



EXPLANATION

Geologic Units

Quaternary

- af Artificial Fill
- Qna Alluvium
- Qc Colluvium
- Qlf Alluvial Fan
- QHD QH1 Holocene Clinch River Terraces
- QHT QH3
- QPT1 QPT2 Pleistocene Clinch River Terraces
- QPT3 QPT4
- QPT5 QPT6
- QPT7 Undifferentiated Pleistocene Terraces

Lower Carboniferous

- Sr Rockwood Fm. sandstone, siltstone and shale
- Os Sequatchie Fm. limestone and shale
- Or Reedsville Shale shale and siltstone with limestone interbeds

Chickamauga Supergroup

Nashville Group

- Onoy Cannon Ls., Leipers and Catheys Fm. - undivided limestone with shale interbeds
- Onyl Catheys and Leipers Fm. - undivided limestone with shale interbeds
- Onn Cannon Ls. limestone
- Oh Heritage Fm. limestone

Chickamauga Group

- Och Chickamauga Group - undivided
- Omc Moccasin Fm. siltstone with limestone interbeds
- Owi Witten Fm. limestone with shale interbeds
- Ovw Bowen Fm. siltstone with limestone interbeds
- Obe Benbolt Fm. limestone with siltstone interbeds
- Ork Rockwell Fm. limestone with siltstone interbeds
- Ofl Fleanor Shale mbr. of the Lincolnshire Fm. shale and siltstone with limestone
- Obf Blackford Fm. (includes Eidsen mbr.) limestone and siltstone

Stones River Group

- Osx Stones River Group - undivided
- Oca Carvers Ls. limestone with shale interbeds
- Olb Lebanon Ls. limestone
- Ord Ridley Ls. limestone with chert
- Omp Pierce and Murrefreesboro Ls. - undivided limestone with shale interbeds
- Ops Pond Spring Fm. limestone with dolomite, shale and sandstone interbeds

Middle Carboniferous

Knox Group

- Oms Mascot Dolomite dolomite with chert, limestone and sandstone interbeds
- Ok Kingsport Fm. dolomite with chert, limestone and sandstone interbeds
- Olv Longview Dolomite dolomite and chert
- Oc Chesuppec Dolomite dolomite with chert, limestone and sandstone interbeds
- Ccr Copper Ridge Dolomite dolomite with chert, limestone and sandstone interbeds

Upper Carboniferous

Conasauga Group

- Cc Conasauga Group - undivided
- Cmn Marynadville Ls. limestone with dolomite and siltstone interbeds
- Cn Natchez Shale shale with limestone interbeds
- Cdg Dismal Gap Fm. (Maryville Ls.) shale and limestone with dolomite and siltstone interbeds
- Crg Rogersville Shale shale with mudstone and siltstone interbeds
- Cl Friendship Fm. (Rutledge Ls.) limestone, dolomite, siltstone and shale
- Cpv Pumpkin Valley Shale shale with mudstone and siltstone interbeds

Lower Carboniferous

Rome Formation

- Or Rome Fm. - undivided sandstone, shale and siltstone with interbeds of dolomite

Geologic Structures

- Syncline dashed where approximate
- Anticline dashed where approximate
- Overturned Syncline dashed where approximate
- Thrust Fault dashed where approximate, dotted where concealed
- Contact dashed where approximate, dotted where concealed

Other

- Contour, 25 ft interval
- Cross section location (see Figure 2.5.1-35)

Source:

Jewell, J., 1996, Geologic map of the Lenoir City Quadrangle Draft Open File Report, TN, TDG 130-SE, 1:24,000.

Lemiszki, P., 2001, Geologic map of the Cave Creek Quadrangle Draft, TN, TDG 130-SW, 1:24,000.

Lemiszki, P.J., Hatcher, R.D., Kettelle, R.H., 2012, Preliminary Detailed Geologic Map of the Oak Ridge, TN Area, DRAFT 8-14-12 TDG S16A, 1:24,000.

Lemiszki, P., 2015, Geologic map of the Elverton Quadrangle Draft, TN, GM 130-NW, 1:24,000.

Merrick Company, 2013, TVA Clinch River LIDAR Mapping Report, Tennessee Valley Authority Oak Ridge, TN, 26 pp.

Map Scale: 1:12,000 Map Projection: NAD 1983 StatePlane Tennessee FIPS 4100