



Water-Data Report 2008

**02199750 Ogeechee River at Powelton Rd, Near Powelton, GA**

Ogeechee Basin  
Upper Ogeechee Subbasin

LOCATION.--Lat 33°26'13", long 82°50'50" referenced to North American Datum of 1927, Hancock County, GA, Hydrologic Unit 03060201, at the downstream side of the bridge on Powelton Rd/County Road 28, 0.3 mile upstream from confluence with Battle Branch, 0.6 miles downstream from confluence with Powell Creek, and 2.0 miles northeast of Powelton.

DRAINAGE AREA.--123 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--January 1997 to December 1997, January 2002 to December 2002, January 2007 to December 2007 (discontinued).

REMARKS.--Analyzing agency is represented by the five-digit code listed under USGS Water Science Center special parameter code 99920. Laboratory analyses with analyzing agency code 81330 are by the Agricultural and Environmental Services Laboratory, College of Agricultural and Environmental Sciences, The University of Georgia, Athens, Georgia; laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

COOPERATION.--Georgia Department of Natural Resources, Environmental Protection Division.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[Remark codes: <, less than.]

Date	Time	Time Datum	Agency collecting sample, code	Gage height, feet (00065)	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity, water, unfltrd lab, NTU (82079)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unf lab, μS/cm 25 degC (90095)	Specific conductance, wat unf lab, μS/cm 25 degC (00095)
<b>Oct</b>													
24...	0710	EST	USGS-WRD	--	--	42	745	2.3	25	6.9	6.8	110	119
<b>Nov</b>													
14...	0830	EST	USGS-WRD	1.78	<.90	--	753	3.4	30	6.3	7.1	120	131
<b>Dec</b>													
05...	0845	EST	USGS-WRD	2.06	2.7	--	746	4.6	39	6.5	7.4	110	112

## 02199750 OGEECHEE RIVER AT POWELTON RD, NEAR POWELTON, GA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

[Remark codes: &lt;, less than.]

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO <sub>3</sub> (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (00417)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate + nitrite water unfltrd mg/L as N (00630)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L as P (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	USGS Water Science Center special 99920 (99920)
<b>Oct</b> 24...	15.9	18.6	42	53	100	.460	<.030	<.020	--	.07	2.7	<2.0	81341
<b>Nov</b> 14...	11.6	9.7	--	60	<3	.420	<.030	<.050	<.0200	.06	15.7	4.2	81330
<b>Dec</b> 05...	1.7	6.9	--	50	40	2.1	<.030	<.050	.0300	.11	15.6	2.6	81330