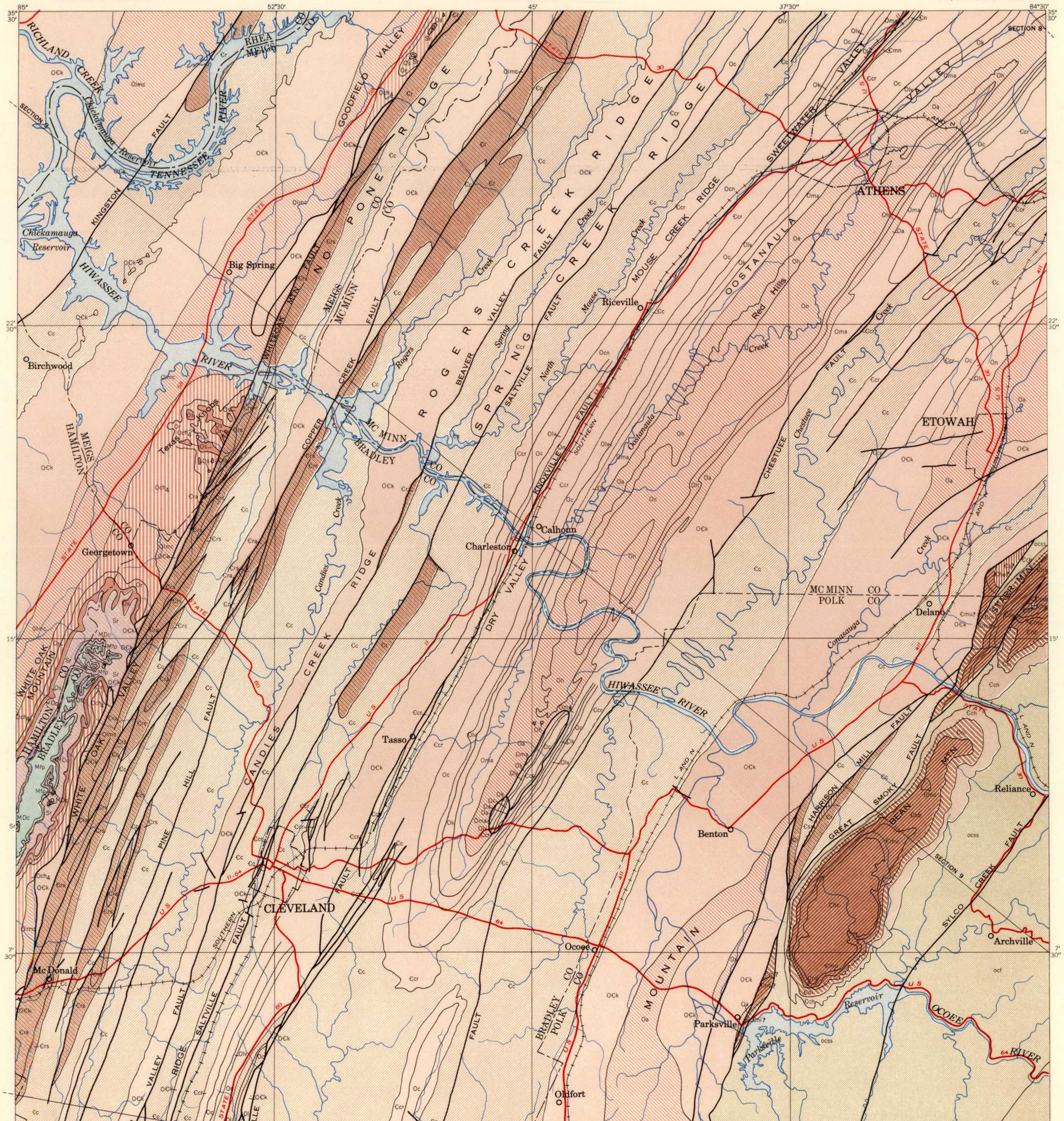
STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION
DIVISION OF GEOLOGY

PREPARED IN COOPERATION WITH
UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

BULLETIN 58
PLATE 13, CLEVELAND



Base compiled and materials assembled by C. H. Heins, G. D. DeBuchananne and R. M. Richardson of the U. S. Geological Survey

Maps prepared for printing by N. B. Johnson, C. E. James, J. B. Canter, and others of the U. S. Geological Survey

Geology compiled by John Rodgers, U. S. Geological Survey
(For Description of sources see text)

EXPLANATION

- Mfp — Fort Payne chert
- MDc — Chattanooga shale
- Sr — Rockwood formation
- Os — Sequatchie formation
- Or — Reedsville shale
- Och4 — Chickamauga limestone, unit 4
- Olmc — Lower and middle parts of Chickamauga limestone
- Oo — Ottosee shale
- Oh — Holston formation
- Ol — Lenoir limestone
- Oa — Athens shale
- O€k — Knox dolomite or group, undivided
- Oma — Mascot dolomite
- Ok — Kingsport formation
- On — Newala formation
- Olv — Longview dolomite
- Oc — Chepultepec dolomite
- Ocn — Chepultepec, Longview, and Newala formations, undivided
- €cr — Copper Ridge dolomite
- €c — Conasauga shale or group, undivided
- €mn — Maynardville limestone
- €n — Nolichucky shale
- €r — Rome formation
- €rs — Sandstone-bearing member of Rome formation
- €ra — Apison member of Rome formation
- €s — Shady dolomite
- €he — Hesse sandstone
- €mu — Murray shale
- €nb — Nebo sandstone
- €ni — Nichols shale
- €ch — Cochran conglomerate
- ocss — Sandsuck shale
- ocf — Fine-grained part of Ocoee series
- ocgs — Great Smoky conglomerate
- Contact
- Fault

For master explanation see plate 11

LOCATION OF PLATES 1 TO 14

GEOLOGIC MAP OF EAST TENNESSEE: CLEVELAND

Scale $\frac{1}{125,000}$

1 0 5 10 Miles