

LEGEND

LEGEND  
(continued)

⊗ Mines and quarries  
× Prospects

Known mineral deposits

- Csh**  
Brown hematite  
(deposits in residual clay of the Shady limestone)
- MT**  
Magnetite  
(lenses near contact of Cranberry granite and Roan gneiss)
- TC**  **SP**  
Talc and soapstone  
(bodies in Roan gneiss)
- MC**  
Mica  
(in pegmatite lenses)

SEDIMENTARY ROCKS  
(Areas of unconformable deposits are shown by patterns of parallel lines)

- Ot**  
Tellico sandstone  
(red and gray calcareous sandstone)
- Oa**  
Athens shale  
(blue and black calcareous shale)
- UNCONFORMITY**
- EOk**  
Knox dolomite  
(light and dark magnesian limestone with chert nodules)
- En**  
Nolichucky shale  
(variegated calcareous shale and thin limestone)
- Chk**  
Honaker limestone  
(massive blue and gray limestone with chert)
- Cw**  
Watauga shale  
(purple, reddish, and yellow shale and sandy shale with thin limestone)
- Csh**  
Shady limestone  
(grayish limestone with chert)
- Ch**  **Ee**  
Hesse quartzite (massive white quartzite)  **Erw**  
Erwin quartzite (massive white quartzite)
- Emr**  
Murray slate (gray slates and shales)
- Enb**  **Chf**  
Nebo quartzite (chiefly white quartzite)  **H**  
Hampton shale (banded gray shale with thin limestone layers)
- Enc**  
Nichols slate (grayish slate and shale with sandy layers)
- Ech**  
Cochran conglomerate (white sandstone, quartzite, and conglomerate)
- Chi**  
Hiwassee slate (chiefly dark-colored slate with layers of sandstone and conglomerate)
- Cu**  
Unicoi formation (white sandstone and quartzite with shale, arkose, conglomerate, and a bed of argillite, etc.)
- Cs**  
Snowbird formation (chiefly dark-colored slate with layers of sandstone, quartzite, and conglomerate)

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

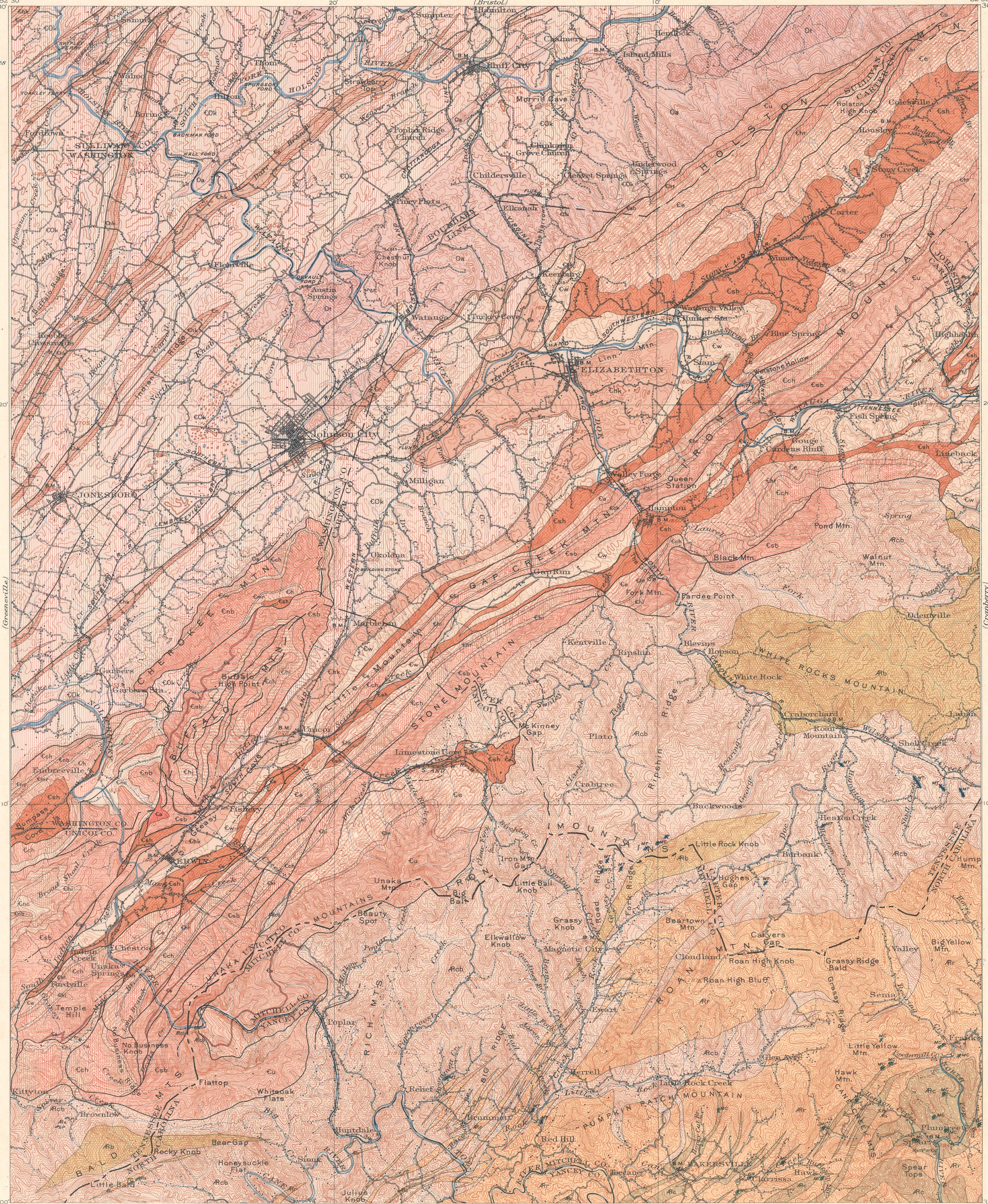
- Rb**  
Beech granite (coarse or porphyritic granite, light or reddish in color)
- Rcb**  
Cranberry granite (finely granitic and granite-gneiss)
- Rs**  
Soapstone, dmite, and serpentine
- Rr**  
Roan gneiss (chiefly hornblende gneiss and schist with some diorite)

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

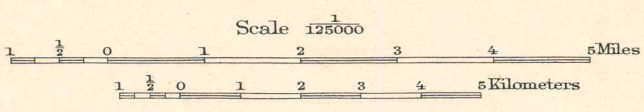
- Rc**  
Carolina gneiss (chiefly mica-gneiss and mica-schist including other gneisses, granites, and diorites)

Faults

Legend is continued on the left margin.



H.M. Wilson, Geographer in charge.  
Triangulation by W.C. Kerr and S.S. Gannett.  
Topography by Hersey Munroe, W.L. Miller, W.N. Brown,  
Geo. H. Guerdum, and E.G. Hamilton.  
Surveyed in 1901-1902.



Contour interval 100 feet.  
Datum is mean sea level.  
Edition of April 1907

Geology by Arthur Keith,  
assisted by H.B. Goodrich and H.S. Gale.  
Surveyed in 1893, 1900, 1904, and 1906.

(Bristol)

(Abingdon)

(Asheville)

(Mountain)

ORDOVICIAN

CAMBRIAN

ARCHEAN

ARCHEAN