



EXPLANATION

Geologic Units

Quaternary

- af Artificial Fill
- Qta Alluvium
- Qc Colluvium
- Qlf Alluvial Fan
- QH1 QH7 Holocene Clinch River Terraces
- QH2 QH3 Pleistocene Clinch River Terraces
- Qp1 Qp2 Qp3 Qp4 Qp5 Qp6 Undifferentiated Pleistocene Terraces

Lower Ordovician

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

Middle Ordovician

Chickamauga Supergroup

Nashville Group

- Ocn1 Cannon Ls., Leipers and Catheys Fm. - undivided limestone with shale interbeds
- Ocn2 Catheys and Leipers Fm. - undivided limestone with shale interbeds
- Ocn3 Cannon Ls. limestone
- Oh Hermitage Fm. limestone

Chickamauga Group

- Och Chickamauga Group - undivided
- Omc Moccasin Fm. siltstone with limestone interbeds
- Owi Witten Fm. limestone with shale interbeds
- Ocw Bowen Fm. siltstone with limestone interbeds
- Obe Benbol Fm. limestone with siltstone interbeds
- Ork Rockwell Fm. limestone with siltstone interbeds
- Oli Flannor Shale mbr. of the Lincolnshire Fm. shale and siltstone with limestone
- Obl Blackford Fm. (includes Elders mbr.) limestone and siltstone

Stones River Group

- Osr Stones River Group - undivided
- Ocs Carters Ls. limestone with shale interbeds
- Ob Lebanon Ls. limestone
- Ord Ridley Ls. limestone with chert
- Omp Pierce and Murfreesboro Ls. - undivided limestone with shale interbeds
- Ops Pond Spring Fm. limestone with dolomite, shale and sandstone interbeds

Lower Cambrian

Knox Group

- Oma Mascot Dolomite dolomite with chert, limestone and sandstone interbeds
- Ok Kingsport Fm. dolomite with chert, limestone and sandstone interbeds
- Ol Longview Dolomite dolomite and chert
- Oc Chequamegon Dolomite dolomite with chert, limestone and sandstone interbeds
- Ccr Copper Ridge Dolomite dolomite with chert, limestone and sandstone interbeds

Upper Cambrian

Conasauga Group

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

Lower Cambrian

Rome Formation

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

Geologic Structures

- Syncline dashed where approximate
- Anticline dashed where approximate
- Overtuned 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., Ketelle, 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, 28 pp.

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