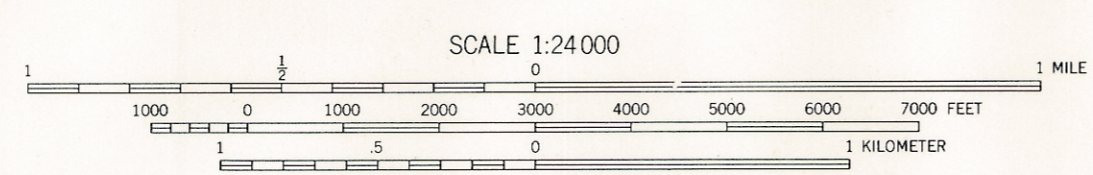
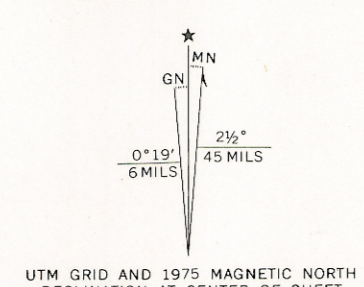




| SYSTEM AND SERIES | GROUP AND FORMATION | LITHOLOGY | THICKNESS IN FEET | DESCRIPTION |
|---------------------|-----------------------|--------------------------|-------------------|--|
| QUATERNARY | Holocene | Alluvium | 0-15 | Qal Alluvium Sand, very-pale-orange to light-brown, clayey, slightly gravelly, poorly sorted. Gravel is composed of chert and sandstone pebbles; sand is composed of quartz and chert grains. The alluvial deposits are relatively thin surficial layers occurring in the flood plains of Polk and Isbell Branches. |
| | CRETACEOUS | Tuscaloosa Group | | 0-40 |
| Hartselle Sandstone | | | 150-4 | Mh Hartselle Sandstone Sandstone, quartzose, light-gray to brownish-gray, fine- to medium-grained, massive to thin-bedded, partly calcareous to argillaceous; locally interbedded with dark-gray shale. |
| MISSISSIPPIAN | | Pride Mountain Formation | | 150-240 |
| | Tusculumbia Limestone | | 150-4 | Mt Tusculumbia Limestone Limestone, bioclastic, light-bluish-gray, fine- to medium-grained, medium-bedded, generally cross-bedded; characterized by abundant light-colored bedded and nodular chert. The chert is distributed throughout the formation and does not produce widespread stratigraphic markers, but it can be used to distinguish the Tusculumbia Limestone from the basal limestone of the overlying Pride Mountain Formation. Most of the limestone has been deeply weathered to grayish-red to dark-yellowish-orange cherty clay residuum. |

- Geologic contact, dashed where approximate
- Active quarry
- Abandoned quarry
- Abandoned pit
- Abandoned pit
- Oil and gas test (show of oil)
- Fe Iron ore
- Ls Limestone
- Ss Sandstone
- Map numbers refer to descriptions in Geology and Mineral Resources report

Base topographic map by USGS-TVA 1971
Geologic map cartography and printing by TVA
3000-meter Universal Transverse Mercator grid ticks,
Zone 15, shown in blue
Field and compilation sheets are on open file
at Tuscaloosa, Alabama



CONTOUR INTERVAL 10 FEET
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL



Geology and mineral resources mapped in 1971-72
Editing by J. S. Tolson and R. J. Floyd

GEOLOGIC MAP OF THE LEIGHTON QUADRANGLE, ALABAMA

By
Michael W. Szabo
1975