

Hydrology - SCWRC Report 168

Water Use and Future Requirements, Hilton Head Island and Vicinity, South Carolina

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ABSTRACT

Water supplies for Hilton Head Island are 99 percent from wells. Continuing development of the area could increase the demand for ground water by 50 percent. The rate of ground water withdrawal at present and in the future is the subject of this report.

Water use for 1986 and 1987 is compiled from data required for the South Carolina Water Resources Commission Capacity Use Program. Water use is divided into the following categories: public supply, golf course irrigation, agricultural irrigation, industry, and recreation. These categories are subdivided into individual users.

Population trends and projections from several sources show the largest growth occurring in southern Beaufort County, and with smaller growth in Jasper County. Southern Beaufort County's population could reach 75,00 by the year 2000. In the same time, Jasper County's population could reach 20,000.

Projections of ground-water withdrawals are calculated by housing unit projections, masterplans, and population projections. The results are presented for Hilton Head Island and vicinity from 1987 to 2010.

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