Department of the Interior
U.S. Geological Survey

PLATE 5

GEOLOGIC CROSS SECTION
LIGNITE-BEARING WILCOX GROUP
LAUDERDALE COUNTY, MISSISSIPPI

Open-File Report 82-452

SW

NE

Measured Section-Mt Barton

Drill Hole GWI M 3

Drill Hole GWI N 2

Drill Hole GWI N 5

Test Hole 150

Measured Section-Mt Gilead Church

Drill Hole GWI J 2

Drill Hole LS 38-6

DrillHole LS 38-2

Drill Hole LS 38-3

DrillHole LS 38-5

Measured Section-Toney Creek

Datum 300 feet above sea level

Datum 300 feet above sea level

Surface

CLAIBORNE GROUP

Tallahatta Fm

Meridian Sand Mbr

uncon

Hachetigbee Formation

Bashi Marl Member

unconformity

Tuscahoma Formation

unconformity

WILCOX GROUP

Fearn Springs Member

unconformity

Nanafalia Formation

MIDWAY GROUP

Naheola Formation

Porters Creek Formation

Sand
Silt
Clay
Conglomeratic sand
Argillaceous sand and silt
Silty and sandy clay
Clay with scattered quartz grains
Lignite
Marine fossils
Covered

Feet 160
120
80
40
1 2 3 4 Miles

LAUDERDALE COUNTY

TONEY
38-5
38-3
38-2
38-6
J2
GILLEAD
150
N5
N2
BARTON
M3

0 4 MILES

INDEX MAP

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.