



EXPLANATION

Aquifers and availability of ground water with a dissolved-solids content of 1,000 mg/l (milligrams per liter) or less.

Estimated depth in feet below mean sea level to base of water with a dissolved-solids content of 1,000 mg/l or less. Based on chemical analyses of water from wells and from electrical characteristics recorded on electric logs run in oil test wells. Locations of oil test wells given in Geological Survey of Alabama Map 36 (1968). Contour interval 100 ft.

Aquifers generally yield less than 0.2 mgd (million gallons per day) per well. Aquifers: Gosport Sand and Lisbon Formation undifferentiated; Tallahatta Formation, and Hatchetigbee Formation.

Aquifers will yield 0.2 to 0.5 mgd per well. Aquifers: Miocene Series undifferentiated, Oligocene Series undifferentiated, Jackson Group, Gosport Sand and Lisbon Formation undifferentiated. Alluvium and low terrace deposits in basin of Tombigbee River south of Carson and Prestwick are potential source of 0.5 to 1.0 mgd per well.

Aquifers will yield 0.5 to 1.0 mgd per well and are potential sources of more than 1 mgd per well in large part of area. Principal aquifer is Miocene Series undifferentiated. Includes Oligocene Series undifferentiated, Jackson Group, and Gosport Sand and Lisbon Formation undifferentiated in north part of area and low terrace and alluvial deposits in basin of Tombigbee River.

Well and number

Flowing well and number

Spring and number

Municipal or industrial well and number

Oil test well and number

Anticlinal axis

Fault: U, upthrown side; D, downthrown side.

Salt dome

0.5 mgd AS 2.0 mgd

Vertical scale greatly exaggerated

EXPLANATION

Wells in aquifers has dissolved-solids content that exceeds 1,000 mg/l

U, upthrown side; D, downthrown side.

Miocene Series undifferentiated

ESTIMATED BASE OF WATER WITH DISSOLVED SOLIDS OF 1000 MG/L OR LESS

Base map compiled from Alabama Highway Department maps and field notes

Prepared by the UNITED STATES GEOLOGICAL SURVEY WATER RESOURCES DIVISION in cooperation with the GEOLOGICAL SURVEY OF ALABAMA

Geologic structures taken from Moore (personal communication). Donald



FIGURE 2-AVAILABILITY OF GROUND WATER IN WASHINGTON COUNTY, ALABAMA

