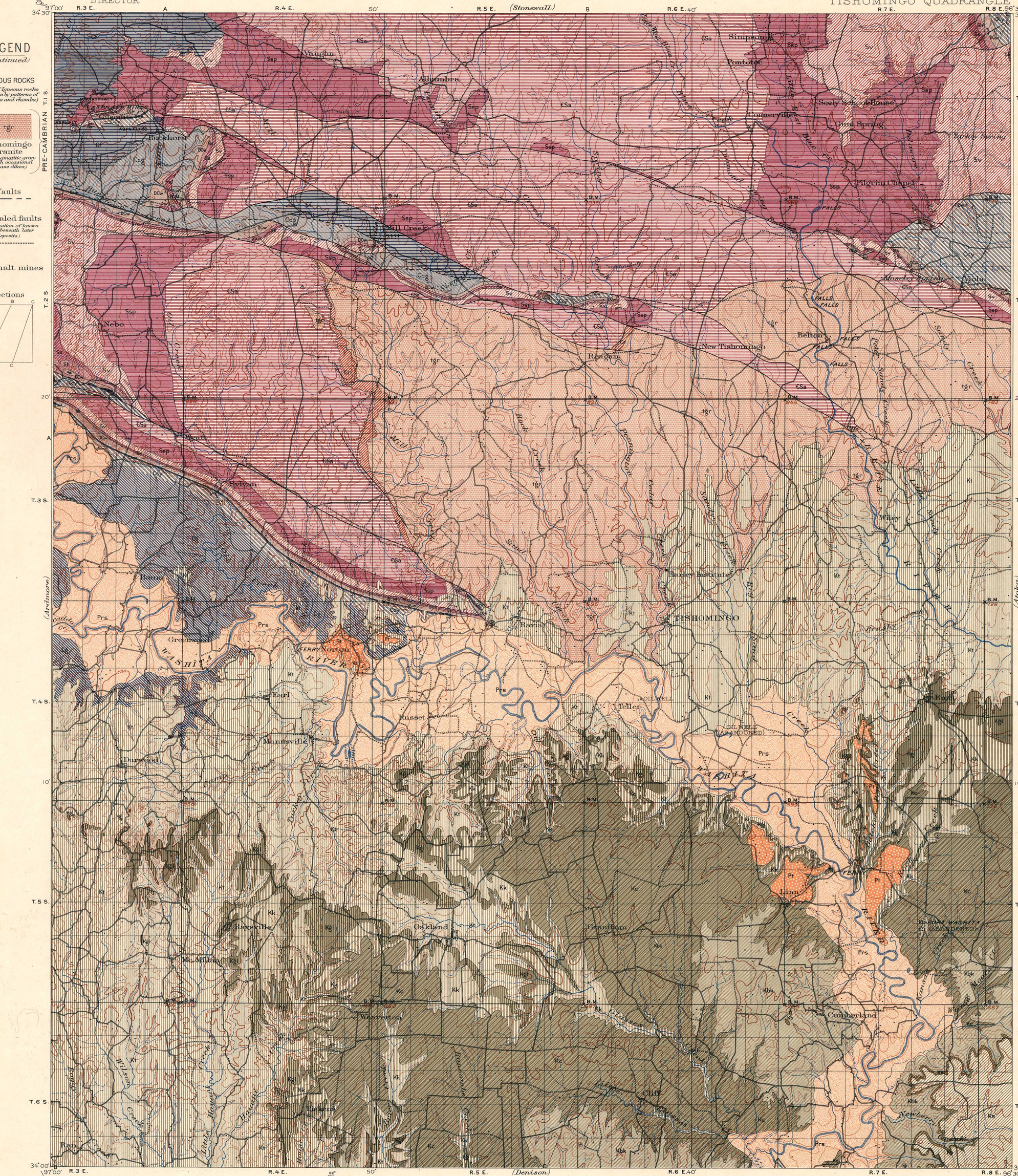
U.S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT
DIRECTOR

AREAL GEOLOGY

INDIAN TERRITORY
(CHICKASAW NATION)
TISHOMINGO QUADRANGLE



Contour interval 50 feet.
Datum is mean sea level.

Scale 1/125000
1 ½ 0 1 2 3 4 5 Miles
1 ½ 0 1 2 3 4 5 Kilometers

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	

APPROXIMATE MEAN DECLINATION 1902.
TRUE NORTH
MAGNETIC NORTH
82°

C.H. Fitch, Topographer in charge.
Van. H. Manning, Topographer Assistant in charge.
Triangulation by C.F. Urquhart.
Topography by R.H. Mc Kee and C.W. Goodlove.
Surveyed in 1897-98.

Geology by Joseph A. Taff.
Assisted by Sidney H. Ball.
Surveyed in 1900.

Edition of June 1903.

LEGEND

LEGEND (continued)

IGNEOUS ROCKS
(Areas of Igneous rocks are shown by patterns of triangles and rhombs.)

PRE-CAMBRIAN

- tgr — Tishomingo granite *(pink pegmatitic granite with occasional diabase dikes)*

Faults

Concealed faults *(continuation of known faults beneath later deposits)*

Asphalt mines

Sections

LEGEND

SURFICIAL ROCKS
(Areas of Surficial rocks are shown by patterns of dots and circles.)

PLEISTOCENE

Recent
- Prs — River sand *(fine yellow sand and alluvium.)*
- Pt — Terrace sand and gravel

SEDIMENTARY ROCKS
(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

CRETACEOUS

Gulf series
- Ks — Silo sandstone *(partially consolidated brown sandstone and shale)*

Comanche series
- Kb — Bennington limestone *(blue or yellowish blue compact shell limestone.)*
- Kbk — Bokchito formation *(friable shale and sandstone with few beds of limestone)*
- Kc — Caddo limestone *(limestone and marly clay interstratified.)*
- Kk — Kiamichi formation *(blue marly clay with shell limestone beds)*
- Kg — Goodland limestone *(white massive and thin limestone)*
- Kt — Trinity sand *(yellow sand with gravel at the base)*

UNCONFORMITY

CARBONIFEROUS

Pennsylvanian series
- Cf — Franks conglomerate *(coarse limestone conglomerate, shale, and fossiliferous limestone)*

UNCONFORMITY

- Cg — Glenn formation *(shale and thin sandstone)*
- Ccg — Caney shale and Glenn formation *(undifferentiated in the much disturbed area in the central portion of the Arbuckle uplift)*

Mississippian series
- Ccy — Caney shale *(black and blue shale with chert and limestone lentils.)*
- Csm — Sycamore limestone *(blue to yellow thin-bedded limestone)*

DEVONIAN
- DCw — Woodford chert *(black flint, chert, and shale)*

SILURIAN

Ordovician
- Sh — Hunton limestone *(white and yellow limestone)*
- Ss — Sylvan shale *(blue friable shale)*
- Sv — Viola limestone *(blue thin-bedded limestone)*
- Ssp — Simpson formation *(thin limestone, shale, and sandstone)*
- CSa — Arbuckle limestone *(blue thick-bedded limestone)*

CAMBRIAN
- Cr — Reagan sandstone *(sandstone and arkose conglomerate)*

Legend is continued on the left margin.