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Water Level Conditions in the Upper Permeable Zone of the Floridan Aquifer in the South Carolina Low Country, March 1985

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ABSTRACT

Water levels in selected wells finished in the upper permeable zone of the Floridan aquifer in Beaufort, Jasper, Colleton and Hampton Counties were measured during March 1985. The data obtained were plotted on detailed maps of Hilton Head Island, the Port Royal Island area, Ladies/St. Helena Islands, and on a generalized map of the Low Country. All data were plotted in terms of mean sea level. The following is a report based upon the data obtained.

Prior to this water-level run, measurement of water levels in the Low Country required 2-3 weeks. Water levels can change significantly during this time span, and inconsistencies were introduced. In March 1985 the run took only 4 days, owing to increased manpower. This greatly improves the accuracy of the maps produced from the data. Accuracy was also improved by making tidal corrections to water levels near tidal bodies.

Copies of this report are available in the SCDNR's Columbia office.