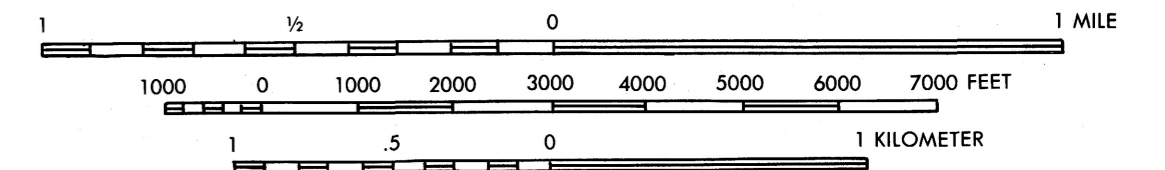


**GEOLOGIC MAP
OF THE
BURNSVILLE QUADRANGLE
MISSISSIPPI**

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. |
| 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. |
| | CRETACEOUS | Ket |
| 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>Callianassa</i> sp. burrows. Unconformity at base. |

Base map prepared from the Burnsville Quadrangle (Mississippi), Tennessee Valley Authority-United States Geological Survey, 1950, photorevised 1969. 1927 North American datum.

