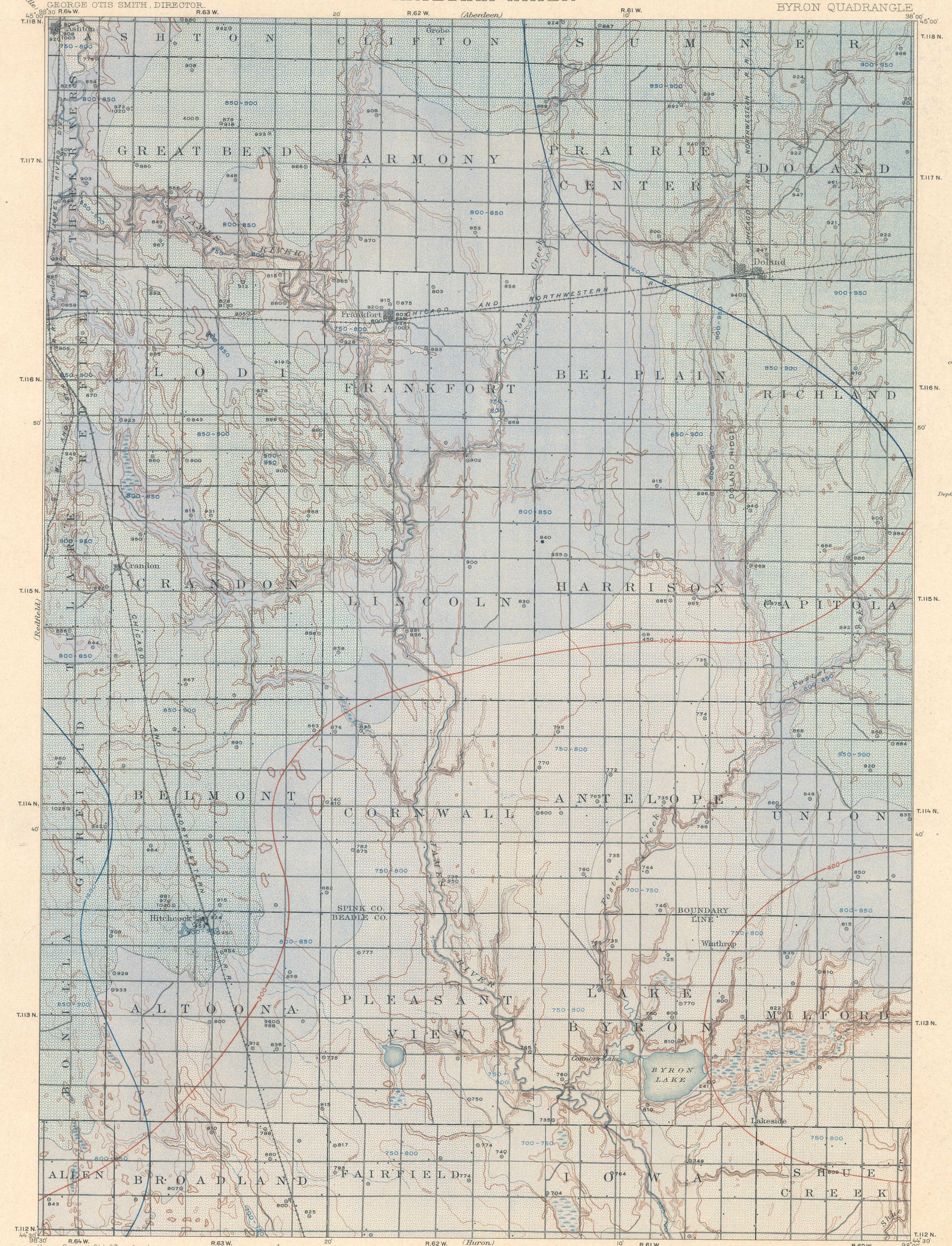
U.S. GEOLOGICAL SURVEY.
GEORGE OTIS SMITH, DIRECTOR.

ARTESIAN WATER

SOUTH DAKOTA
BYRON QUADRANGLE



LEGEND

650 - 700
700 - 750
750 - 800
800 - 850
850 - 900
900 - 950

Depth to top of Dakota sandstone
(Flowing water may be expected from 10 to 50 feet below the top of the Dakota; flows are also locally obtainable in the overlying Benton formation.)

1600
Artesian head
(approximate altitude above sea to which the principal artesian flow may rise.)

300
Contours on surface of granite or quartzite
(lines show altitude above sea and configuration of the surface of bed rock of well drillers; the limit of profitable boring.)

⊙ *Flowing wells in Dakota sandstone*
⊙ B *Flowing wells in Benton formation*
⊙ Q *Flowing wells in Quaternary deposits*
● *Nonflowing deep wells*

Depths to principal water horizons shown by figures

Henry Gannett, Chief Topographer.
Jno. H. Renshawe, Topographer in charge.
Control by Geo. T. Hawkins.
Topography by D. C. Harrison.
Surveyed in 1893.

TRUE NORTH
MAGNETIC NORTH
12°
APPROXIMATE MEAN DECLINATION 1906.

Scale $\frac{1}{125000}$
1 ½ 0 1 2 3 4 5 Miles
1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.
Edition of Nov. 1908.

DIAGRAM OF TOWNSHIP.

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

Geology by J. E. Todd,
under supervision of N. H. Darton.
Surveyed in 1904.