

GEOLOGICAL SURVEY OF ALABAMA

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NOTICE

NEW PUBLICATION OF THE GEOLOGICAL SURVEY OF ALABAMA

Berry H. (Nick) Tew, Jr., State Geologist, announces the publication of a new report:

***Subsurface Geology, Hydrogeologic Evaluation, and Assessment of
Future Aquifer Resources of Crenshaw County, Alabama***

Bulletin 181

by Charles C. Smith

This report is part of the Geological Survey of Alabama's ongoing assessment of groundwater resources in south Alabama. The purpose of this assessment is to ensure that water supplies are adequate to meet future needs throughout the area, while preventing depletion of the resource. Bulletin 181 describes the surface and subsurface geology and hydrogeology of Crenshaw County and evaluates possible future sources of groundwater. Drillers' logs, descriptions of drill samples, and data from deep oil and gas test wells were used to develop a stratigraphic framework for the area. Using this framework, known water-producing formations, or aquifers, were mapped in parts of the county where these aquifers occur at greater depth. In addition, potential shallow aquifers were mapped. The data suggest that several water-bearing formations have significant potential for further development in areas where water demand is already high as well as in outlying areas.

The information contained in this report should allow state and local planners to provide users in Crenshaw County with adequate supplies of fresh water for the foreseeable future.

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