



- antimonium
- Zone of wind polished and fluted pebbles
- Outcrop of Clinch coal bed
Dashed where approximately located
- Contact, showing dip
Dashed where approximately located
- Fault showing dip and change of slickensides. Dashed where approximately located. U, upthrown side; D, downthrown side
- Vertical fault
- Concealed fault
- Probable fault
- Syncline
- Strike and dip of beds
- Strike and dip of beds
Showing progressive change of strike
- Horizontal beds
- Strike and dip of foliation
- Strike of vertical foliation
- Strike and dip of planar structure in granite
- Mine or quarry
- Prospect pit
- Gravel pit
- Open cut
- Shall
- Diamond-drill hole
From N. C. Coal and Iron Survey
No. 33 (Completed and tested
1933) and map by W. F. Cooke,
1927
- Diamond-drill hole
State of North Carolina
- Diamond-drill hole
Evanson and associates, 1930
- Diamond-drill hole
Coal Products, Inc., 1944
- Diamond-drill hole
Walter Hallowell and Co., 1945-46
- Diamond-drill hole
U. S. Bureau of Mines, 1944-1948

- U. S. Coast and Geodetic Survey
bench mark and elevation
- Temporary bench mark and elevation
established by Saville (1914, p. 12)
- Elevation of water surface established
by Saville (1914, p. 6)
- Plane table or transit elevation
- Aerial elevation
- U. S. Coast and Geodetic Survey
triangulation station
- U. S. Coast and Geodetic Survey
traverse station
- U. S. Coast and Geodetic Survey
traverse station and elevation
- North Carolina state highway monument
- Power transmission lines
- Main telephone lines

Note: Geologic sections A-A' and B-B' appear
on Plate 2.
Concealed faults in vicinity of Carver
and Clinch mines not shown on this
map are shown on subsurface maps,
plates 3 and 7.

EXPLANATION

SEDIMENTARY ROCKS

- Qa1 Alluvium
- Qa2 Stream deposits
- Qa3 Colluvium
- Qa4 Slope wash deposits
- Q1 Terrace gravel deposits
- Q2 Unconsolidated clay, sand, and gravel
- Q3 High-level surficial deposits
- Q4 Sandhill formation: conglomerate
- Q5 Sandford formation
- Q6 Clinch formation
- Q7 Pekin formation
- Q8 Pekin formation: basal conglomerate

IGNEOUS ROCKS

- D Diabase
- G Granite

METAMORPHIC ROCKS

- ps Slate, schist, and gneiss

QUATERNARY

TERTIARY (T)

TRIASSIC

CARBONIFEROUS (C)

PRE-TRIASSIC

GEOLOGIC MAP OF THE DEEP RIVER COAL FIELD, CHATHAM, LEE, AND MOORE COUNTIES, NORTH CAROLINA



Compiled by photogrammetric (radial line) methods from aerial photographs made in 1938. Cultural features corrected to 1950.