GEOLeCAL SURVEY OF ALABAMA QUADRANGLE SERIES MAP 62
PLATE

GEOLOGICAL MAP AND CROSS SECTIONS OF THE EULATON 7.5-MINUTE QUADRANGLE, CALHOUN COUNTY, ALABAMA

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET

QUADRANGLE LOCATION

QUADRANGLE SERIES MAP 62

DESCRIPTION OF MAP UNITS

- Cambrian System
- Ordovician System
- Silurian System
- Devonian System
- Mississippian System
- Pennsylvanian System
- Permian System
- Triassic System
- Jurassic System
- Cretaceous System
- Tertiary System
- Quaternary System

CORRELATION OF MAP UNITS

SYMBOLS FOR GEOLOGIC MAP

- Fault, showing relative movement
- Thrust fault, concealed beneath mapped units
- Thrust fault, located very approximately, sawteeth on upper plate
- Contact, concealed beneath mapped units

SYMBOLS FOR CROSS SECTIONS

- Water bodies
- Roads
- Railroads
- Residential areas
- Industrial areas
- Forests
- Woodlands
- Barrens
- Alluvium (Quaternary)
- Fort Payne Chert and Maury Formation undifferentiated (Lower and Middle Ordovician)
- Wilson Ridge pale-yellowish-brown to light-olive-brown, very coarse grained, poorly sorted, cavernous and spongy textures. The lower part of the Shady Dolomite includes moderate yellowish brown to moderate orange pink, commonly with dense to medium-bedded micritic to argillaceous limestone.
- Tooleville Chert, generally in thick beds; locally, coarse grained sandstone with rounded quartz grains in chert matrix.
- Fort McClellan Military Reservation
- Jacksonville fault
- Pell City fault
- Wellsington fault
- Coldwater Peak Coldwater Mountain
- Black, fissile clay shale with rare subrounded to rounded oblate quartz and quartzite pebbles and cobbles.
- Light-gray, weathering white to buff, thin- to medium-bedded micritic to argillaceous limestone.