

Quadrangle map locations.
Mapped portions are shaded.



QUADRANGLE LOCATION

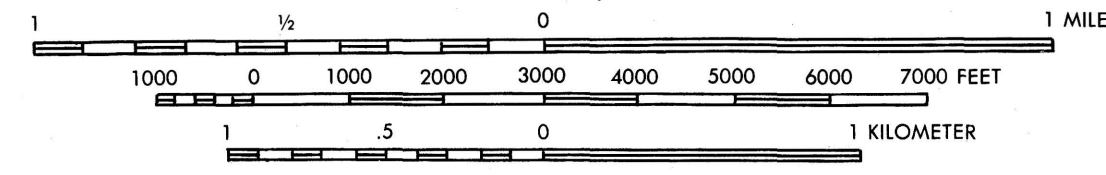
MISSISSIPPI BUREAU OF GEOLOGY
OPEN FILE REPORT 9

**GEOLOGIC MAP
OF THE
DOSKIE QUADRANGLE
(MISSISSIPPI PORTION)**
MISSISSIPPI-TENNESSEE

Geology by Robert K. Merrill

1988

SCALE 1:24,000



DESCRIPTION OF MAP UNITS

- | | | |
|---|---------------|---|
| QUATERNARY | Qal | ALLUVIUM
Sand, medium- to brownish-gray, very fine- to very coarse-grained, subangular to subrounded quartz, silty, clayey; commonly contains organic matter; chert and quartzite pebbles common at base. |
| | Qtl | LOW ELEVATION TERRACE DEPOSITS
Sand, light-gray to dark reddish-brown, very fine- to very coarse-grained, subangular to subrounded quartz, silty, clayey; lower portions contain layers and lenses of flattened quartzite and quartz pebbles interspersed with rounded chert pebbles; iron staining common on pebbles. Distributed adjacent to present stream courses, at and above flood plain elevation. |
| | Qtt | TENNESSEE RIVER TERRACE DEPOSITS
Gravel, moderate reddish- to dark yellowish-brown, very well rounded chert and smooth, flattened quartzite pebbles; iron staining common on outer surfaces; beds and lenses of sand, silt, and clay occur frequently in upper portions. Irregular bedding, occasional cross-bedding; ironstone cementation common. Mainly occur at elevations above 600 feet. Erosional contact at base. |
| SELMA GROUP | Kc | COFFEE FORMATION
Sand, light- to medium-gray, very fine- to medium-grained, subangular quartz, glauconitic, micaceous; frequently interbedded with silt, light- to medium-gray, clayey; thinly bedded with occasional intervals of irregular- to massive-bedded sand; occasional lenses and stringers of small chert gravel at base. Frequent thin ironstone beds; weathers to shades of reddish-brown. Unconformity at base. |
| | Ket | EUTAW FORMATION
TOMBIGBEE SAND MEMBER
Sand, medium light- to olive-gray, very fine- to medium-grained, subangular to subrounded quartz, well sorted, massive-bedded, glauconitic, micaceous, silty, clayey; weathers to various shades of reddish-brown. Frequent occurrence of ferruginous cemented sand molds of <i>Callinassa</i> sp. burrows. |
| | Ke | LOWER EUTAW MEMBER
Sand, medium- to olive-gray, fine- to medium-grained, subangular to subrounded quartz, glauconitic, micaceous, horizontal- and cross-bedded; commonly thinly interbedded and interlaminated with clay, medium-gray, locally carbonaceous; isolated occurrences of petrified wood in lower portions. Weathers to various shades of reddish-brown. Frequent occurrence of ferruginous cemented sand molds of <i>Callinassa</i> sp. burrows. Unconformity at base. |
| TUSCALOOSA GROUP | Kt | TUSCALOOSA GROUP (UNDIFFERENTIATED)
Gravel, chert, white to dark-gray, very well rounded; frequent silt and clay matrix; sand, light- to moderate reddish-brown, very fine- to very coarse-grained, subrounded to angular quartz and chert grains, poorly sorted, with frequent gravel lenses and stringers; clay, white- to medium-gray with occasional occurrences of carbonaceous dark-gray clays; zones of multi-colored chert gravel; frequent well-cemented chert pebble conglomeratic zones. Laterally traceable silt and clay intervals occur most frequently in uppermost and lowermost intervals. Unconformity at base. |
| | MISSISSIPPIAN | Mtp |
| LOWER PORTION
Limestone, medium- to dark bluish-gray, finely crystalline, wackestone, and mudstone, thin- to massive-bedded, occasional shaly texture when weathered; occasionally glauconitic. Isolated occurrences of very thin interval of grayish-green shale (Maury Shale) at base. Contains isolated lenses of chert. | | |

Base map prepared from the Doskie Quadrangle (Mississippi-Tennessee), Tennessee Valley Authority-United States Geological Survey, 1950, photorevised 1984, 1927 North American Datum.