

EXPLANATION

Geologic Units

Quaternary	Geologic Units
af	Artificial Fill
Qna	Alluvium
Qc	Colluvium
Qlf	Alluvial Fan
Qh1 Qh2 Qh3	Holocene Clinch River Terraces
Qp1 Qp2 Qp3 Qp4 Qp5 Qp6	Pleistocene Clinch River Terraces
Qp7	Undifferentiated Pleistocene Terraces

Lower Carboniferous	Geologic Units
Sr	Rockwood Fm. sandstone, siltstone and shale
Os	Sesquischile Fm. limestone and shale
Or	Reedsville Shale shale and siltstone with limestone interbeds

Chickamauga Supergroup

Nashville Group	Geologic Units
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	Hemitage Fm. limestone
Chickamauga Group	Geologic Units
Och	Chickamauga Group - undivided
Omc	Moccasin Fm. siltstone with limestone interbeds
Owi	Witten Fm. limestone with shale interbeds
Obw	Bowen Fm. siltstone with limestone interbeds
Obe	Beribot Fm. limestone with siltstone interbeds
Ork	Rockwell Fm. limestone with siltstone interbeds
Oli	Fleanor Shale mbr. of the Lincolnshire Fm. shale and siltstone with limestone
Obl	Blackford Fm. (includes Eidsen mbr.) limestone and siltstone
Stones River Group	Geologic Units
Osr	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

Lower Carboniferous	Geologic Units
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	Chepultepec Dolomite dolomite with chert, limestone and sandstone interbeds
Ccr	Copper Ridge Dolomite dolomite with chert, limestone and sandstone interbeds

Upper Carboniferous	Geologic Units
Conasauga Group	Geologic Units
Cc	Conasauga Group - undivided
Cmn	Marysvalley Ls. limestone with dolomite and siltstone interbeds
Cn	Nichucky Shale shale with limestone interbeds
Cdg	Dianal 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	Geologic Units
Rome Formation	Geologic Units
Or	Rome Fm. - undivided sandstone, shale and siltstone with interbeds of dolomite

Geologic Structures

Geologic Structures	Other
Syncline	Contour , 25 ft interval
Anticline	Cross section location (see Figure 2.5-1-35)
Overturned Syncline	
Thrust Fault	
Contact	

Source:

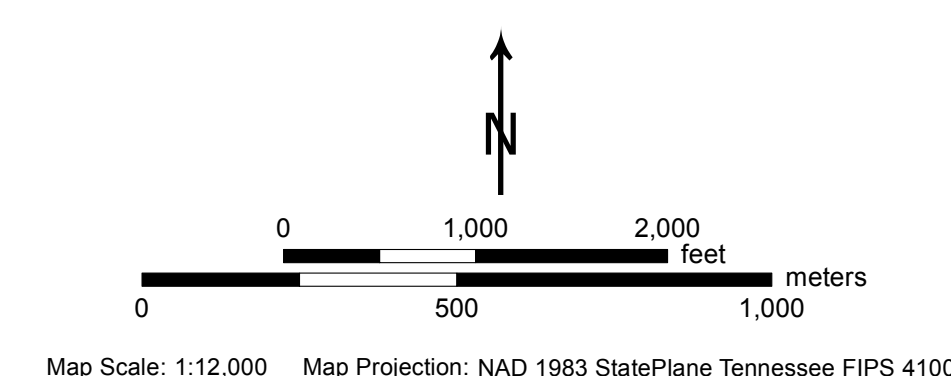
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Map Scale: 1:12,000 Map Projection: NAD 1983 StatePlane Tennessee FIPS 4100

PLATE 2a (northwest quadrant) Clinch River Site Area Geologic Map