

Water-Data Report 2007

**02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA**

Coosa-Tallapoosa Basin  
Coosawattee Subbasin

LOCATION.--Lat 34°31'00", long 84°47'50" referenced to North American Datum of 1927, Gordon County, GA, Hydrologic Unit 03150102, at Loves Bridge on Loves Bridge Road, 4.2 miles upstream from confluence with Coosawattee River, 1.2 miles downstream from confluence with Pine Log Creek, and 1.6 miles southeast from Redbud, GA.

DRAINAGE AREA.--218 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: January 2005 to January 2007.

GAGE-HEIGHT: January 2005 to January 2007.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 650 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

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

REMARKS.--Discharge and gage-height records are good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height recorded, 26.61 feet, July 11, 2005; minimum gage-height recorded, 9.73 feet, September 11-12, 2006; minimum daily discharge, 7.8 cfs, August 10, 2006.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded (partial year), 2,070 cfs, November 16; maximum gage-height recorded (partial year), 19.72 feet, November 16; minimum gage-height recorded (partial year), 9.77 feet, October 11,14; minimum daily discharge (partial year), 17 cfs, October 11,14,15.

## 02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	68	105	205	---	---	---	---	---	---	---	---
2	28	65	99	170	---	---	---	---	---	---	---	---
3	24	62	83	126	---	---	---	---	---	---	---	---
4	24	60	72	106	---	---	---	---	---	---	---	---
5	20	57	65	100	---	---	---	---	---	---	---	---
6	20	55	61	119	---	---	---	---	---	---	---	---
7	18	62	60	123	---	---	---	---	---	---	---	---
8	18	92	56	637	---	---	---	---	---	---	---	---
9	19	112	53	354	---	---	---	---	---	---	---	---
10	18	88	52	213	---	---	---	---	---	---	---	---
11	17	77	51	163	---	---	---	---	---	---	---	---
12	21	72	51	139	---	---	---	---	---	---	---	---
13	19	76	54	129	---	---	---	---	---	---	---	---
14	17	69	55	122	---	---	---	---	---	---	---	---
15	17	268	52	106	---	---	---	---	---	---	---	---
16	18	1,670	49	106	---	---	---	---	---	---	---	---
17	55	414	47	97	---	---	---	---	---	---	---	---
18	156	230	50	88	---	---	---	---	---	---	---	---
19	78	167	47	87	---	---	---	---	---	---	---	---
20	84	134	43	83	---	---	---	---	---	---	---	---
21	90	113	42	92	---	---	---	---	---	---	---	---
22	69	119	50	310	---	---	---	---	---	---	---	---
23	60	109	93	235	---	---	---	---	---	---	---	---
24	52	96	82	---	---	---	---	---	---	---	---	---
25	45	78	77	---	---	---	---	---	---	---	---	---
26	44	70	89	---	---	---	---	---	---	---	---	---
27	114	70	84	---	---	---	---	---	---	---	---	---
28	295	82	74	---	---	---	---	---	---	---	---	---
29	141	66	71	---	---	---	---	---	---	---	---	---
30	97	69	66	---	---	---	---	---	---	---	---	---
31	78	---	67	---	---	---	---	---	---	---	---	---
<b>Total</b>	1,788	4,770	2,000	---	---	---	---	---	---	---	---	---
<b>Mean</b>	57.7	159	64.5	---	---	---	---	---	---	---	---	---
<b>Max</b>	295	1,670	105	---	---	---	---	---	---	---	---	---
<b>Min</b>	17	55	42	---	---	---	---	---	---	---	---	---
<b>Cfsm</b>	0.26	0.73	0.30	---	---	---	---	---	---	---	---	---
<b>In.</b>	0.31	0.81	0.34	---	---	---	---	---	---	---	---	---

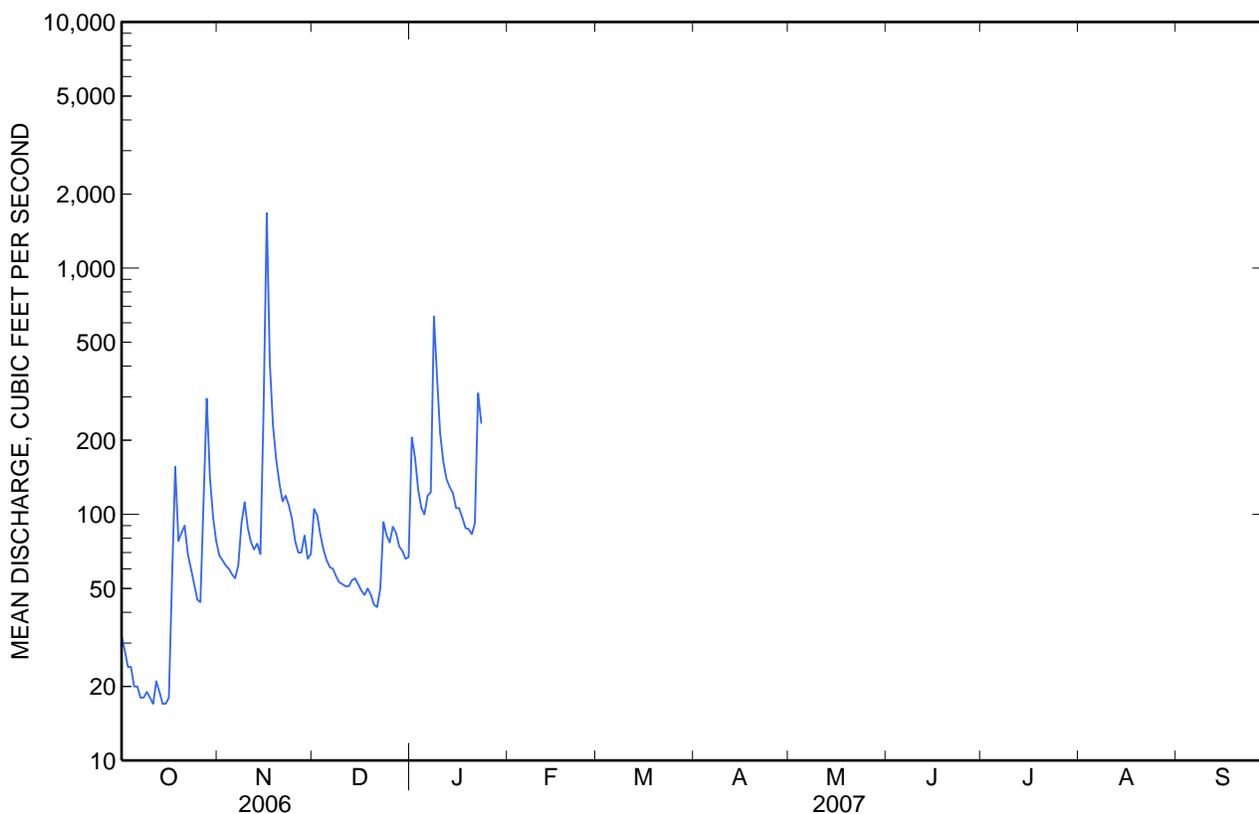
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	46.8	112	118	330	376	435	367	140	94.5	258	67.5	37.6
<b>Max</b>	57.7	159	172	330	471	589	519	172	127	488	108	45.2
<b>(WY)</b>	(2007)	(2007)	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
<b>Min</b>	35.9	64.9	64.5	330	281	281	215	108	61.6	27.8	27.2	29.9
<b>(WY)</b>	(2006)	(2006)	(2007)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Years 2005 - 2007	
<b>Annual total</b>	49,613.9			
<b>Annual mean</b>	136		135	
<b>Highest annual mean</b>			135	2006
<b>Lowest annual mean</b>			135	2006
<b>Highest daily mean</b>	1,780	Mar 21	3,400	Jul 12, 2005
<b>Lowest daily mean</b>	7.8	Aug 10	7.8	Aug 10, 2006
<b>Annual seven-day minimum</b>	12	Aug 5	12	Aug 5, 2006
<b>Maximum peak flow</b>			4,450	Jul 11, 2005
<b>Maximum peak stage</b>			26.61	Jul 11, 2005
<b>Annual runoff (cfsm)</b>	0.624		0.621	
<b>Annual runoff (inches)</b>	8.47		8.44	
<b>10 percent exceeds</b>	294		296	
<b>50 percent exceeds</b>	78		82	
<b>90 percent exceeds</b>	19		23	

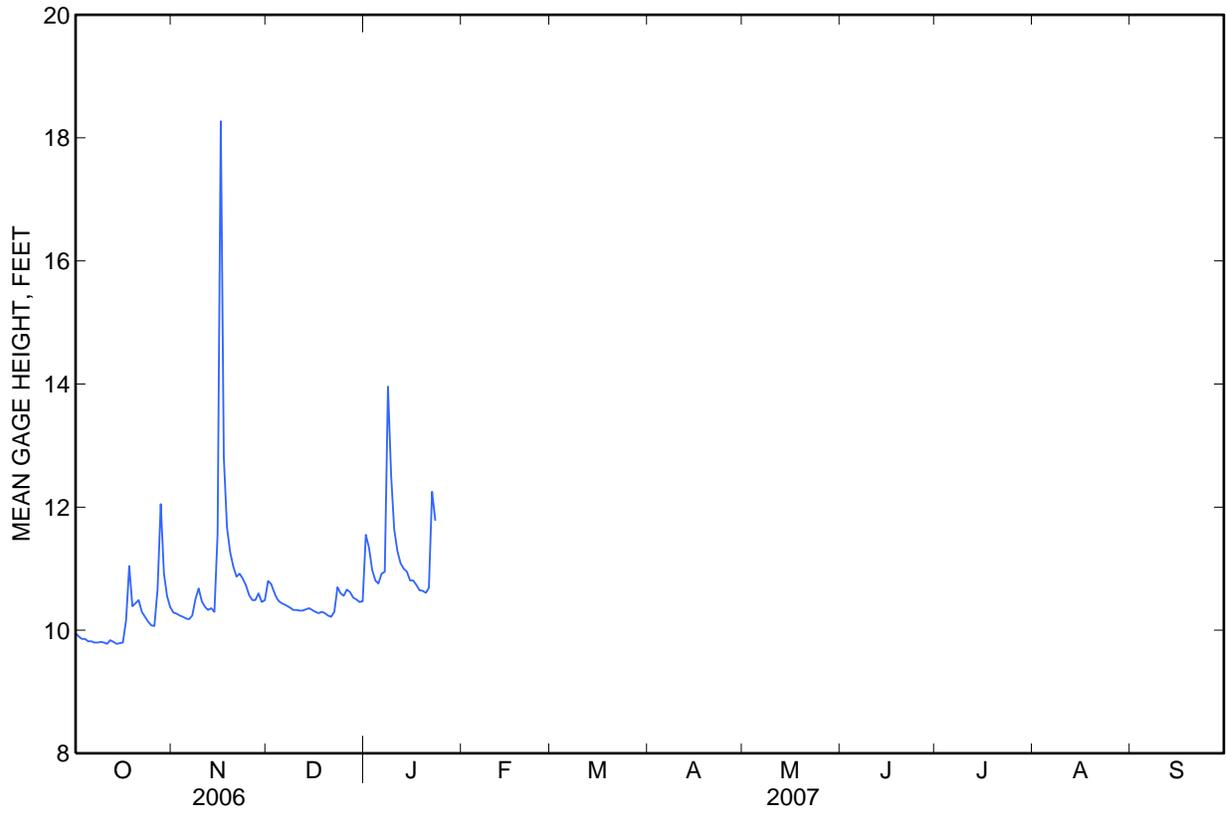


## 02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.95	10.29	10.80	11.55	---	---	---	---	---	---	---	---
2	9.90	10.27	10.75	11.34	---	---	---	---	---	---	---	---
3	9.86	10.24	10.61	10.98	---	---	---	---	---	---	---	---
4	9.86	10.22	10.51	10.81	---	---	---	---	---	---	---	---
5	9.82	10.19	10.45	10.76	---	---	---	---	---	---	---	---
6	9.82	10.18	10.42	10.92	---	---	---	---	---	---	---	---
7	9.80	10.24	10.40	10.95	---	---	---	---	---	---	---	---
8	9.80	10.51	10.37	13.96	---	---	---	---	---	---	---	---
9	9.81	10.68	10.33	12.51	---	---	---	---	---	---	---	---
10	9.80	10.47	10.33	11.65	---	---	---	---	---	---	---	---
11	9.78	10.38	10.32	11.29	---	---	---	---	---	---	---	---
12	9.84	10.33	10.32	11.09	---	---	---	---	---	---	---	---
13	9.81	10.36	10.34	11.00	---	---	---	---	---	---	---	---
14	9.78	10.30	10.36	10.95	---	---	---	---	---	---	---	---
15	9.79	11.57	10.33	10.81	---	---	---	---	---	---	---	---
16	9.80	18.27	10.30	10.81	---	---	---	---	---	---	---	---
17	10.16	12.81	10.28	10.74	---	---	---	---	---	---	---	---
18	11.04	11.67	10.30	10.65	---	---	---	---	---	---	---	---
19	10.39	11.27	10.28	10.64	---	---	---	---	---	---	---	---
20	10.44	11.03	10.24	10.61	---	---	---	---	---	---	---	---
21	10.49	10.87	10.22	10.69	---	---	---	---	---	---	---	---
22	10.30	10.92	10.30	12.25	---	---	---	---	---	---	---	---
23	10.22	10.84	10.70	11.79	---	---	---	---	---	---	---	---
24	10.14	10.73	10.60	---	---	---	---	---	---	---	---	---
25	10.08	10.57	10.56	---	---	---	---	---	---	---	---	---
26	10.07	10.49	10.66	---	---	---	---	---	---	---	---	---
27	10.67	10.49	10.62	---	---	---	---	---	---	---	---	---
28	12.05	10.60	10.53	---	---	---	---	---	---	---	---	---
29	10.92	10.46	10.50	---	---	---	---	---	---	---	---	---
30	10.55	10.49	10.46	---	---	---	---	---	---	---	---	---
31	10.38	---	10.47	---	---	---	---	---	---	---	---	---
<b>Mean</b>	10.17	10.92	10.44	---	---	---	---	---	---	---	---	---
<b>Max</b>	12.05	18.27	10.80	---	---	---	---	---	---	---	---	---
<b>Min</b>	9.78	10.18	10.22	---	---	---	---	---	---	---	---	---

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued



**02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--January to December 2001; June 2005 to October 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: January 2005 to January 2007.

INSTRUMENTATION.--Satellite telemetry with a continuous water temperature thermistor.

REMARKS.--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. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

Continuous water-temperature record is good for the year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 28.8°C, August 08, 2006; minimum recorded, 1.8°C, December 23, 2005.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 28.8°C, August 8; minimum recorded, 1.8°C, December 23.

## 02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.0	16.6	17.6	14.2	12.4	13.2	15.3	13.2	14.7	11.7	10.7	11.2
2	18.8	16.6	17.8	14.1	12.0	13.4	13.2	11.0	11.6	10.7	8.7	9.7
3	19.2	17.1	18.1	12.0	9.8	10.8	11.0	9.6	10.3	8.7	7.1	7.9
4	19.9	17.8	18.8	10.2	8.2	9.2	9.7	6.7	7.9	10.5	8.1	9.1
5	20.2	18.0	19.1	10.0	7.6	8.8	6.7	5.1	5.8	12.3	10.5	11.4
6	20.4	18.4	19.5	10.5	8.3	9.3	6.3	4.7	5.5	12.8	11.3	12.0
7	18.4	16.5	17.3	10.8	9.8	10.3	6.4	4.8	5.9	12.7	11.5	12.1
8	17.4	15.3	16.4	12.0	10.8	11.4	4.8	3.0	3.6	12.7	11.0	12.1
9	18.6	16.2	17.3	12.8	11.0	12.0	3.2	1.8	2.6	11.0	8.0	9.3
10	18.8	16.9	17.8	13.4	11.8	12.6	3.1	1.8	2.5	8.0	6.5	7.3
11	19.5	17.6	18.5	13.3	12.2	12.9	4.6	2.8	3.6	6.7	5.7	6.2
12	18.6	16.6	17.5	12.2	10.8	11.6	7.2	4.2	5.5	8.4	6.3	7.3
13	16.6	13.9	15.2	10.9	9.5	10.2	8.9	7.2	8.1	10.5	8.4	9.4
14	14.1	11.9	12.9	10.6	8.8	9.7	9.0	7.5	8.3	12.3	10.2	11.1
15	13.3	10.6	12.0	11.9	10.1	10.9	9.0	7.6	8.3	13.1	11.8	12.4
16	13.1	12.4	12.8	12.4	11.7	12.1	8.8	7.3	8.1	13.0	10.0	11.9
17	15.0	13.1	14.1	11.7	10.5	11.2	8.8	7.2	8.0	10.0	8.1	8.8
18	16.1	14.3	15.3	10.6	9.6	10.2	9.0	7.4	8.2	8.1	6.9	7.3
19	16.7	15.8	16.2	10.0	9.1	9.5	9.8	8.1	8.9	7.7	6.6	7.1
20	16.8	14.6	16.0	9.3	7.9	8.7	9.4	8.5	9.0	7.0	5.7	6.5
21	14.9	13.6	14.2	7.9	6.6	7.3	10.0	9.0	9.5	6.8	6.3	6.6
22	15.4	14.0	14.6	8.2	6.4	7.3	11.3	10.0	10.7	7.5	6.7	7.2
23	14.3	11.4	12.9	8.7	6.8	7.8	12.0	10.9	11.4	7.6	7.0	7.4
24	11.4	9.8	10.5	8.9	6.9	8.1	11.0	9.2	10.1	---	---	---
25	10.2	8.8	9.5	9.2	7.3	8.4	10.5	10.1	10.3	---	---	---
26	11.9	9.8	10.8	9.0	7.4	8.4	10.4	8.8	9.4	---	---	---
27	12.7	11.6	12.1	9.1	7.5	8.4	8.8	7.5	8.1	---	---	---
28	13.5	12.4	13.0	10.9	9.1	10.0	7.5	6.0	6.8	---	---	---
29	13.2	11.4	12.4	12.9	10.9	11.9	7.2	6.2	6.7	---	---	---
30	13.0	11.2	12.3	14.9	12.9	13.9	8.8	6.6	7.5	---	---	---
31	13.0	12.0	12.5	---	---	---	11.2	8.8	10.0	---	---	---
Month	20.4	8.8	15.0	14.9	6.4	10.3	15.3	1.8	8.0	---	---	---

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

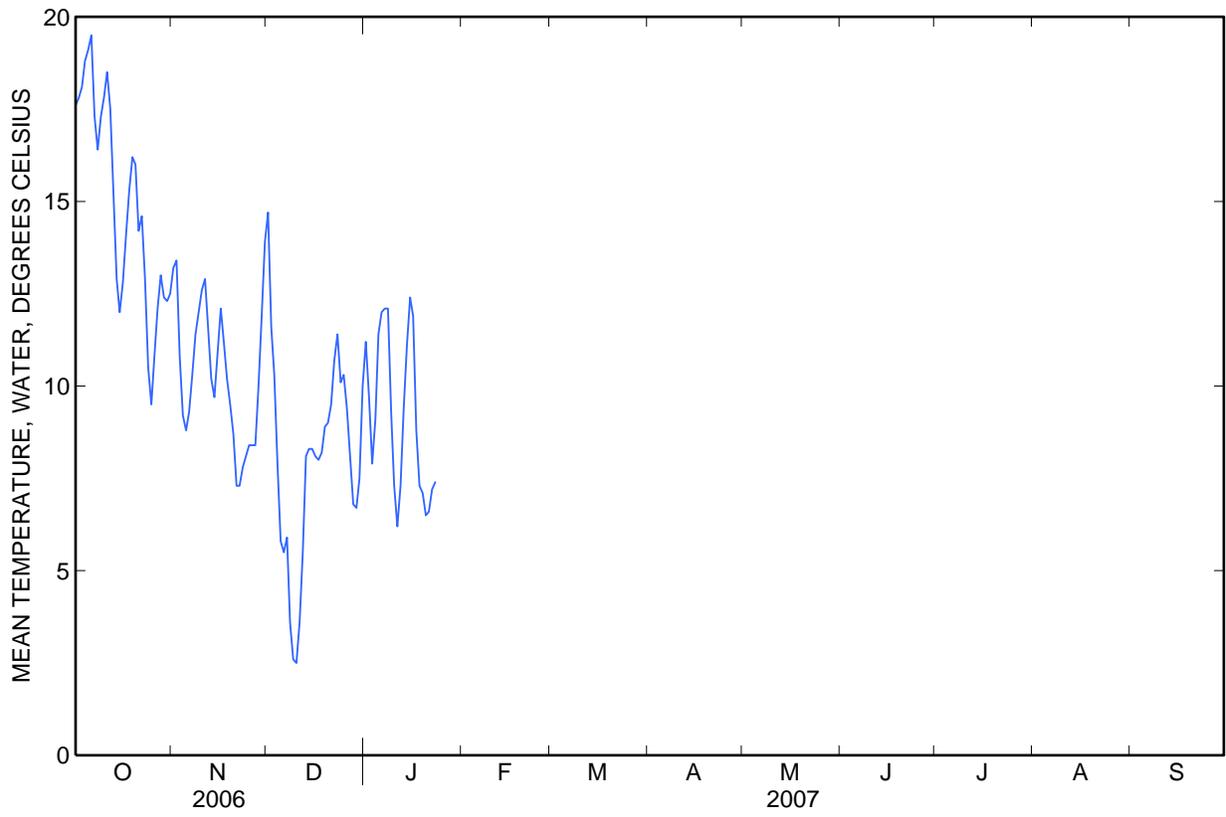
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
<b>Month</b>	---	---	---	---	---	---	---	---	---	---	---	---

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued



**02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued****CLIMATOLOGICAL RECORDS**

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

PERIOD OF RECORD.--January 2005 to January 2007.

INSTRUMENTATION.--Tipping-bucket raingage.

REMARKS.--Records good.

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY SUM VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.24	0.02	0.12	0.00	---	---	---	---	---	---	---	---
<b>2</b>	0.00	0.06	0.00	0.00	---	---	---	---	---	---	---	---
<b>3</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>4</b>	0.00	0.00	0.00	0.03	---	---	---	---	---	---	---	---
<b>5</b>	0.00	0.00	0.00	0.13	---	---	---	---	---	---	---	---
<b>6</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>7</b>	0.00	0.65	0.00	0.76	---	---	---	---	---	---	---	---
<b>8</b>	0.00	0.04	0.00	0.00	---	---	---	---	---	---	---	---
<b>9</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>10</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>11</b>	0.06	0.11	0.00	0.00	---	---	---	---	---	---	---	---
<b>12</b>	0.00	0.00	0.05	0.00	---	---	---	---	---	---	---	---
<b>13</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>14</b>	0.00	0.04	0.00	0.00	---	---	---	---	---	---	---	---
<b>15</b>	0.00	2.66	0.00	0.14	---	---	---	---	---	---	---	---
<b>16</b>	0.21	0.29	0.00	0.05	---	---	---	---	---	---	---	---
<b>17</b>	1.81	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>18</b>	0.00	0.00	0.00	0.04	---	---	---	---	---	---	---	---
<b>19</b>	0.37	0.00	0.00	0.01	---	---	---	---	---	---	---	---
<b>20</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>21</b>	0.00	0.00	0.02	1.08	---	---	---	---	---	---	---	---
<b>22</b>	0.26	0.00	0.54	0.00	---	---	---	---	---	---	---	---
<b>23</b>	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	---
<b>24</b>	0.00	0.00	0.01	---	---	---	---	---	---	---	---	---
<b>25</b>	0.00	0.00	0.31	---	---	---	---	---	---	---	---	---
<b>26</b>	0.00	0.00	0.00	---	---	---	---	---	---	---	---	---
<b>27</b>	2.12	0.00	0.00	---	---	---	---	---	---	---	---	---
<b>28</b>	0.00	0.00	0.00	---	---	---	---	---	---	---	---	---
<b>29</b>	0.00	0.01	0.00	---	---	---	---	---	---	---	---	---
<b>30</b>	0.00	0.56	0.00	---	---	---	---	---	---	---	---	---
<b>31</b>	0.00	---	0.73	---	---	---	---	---	---	---	---	---
<b>Total</b>	5.07	4.44	1.78	---	---	---	---	---	---	---	---	---

02383180 SALACOA CREEK AT CR 29, NEAR REDBUD, GA—Continued

