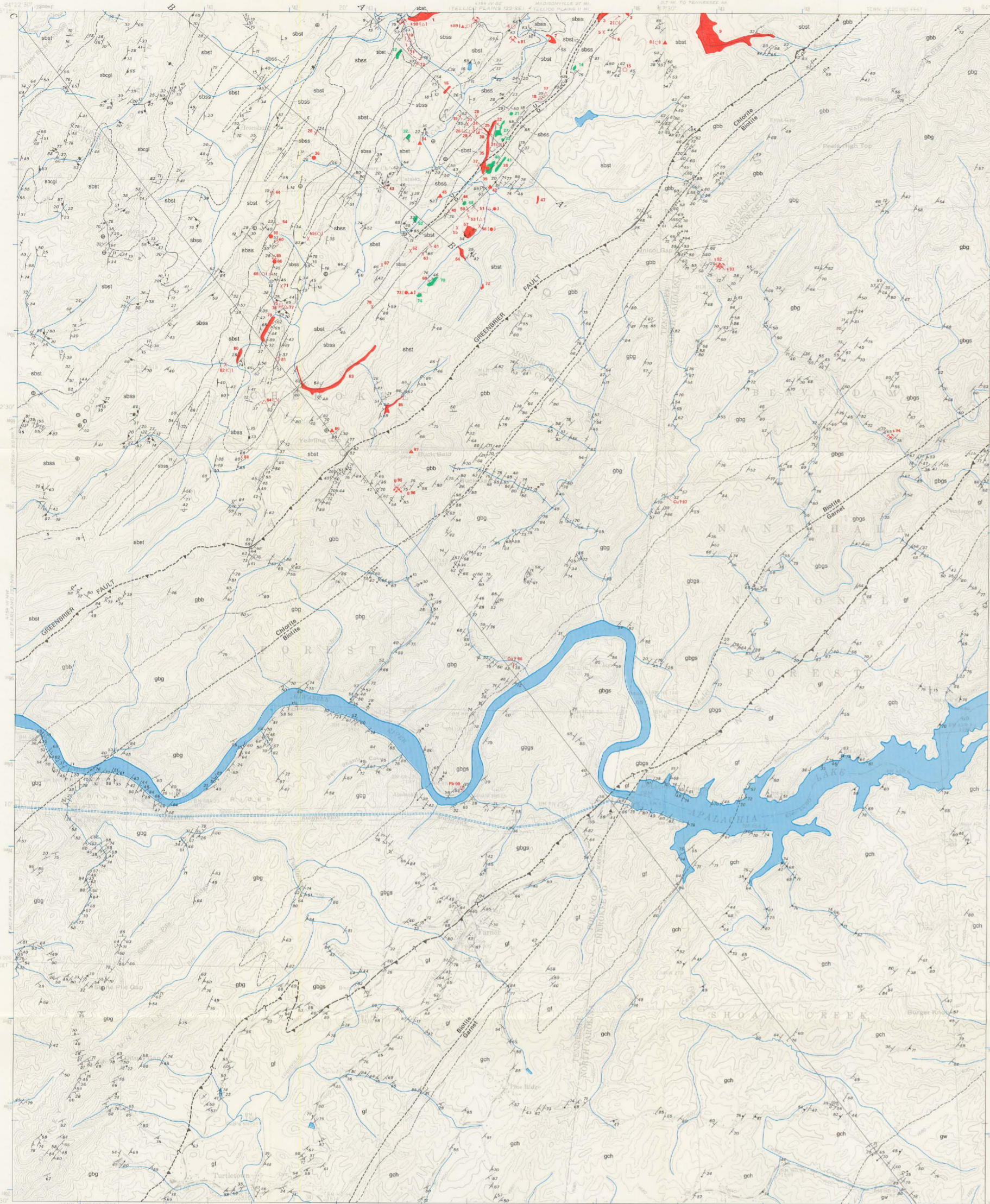


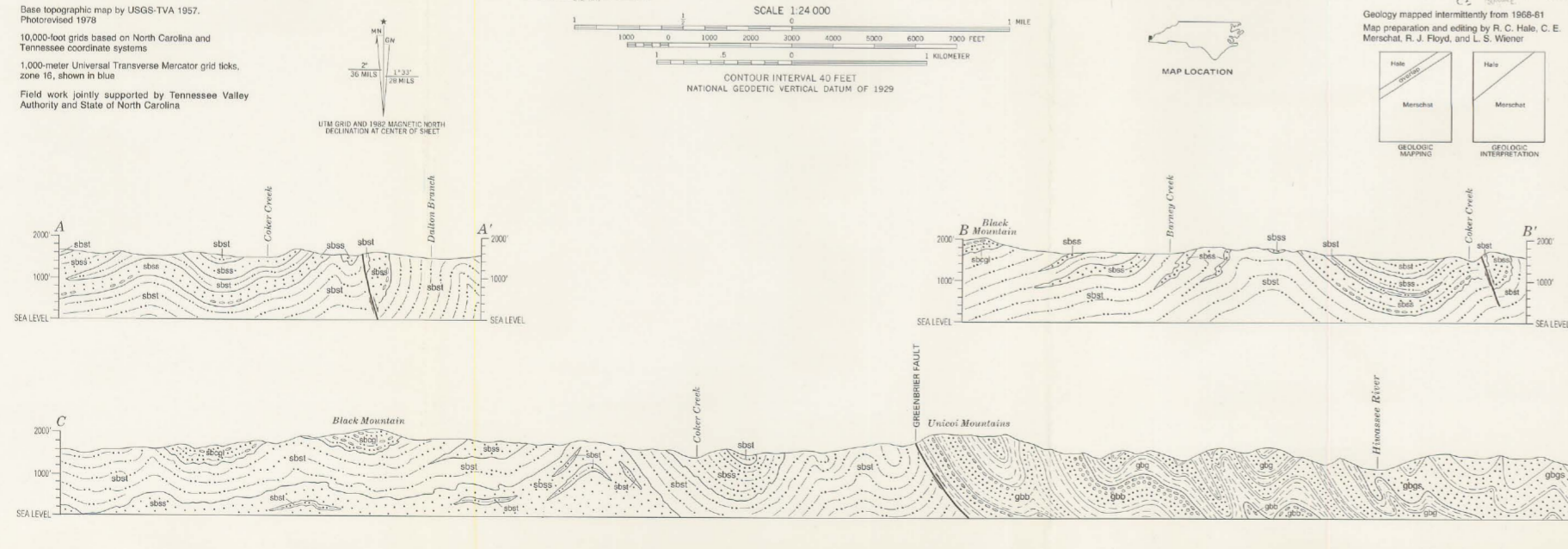
Stephen G. Conrad, State Geologist



DESCRIPTION OF MAP UNITS. SURFICIAL DEPOSITS. GREAT SMOKY GROUP. BOYD GAP FORMATION. SHADOWBIRD GROUP. METAGRAWICKA MEMBER. SLATY UNIT. COPPERHILL FORMATION. WHETTIT FORMATION. ROCK BALD FORMATION.

Modal Analyses in percent - Whettit Formation, Coppehill Formation, Slaty Unit, Boyd Gap Formation, Metagrawicka Member, Rock Bald Formation. Tables showing mineral percentages for various rock types.

Metamorphic facies. Carboniferous rocks. Metasediments. Metavolcanics. Structural features. Contacts and faults. Planar features. Mineral resources. Folds.



Physical characteristics and relative abundance (in percent) of sedimentary facies and rock types in the Great Smoky Group. Table with columns for facies type, sorting, texture, bedding, etc.

Base topographic map by USGS-TVA 1957. 10,000-foot grid based on North Carolina and Tennessee coordinate systems. Field work jointly supported by Tennessee Valley Authority and State of North Carolina.

Figure 1—Distribution of metamorphic index minerals. Structural features. Contacts and faults. Planar features. Mineral resources. Folds.