EXPLANATION

QUATERNARY

Qal

Alluvium

TERTIARY

Eocene

b Tw k

Wilcox Formation

Includes the bauxite-kaolin zone of Eocene and Paleocene age. Bauxite deposit, b; *kaolin deposit,* k. *May include sands of the Tallahatta Formation of middle Eocene age at the top in the southeastern part of the district*

Paleocene

Tpc
Tc

Porters Creek Clay

Tc, *Chalybeate Limestone Member. White clay in the upper part mapped with the Wilcox Formation*

Contact

Dashed where approximately located

Areas prospected by drilling

Shown in large-scale maps

89°00′ R. 3 E.

R. 2 E.

34°50′

89°05′

45′

34°40′

T. 2 S.
T. 3 S.
T. 4 S.
T. 5 S.

HOPPER-MARTINDALE-HOLLY SPRINGS NATIONAL FOREST

BENTON COUNTY — TIPPAH COUNTY

See plate 2A
See plate 2D
See plate 2B
See plate 2C

Patrick Harrell
J C James-Mississippi Bauxite Co
Green Wattes
Little Hope
I V James
L S Pearce
Finger School
P W Caviness
W M Dodson
Finger deposit
J P Clemmer
J C McElwain
Shelton deposit
J W Jones
Unity
Meadows deposit
Antioch
Shady Grove
Ripley
E M Hardin
Hilgard's Blue Mountain locality
Macedonia Cemetery
F O Hudspeth
Blue Mountain
Flat Rock Church
Falkner

Qal
Tw
Tpc
Tc

Creek
Muddy Creek
Caney Creek
Shelby
Tippah
North
Godwin Creek
Gray's Creek
Town Creek

GULF, MOBILE, AND OHIO
STATE

TRUE NORTH
MAGNETIC NORTH
5°
APPROXIMATE MEAN DECLINATION, 1964

Tippah-Benton district
MISSISSIPPI
MILES 0 50
INDEX MAP SHOWING AREA OF THIS REPORT

Base map prepared by E. B. Parmalee, W. R. Griffitts, and H. A. Tourtelot from aerial photographs

Geology by H. A. Tourtelot, 1942. Extent of Chalybeate Limestone Member taken from Conant (1941, pl. 1)

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G64272

GEOLOGIC MAP OF THE TIPPAH-BENTON BAUXITE DISTRICT, TIPPAH AND BENTON COUNTIES, MISSISSIPPI, SHOWING AREAS PROSPECTED BY DRILLING

SCALE 1:62 500

1 ½ 0 1 2 3 MILES

1 .5 0 1 2 3 KILOMETERS