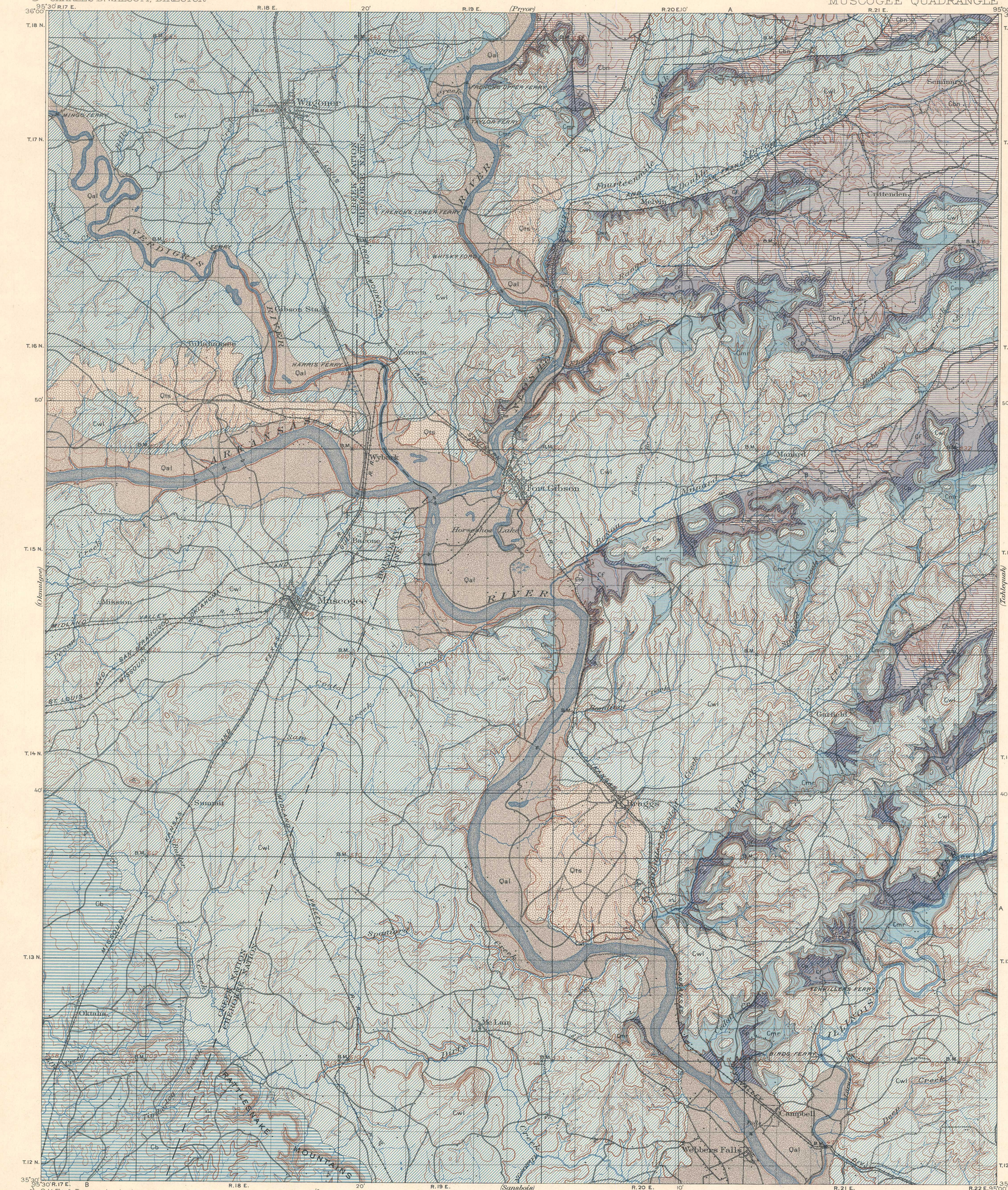
U. S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

AREAL GEOLOGY

INDIAN TERRITORY
MUSCOGEE 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 — River alluvium *(fine yellow sand and silt)*

Pleistocene

Qts — Terrace sand *(unconsolidated sand and gravel above present river deposits)*

CARBONIFEROUS

Pennsylvanian

Cb — Boggy formation *(brown sandstone, shaly sandstone, and shale, with beds of coal)*

Cwl — Winslow formation *(shale and shaly sandstone, with variable, thick and thin sandstone beds and thin coals)*

UNCONFORMITY

Cmr — Morrow formation *(light-blue limestone, blue clay shale, and local thin sandstones and coal beds)*

UNCONFORMITY

Mississippian

Cp — Pitkin limestone *(light-blue to brown limestone)*

Cf — Fayetteville formation *(black to dark-blue clay shale with thin limestone beds near top and base)*

UNCONFORMITY

Cbn — Boone formation *(chert and cherty limestone)*

Faults

Strike and dip of stratified rocks

X Coal prospects

Sections

C. H. Fitch, Topographer in charge.
Van H. Manning, Topographer, Assistant in charge.
Triangulation by C. F. Urquhart.
Topography by R. H. Mc Kee, Van H. Manning, and J. Ahern.
Surveyed in 1896–98.

APPROXIMATE MEAN DECLINATION 1896.

Scale 1/125000

1 ½ 0 1 2 3 4 5 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 50 feet.

Datum is mean sea level.

Edition of Dec. 1905.

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 Joseph A. Taff, assisted by S. W. Beyer and J. W. Beede.
Surveyed in 1902.