

Data-Collection Network

A data-collection network was designed to monitor changes in water discharge and specific conductance in the AICW. Stage data collection began in October 1981 and was continued as shown in table 2. Stage data, recorded at 15-minute intervals, were collected at four gaging stations and specific conductance data, recorded at 1-hour time intervals, were collected at five locations (fig. 4). The periods of record are given in table 2 for the data-collection locations in the AICW during the 1982-86 water years.

Table 2.--Periods of record for continuous-record data-collection locations on the Atlantic Intracoastal Waterway, 1982-86 water years

Station number	Station name	River mile	Data available	Period of record
--	Little River	344.0	Specific Conductance	June 17, 1982 to Sept. 30, 1983
02110777	Highway 9	347.3	Stage	Feb. 18, 1982 to Sept. 30, 1986
			Specific Conductance	April 14, 1986 to Sept. 30, 1986
02110730	Vereen's Marina	348.5	Specific Conductance	Feb. 18, 1982 to Sept. 30, 1986
02110770	North Myrtle Beach Airport	351.4	Specific Conductance	Apr. 26, 1982 to Sept. 30, 1983
02110755	Briarcliffe Acres	354.1	Stage	Oct. 1, 1981 to May 9, 1983
			Specific Conductance	Oct. 2, 1981 to Sept. 30, 1986
02110760	Myrtlewood Golf Course	361.4	Stage	Oct. 2, 1981 to Sept. 30, 1986
02110725	Highway 544	371.0	Stage	Sept 13, 1982 to Sept. 30, 1986

Data were also collected to determine the location of the saltwater-freshwater interface for various streamflow and tide-stage conditions. Periodic measurements of specific conductance by boat were made to determine the extent of saltwater intrusion. Measurements