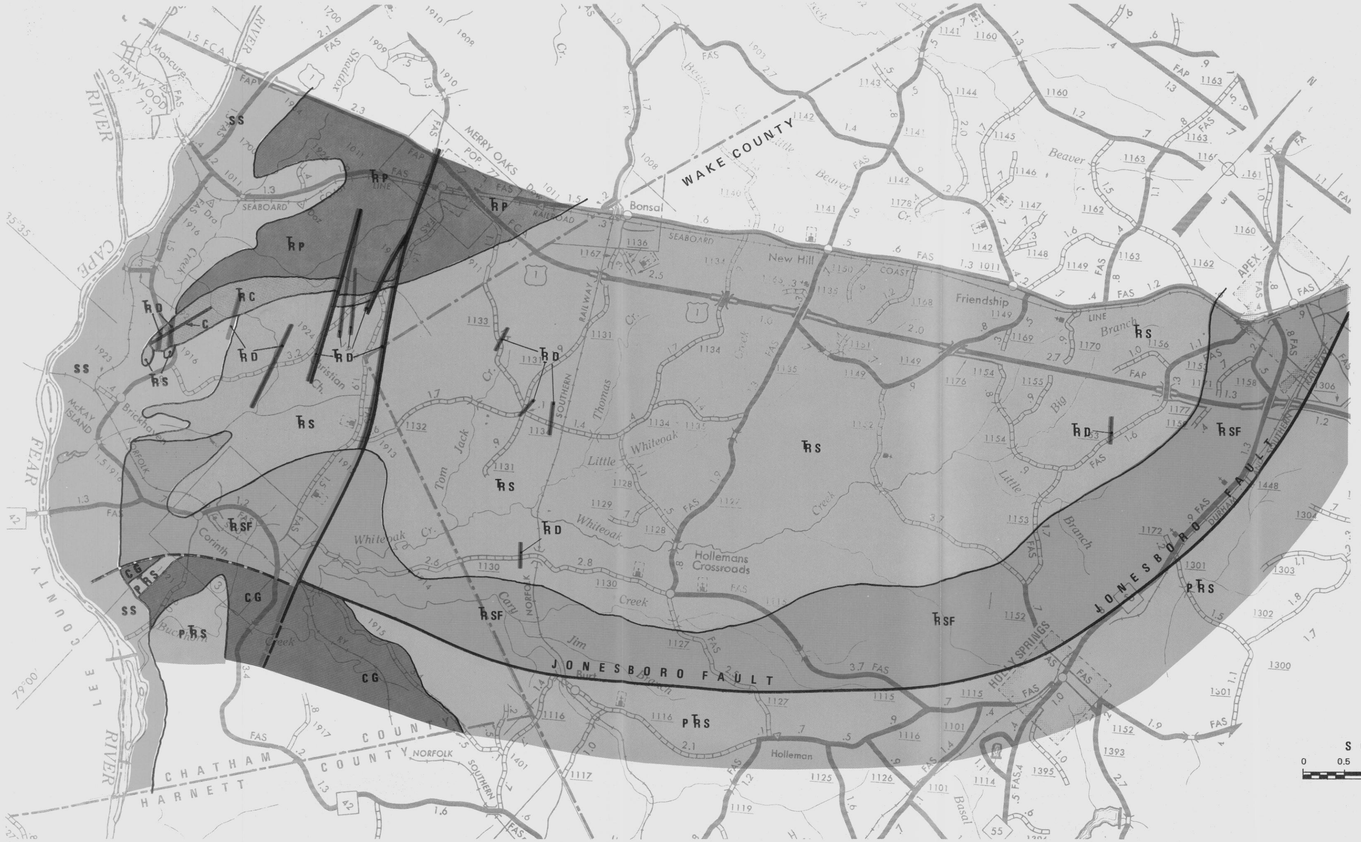

EXPLANATION

POST-TRIASSIC ROCKS

SS

STREAM DEPOSITS
Unconsolidated and undifferentiated clays, sands, and conglomerates varying in age from Tertiary (?) to Recent.

TRIASSIC SEDIMENTARY ROCKS

TRSF

SANFORD FORMATION: FANGLOMERATE
Fragments and blocks of metamorphic and igneous rocks embedded in and interbedded with red claystone, siltstone, and sandstone.

TRS

SANFORD FORMATION
Red, purple, and gray claystone, shale, siltstone, sandstone, and conglomerate.

TRC

CUMNOCK FORMATION
Gray and black claystone, shale, and siltstone; gray sandstone and conglomerate. Contains beds of coal and carbonaceous shale in lower part.

TRP

PEKIN FORMATION
Purple, gray and red claystone, shale, siltstone, and conglomerate.

TRIASSIC IGNEOUS ROCKS

TRD

DIABASE DIKES
Intrusive dikes of diabase.

PRE-TRIASSIC ROCKS

—Metamorphic Rocks—

PTRS

SLATE, SCHIST, AND GNEISS
Undifferentiated, metamorphosed sedimentary and igneous rocks which include conglomerate, quartzite, slate, and rocks of volcanic origin including rhyolite, andesite, diorite, and rhyolitic and dacitic fragmental and flow materials.

CARBONIFEROUS ROCKS (?)

CG

GRANITE
Slightly gneissic light-gray granite.

FAULT

OUTCROP OF CUMNOCK COAL BED

C

REFERENCES

The base for this map was prepared from North Carolina State Highway Commission road maps of Wake and Chatham counties (1962).

The geology was adapted in part from U. S. G. S. Professional Paper No. 246, Geology of the Deep River Coal Field, North Carolina (1955), and from the Geologic Map of North Carolina (1958).

SCALE
0 0.5 1 2
MILES

SITE GEOLOGIC MAP

FIGURE A-4A