

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

AREAL GEOLOGY

NORTH CAROLINA-TENNESSEE
NANTAHALA QUADRANGLE

LEGEND

SEDIMENTARY ROCKS
(Areas of sedimentary rocks are shown by patterns of parallel lines; metamorphism is indicated by hachures combined with the line patterns)

- Eny**
Notch quartzite (white quartzite)
- Ead**
Andrews schist (calcareous atollite-schist with iron-ore beds)
- Emp**
Murphy marble (white and blue marble)
- Evt**
Valleytown formation (graywacke, garnet and atollite-schist, and slate)
- Ebt**
Brasstown schist (blue and black banded atollite-schist and slate)
- Etq**
Tusquitee quartzite (white quartzite)
- Ent**
Nantahala slate (black slate, with garnet-staurolite-schist at base)
- Egs**
Great Smoky conglomerate (conglomerate, coarse gray sandstone, and graywacke, with many beds of black slate and schist)
- Chi**
Hiwassee slate (black-gray and banded argillaceous slate)

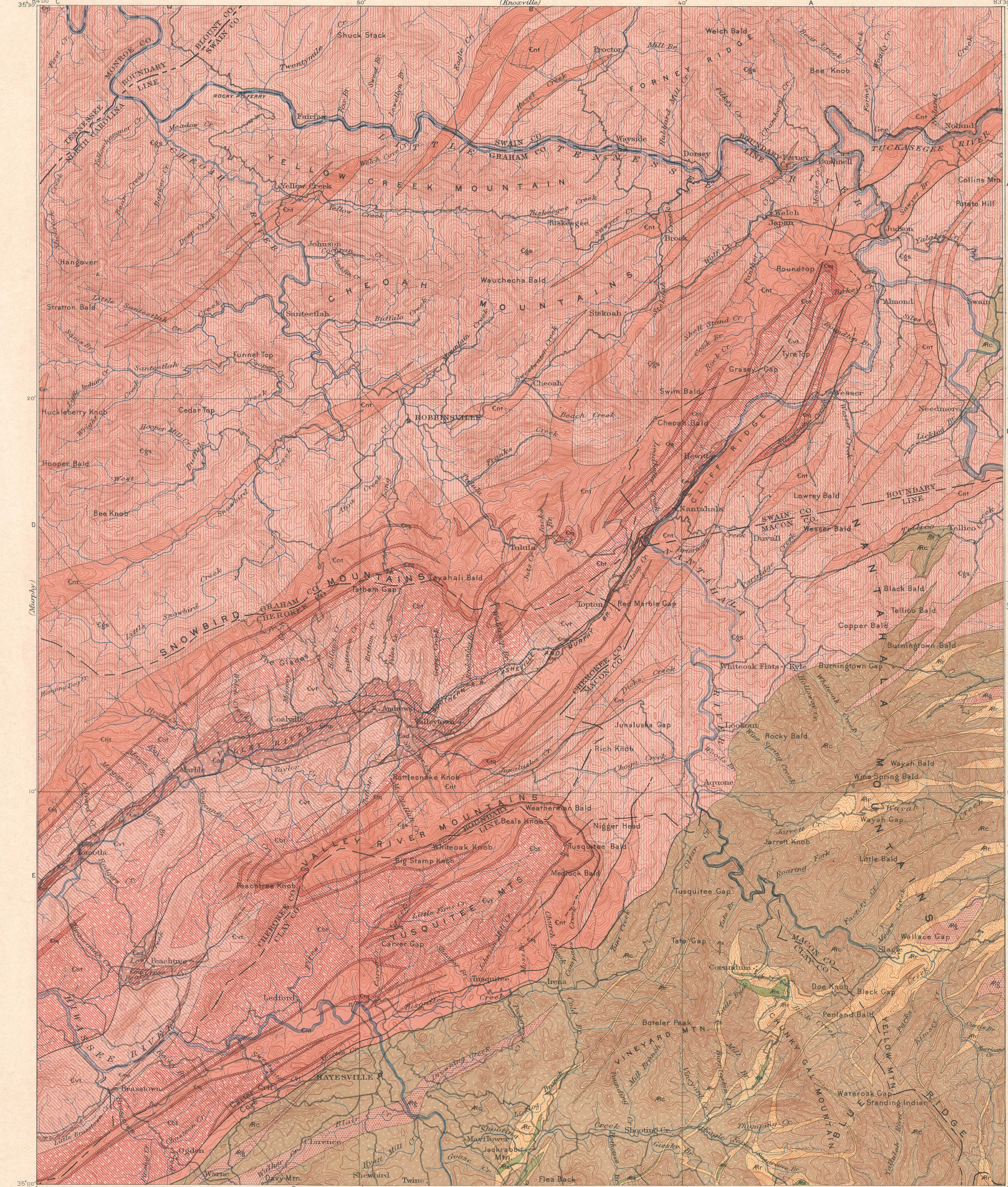
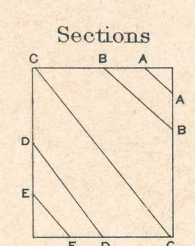
IGNEOUS ROCKS
(Areas of igneous rocks are shown by patterns of triangles and rhombs; metamorphism is indicated by hachures)

- Ag**
Granite (granite and gneissoid granite)
- As**
Soapstone, dunite, and serpentine
- Ar**
Roan gneiss (hornblende-gneiss, hornblende-schist, and diorite)

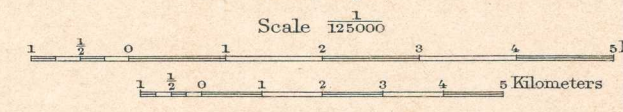
METAMORPHIC ROCKS OF UNKNOWN ORIGIN
(Areas of metamorphic rocks of unknown origin are shown by patterns of short dashes)

- Ac**
Carolina gneiss (micro-gneiss and micro-schist)

Faults



Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer.
Triangulation by S.S. Gannett.
Topography by Chas. E. Cooke.
Surveyed in 1892.
Revised in 1904 by Arthur Keith.



Contour interval 100 feet.
Datum is mean sea level.
Edition of Oct. 1906.

Geology by Arthur Keith,
assisted by H.B. Goodrich and H.S. Gale.
Surveyed in 1892, 1893, 1899, 1903, and 1904.