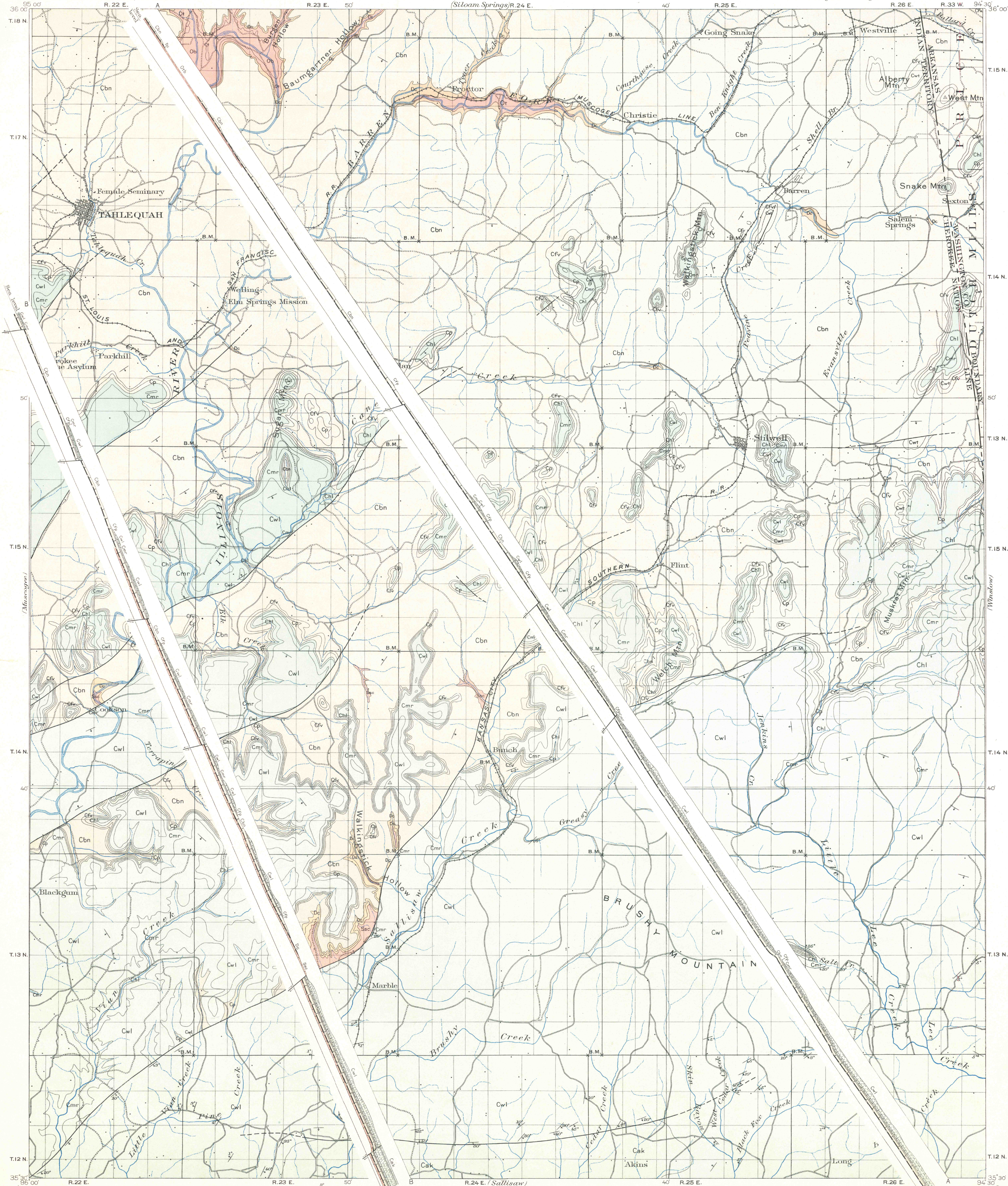


STRUCTURE SECTIONS

INDIAN TERRITORY-ARKANSAS
TAHLEQUAH QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL	SECTION SYMBOL
Cak	Cak
Cwl	Cwl

Winslow formation and Akins shale member
(shaly to thin bedded sandstone and shale with quartz conglomerate locally at the base and coal bearing shale member at the top)

UNCONFORMITY

Cmr	Cmr
Chl	Chl

Morrow formation and Harkness sandstone lentil
(light blue limestone and blue shale with brown calcareous sandstone lentil at the base)

Cp	Cp
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Pittkin limestone
(reddish brown shaly limestone grading into massive bluish limestones)

Cwt	Cfp
Cfv	Cfv

Fayetteville formation and Weddington sandstone member
(black to blue clay shale and sandy shale with limestone beds near the base and shaly sandstone member in upper part)

Cbn	Cbn
-----	-----

Boone formation
(cherty and cherty limestone with local light blue limestone at base)

UNCONFORMITY

Dc	Dc
Ds	Ds

Chattanooga formation and Sylamore sandstone member
(basal black shale with massive brown sandstone and phosphatic concretionary at base, locally variable in thickness)

UNCONFORMITY

Ssc	Ssc
-----	-----

St. Clair marble
(pinkish white, coarsely crystalline marble)

Ot	Otb
----	-----

Tyner formation
(greenish blue shale, thin brown, and black sandstone, and bluish limestone)

Ob	Ob
----	----

Burgess sandstone
(thick bedded and massive brown to white sandstone)

FAULTS

For strike and dip of stratified rocks

C.H. Fitch, Topographer in charge.
Van H. Manning, Topographer Assistant in charge.
Triangulation by C.F. Unruh.
Topography by R.H. McKee, J.A. Hahn, C.W. Goodlove, and H.B. Blair.
Surveyed in 1896-97-98.

APPROXIMATE MEAN DECLINATION 1922

Edition of April 1905

Diagram of Township
6 5 4 3 2 1
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

Geology by Joseph A. Taff
assisted by G. I. Adams and C. N. Gould.
Surveyed in 1901.

CARBONIFEROUS INVERTEBRATE FAUNA OF I.E.
NOT TO BE REMOVED FROM FILE

CARBONIF. INVERTEBRATE FAUNA
Do not remove from file

Tahlequah, Okla