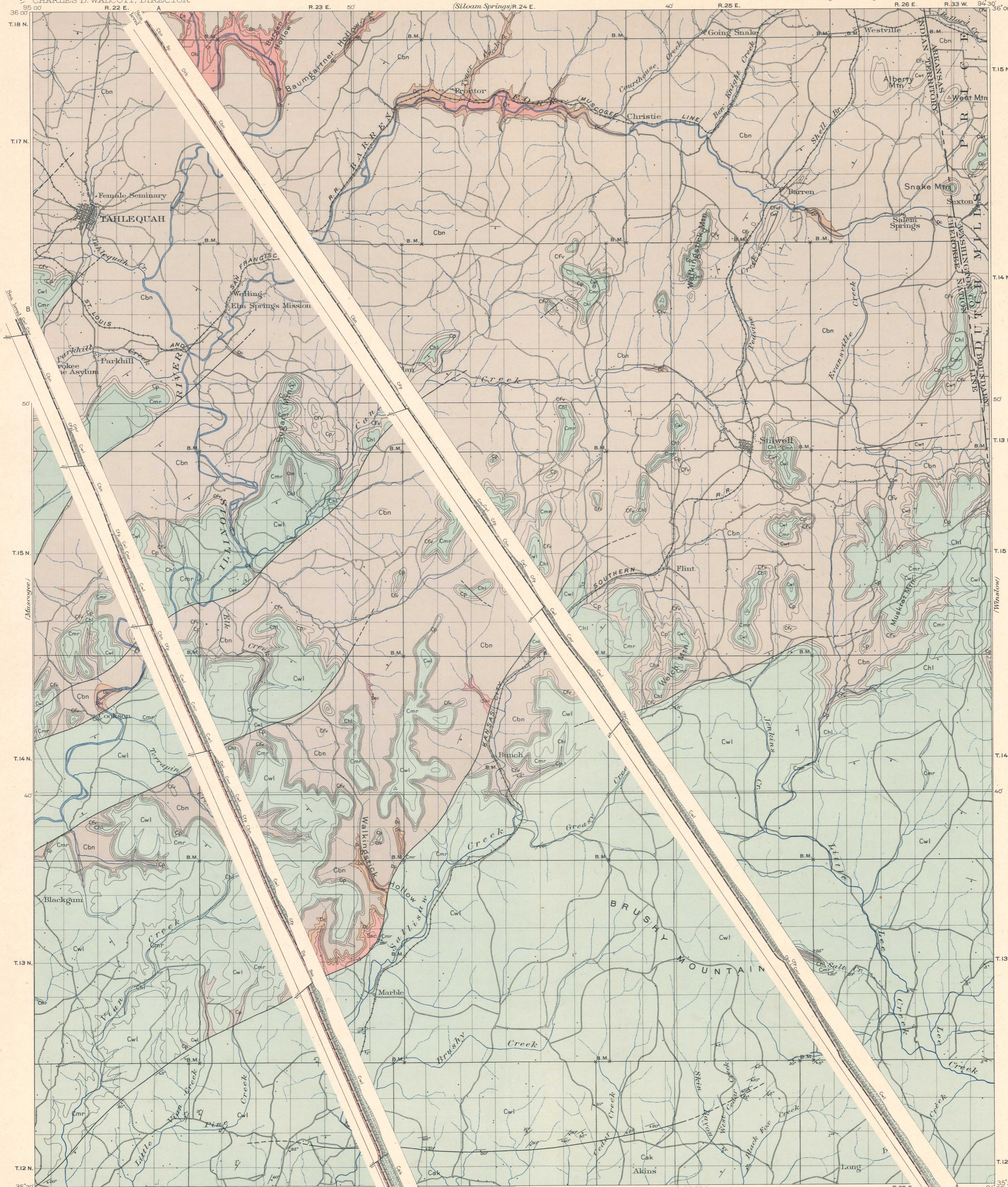


STRUCTURE SECTIONS



LEGEND

SEDIMENTARY ROCKS

- |  |                 |  |               |
|--|-----------------|--|---------------|
|  | Cak             | Winslow formation and Akins shale member<br><i>(shaly to thin bedded sandstone and shale with quartz conglomerate locally at the base and coal bearing shale member at the top)</i>        | PENNSYLVANIAN |
|  | Cwl             |  |               |
|  | Cmr             | Morrow formation and Hale sandstone lentic<br><i>(light blue limestone and blue shale with brown calcareous sandstone lentic at the base)</i>  | CARBONIFEROUS |
|  | Cpl             |  |               |
|  | Cbn             | Fayetteville formation and Wedington sandstone member<br><i>(black to blue clay shale and sandy shale with brown and shaly sandstone member in upper part)</i>                             | MISSISSIPPIAN |
|  | Cfp             |  |               |
|  | Dc              | Chattanooga formation and Sylamore sandstone member<br><i>(fossiliferous black shale with massive brown sandstone and phosphatic conglomeratic at base, locally variable in thickness)</i> | DEVONIAN      |
|  | Ssc             |  |               |
|  | Ot              | Tyner formation<br><i>(greenish-blue shale, thin brown and black sandstone, and black limestone)</i>   | ORDOVICIAN    |
|  | Ob              |  |               |
|  | Buren sandstone | <i>(thick bedded and massive brown to white sandstone)</i>   |               |

Faults  
 - - -  
 Arrow shows strike and dip of stratified rocks

C.H. Fitch, Topographer in charge.  
 Van H. Manning, Topographer, Assistant in charge.  
 Triangulation by C.F. Urquhart.  
 Topography by R.H. Mc Kee, J. Ahern, C.W. Goodlove, and H.B. Blair.  
 Surveyed in 1896-97-98.

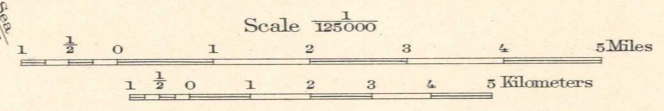


DIAGRAM OF TOWNSHIP

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

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