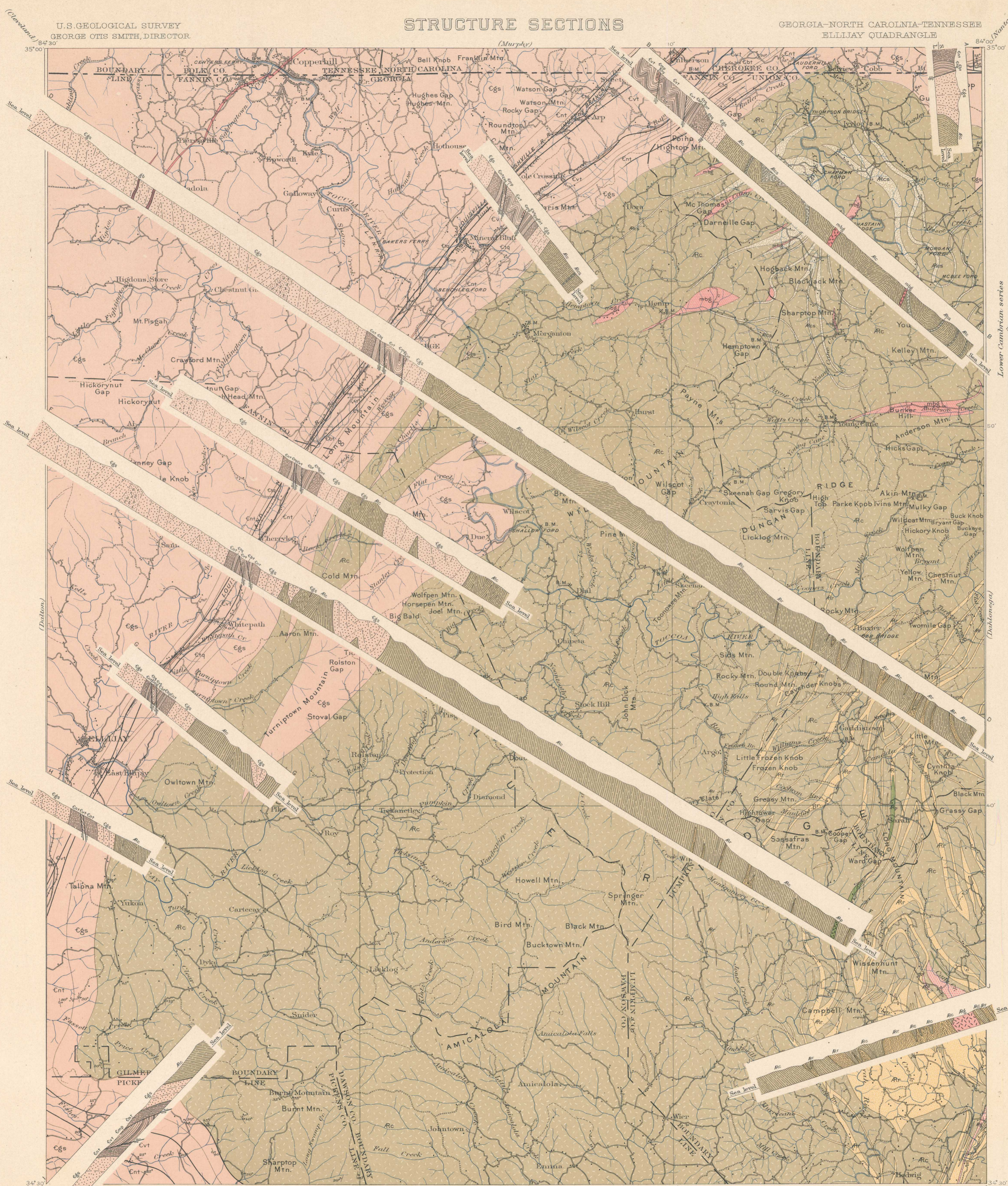


STRUCTURE SECTIONS



LEGEND

- SEDIMENTARY ROCKS**
- | SHEET SYMBOL | SECTION SYMBOL |
|------------------------------------------------------------------------------------------------------------------------|----------------|
| | |
| Notely quartzite
(white quartzite) | |
| | |
| Murphy marble
(white and blue marble, thin, calcareous, white at the top probably represents Andrews schist) | |
| | |
| Valleytown formation
(shaly mica schist, slate, siliceous slate, and graywacke) | |
| | |
| Brasstown schist
(blue and black graphitic slate with some garnet-spiriferite schist) | |
| | |
| Tusquitee quartzite
(white quartzite) | |
| | |
| Nantahala slate
(banked black graphitic slate with some garnet-spiriferite schist) | |
| | |
| Great Smoky formation
(shaly graywacke, mica schist, conglomerate and spiriferite schist, near the base) | |
- IGNEOUS ROCKS**
- | | |
|------------------------------------------------------------------------------------------------|--|
| | |
| Gabbro | |
| | |
| Muscovite-biotite granite and pegmatite | |
| | |
| Granite
(granodiorite, biotite granite) | |
| | |
| Pyroxenite, diorite, and serpentine | |
| | |
| Roubidoux gneiss
(shaly hornblende gneiss, hornblende schist, and schistose diorite) | |
- METAMORPHIC ROCKS OF PARTLY UNKNOWN ORIGIN**
- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | |
| Carolina gneiss
(graywacke, conglomerate, mica gneiss, mica schist, and garnet-spiriferite gneiss, with some brown-graphitic schist) | |
- Faults**

Lower Cambrian series

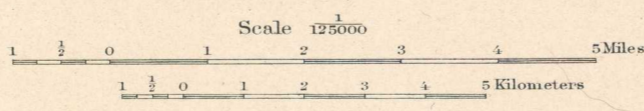
CAMBRIAN

POST-CAMBRIAN

ARCHEAN

ARCHEAN

H. M. Wilson, Geographer in charge.
 Triangulation by S. S. Gannett.
 Topography by W. L. Miller, R. H. McKee, and A. E. Muriin.
 Surveyed in 1895-96.



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Geology by Laurence LaForge,
 assisted by D. B. Starnet, W. C. Phalen, F. B. Laney, and L. A. Kolbe;
 under supervision of Arthur Keith.
 Surveyed in 1905-1911.

APPROXIMATE MEAN DECLINATION 1910.