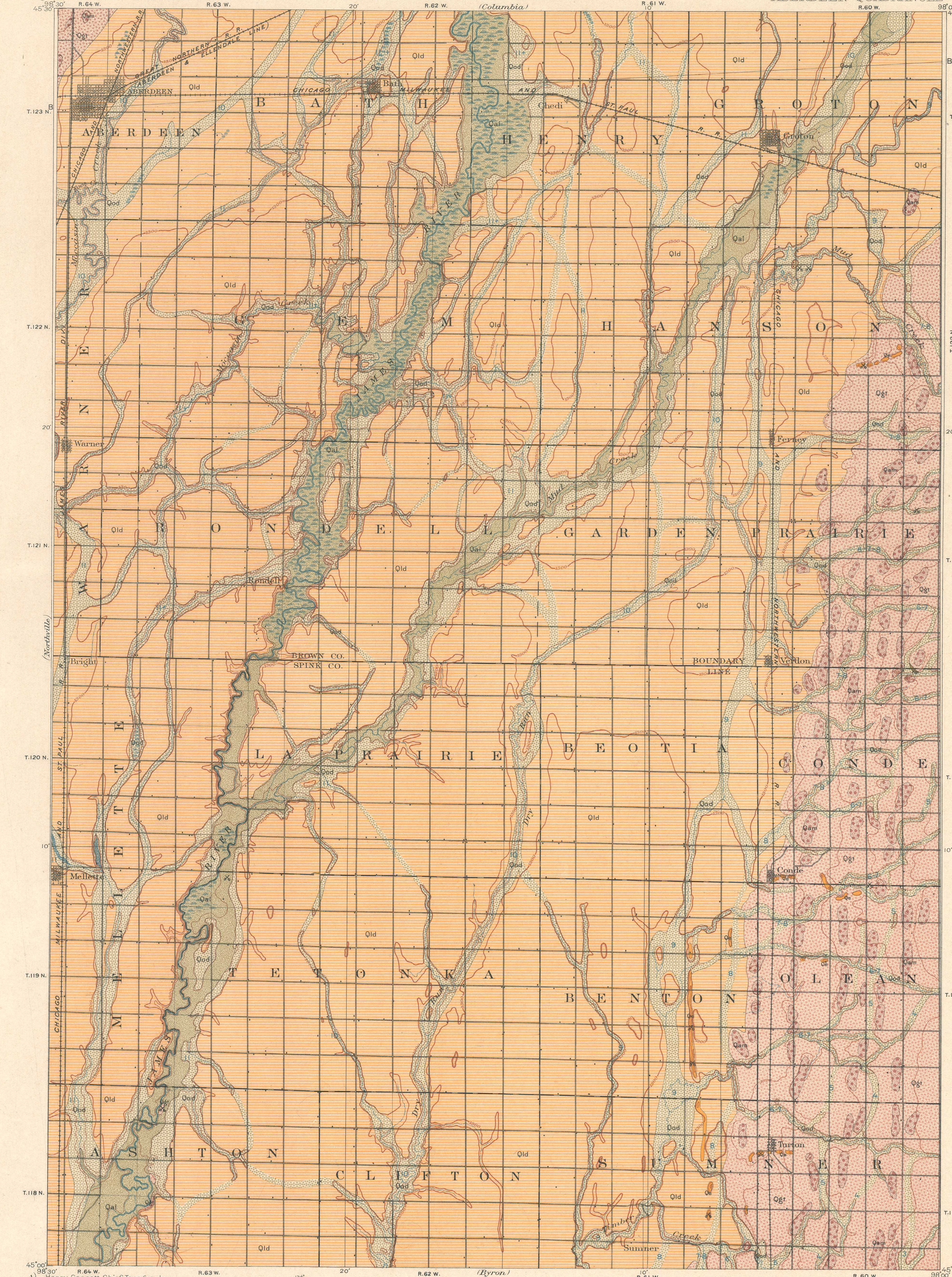
U.S. GEOLOGICAL SURVEY.
GEORGE OTIS SMITH, DIRECTOR.

AREAL GEOLOGY

SOUTH DAKOTA
ABERDEEN QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)

QUATERNARY

Recent

- Qal — Alluvium *(only the larger areas shown)*
- Qld — Lake Dakota silt
- Qod — Old stream deposits *(occupying channels of glacial streams; chronologic order indicated by numbers in blue)*

Wisconsin stage of Pleistocene epoch

- Qgt — Glacial till *(unstratified clay, sand, and gravel)*
- Qam — Antelope moraine
- Qe — Eskers

CRETACEOUS

- Kp — Pierre shale *(dark-gray clay or soft shale)*

⁂ *Sand and gravel pits*

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

Geology by J. E. Todd,
under supervision of N. H. Darton.
Surveyed in 1904–1905.

APPROXIMATE MEAN DECLINATION 1906.

Scale 1/125000

1 0 1 2 3 4 5 Miles

1 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	