



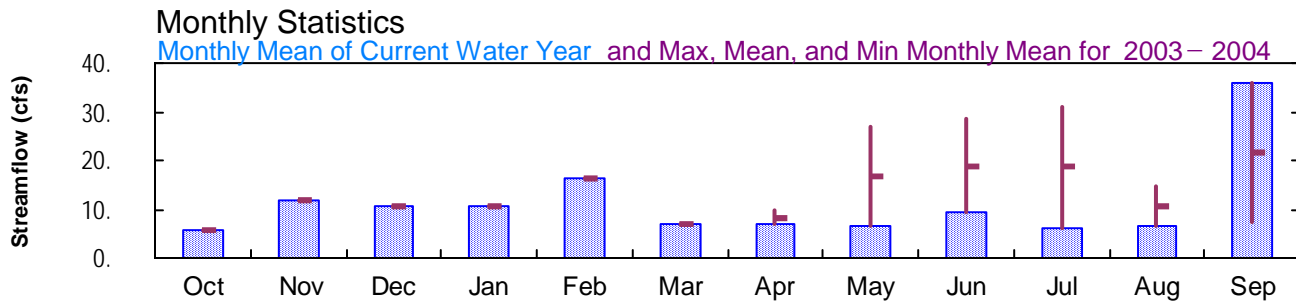
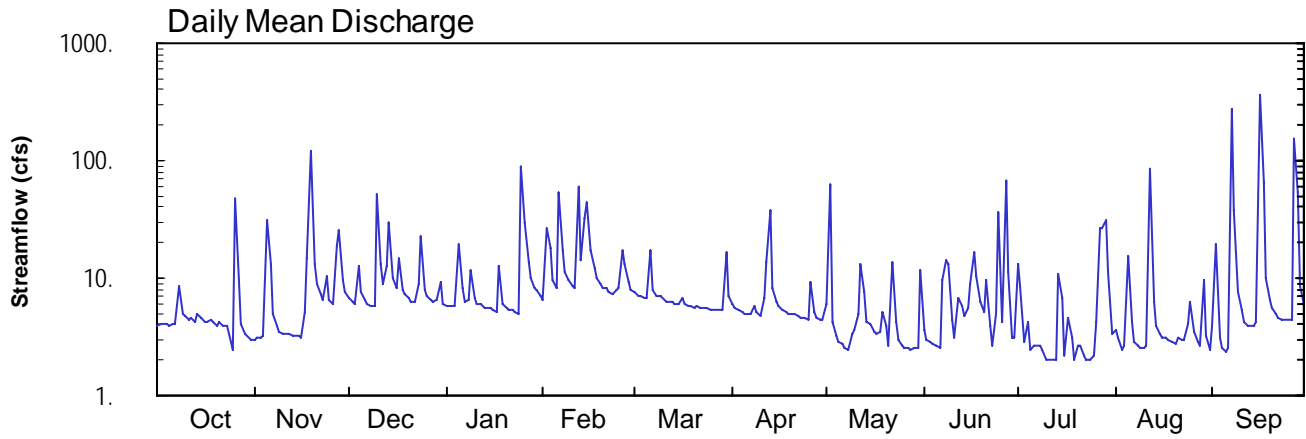
2004 Water Year  
ALTAMAHA RIVER BASIN

02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA

Latitude: 33° 55 ' 33"  
Gwinnett County

Longitude: 084° 02 ' 16"  
Datum: 950.00 feet

Hydrologic Unit Code: 03070103  
Drainage Area: 7. mi<sup>2</sup>



NO PHOTOS AVAILABLE FOR THIS SITE

**ALTAMAHA RIVER BASIN  
2003 and 2004 Water Years**

**02205522 PEW CREEK AT PATTERSON ROAD, NEAR LAWRENCEVILLE, GA**

**LOCATION.**—Lat 33°55'33", long 84°02'16" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at bridge crossing on Patterson Road, 1.0 miles east of intersection of GA 29 and Patterson Road.

**DRAINAGE AREA.**—7.0 square miles.

**COOPERATION.**—City of Lawrenceville.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—March 27, 2003 to current year.

**GAGE.**—Water-stage recorder. Datum of gage 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records fair, except for periods of estimated discharge, which are poor.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—March 27, 2003 to current year.

**GAGE.**—Water-stage recorder. Datum of gage 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

**REMARKS.**—Records good.

**EXTREMES FOR 2003 WATER YEAR.**—Maximum gage-height recorded, 18.14 feet (from floodmark), June 17; minimum gage-height recorded, 3.63 feet, May 1.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 13.24 feet, September 16; minimum gage-height recorded, 3.57 feet, October 24, 25.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—March 27, 2003 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0\* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Discharge, cubic feet per second  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.0	6.8	5.8	6.6	7.6	6.1	6.1	3.6	e13	e3.6	3.9
2	4.1	3.1	6.3	5.7	26	7.1	5.5	63	3.0	e8.6	e3.1	19
3	4.0	3.2	6.0	5.7	18	7.0	5.3	4.3	2.8	e2.9	e2.4	3.1
4	4.0	3.3	13	5.7	9.7	6.7	5.1	3.2	2.7	e4.3	e2.7	2.6
5	4.0	31	7.5	20	8.3	6.6	5.0	2.8	2.6	e2.4	15	2.4
6	4.0	13	6.4	8.2	53	17	5.0	2.7	2.6	e2.7	4.2	2.5
7	4.1	4.9	6.0	6.3	17	7.8	5.0	2.5	9.5	e2.7	2.9	279
8	8.5	3.9	5.9	6.4	11	6.9	5.7	2.5	14	e2.7	2.6	37
9	4.9	3.5	5.8	11	9.7	7.0	5.1	3.4	13	e2.4	2.5	7.7
10	4.7	3.4	51	6.8	8.7	e6.7	4.8	3.6	4.4	e2.0	2.5	5.4
11	4.5	3.3	13	6.0	8.1	e6.3	6.9	5.0	3.1	e2.0	2.6	4.3
12	4.7	3.3	8.9	5.9	60	6.3	14	13	6.8	e2.0	87	3.9
13	4.3	3.2	13	5.6	14	6.2	37	7.6	5.8	e2.0	6.2	4.0
14	5.0	3.2	30	5.6	33	6.0	8.2	4.3	4.7	e11	3.9	4.0
15	4.6	3.2	10	5.6	43	6.1	6.2	4.0	5.5	e6.8	3.3	4.3
16	4.2	3.1	8.3	5.3	17	6.9	5.7	3.5	8.8	e2.2	3.1	e364
17	4.2	5.2	15	5.2	12	6.0	5.4	3.4	16	e4.5	3.0	65
18	4.4	15	8.0	13	10	5.8	5.2	3.5	11	e3.1	2.9	10
19	4.3	122	7.2	6.1	8.9	5.7	5.0	5.1	6.3	e2.0	2.8	6.5
20	4.0	13	6.7	5.7	8.3	5.6	5.0	4.0	5.1	e2.7	2.8	5.5
21	4.2	8.9	6.4	5.4	8.3	5.9	4.9	2.7	9.7	e2.7	3.1	5.0
22	3.9	7.3	6.3	5.3	7.7	5.5	4.7	14	e3.9	e2.2	3.0	4.7
23	3.9	6.5	8.8	5.1	7.2	5.5	4.7	4.2	e2.7	e2.0	3.0	4.4
24	3.4	10	23	5.0	7.9	5.5	4.6	3.0	e5.0	e2.0	4.1	4.4
25	2.5	6.5	7.8	89	8.3	5.4	4.4	2.6	e37	e2.2	6.3	4.4
26	48	6.0	7.0	29	17	5.4	9.4	2.6	e4.3	e4.3	3.4	4.4
27	9.5	19	6.5	14	13	5.4	5.2	2.6	e67	e26	2.9	151
28	4.1	25	6.3	9.9	9.1	5.4	4.6	2.5	e11	e26	2.7	53
29	3.4	9.6	6.5	8.4	8.0	5.3	4.4	2.5	e3.1	e31	9.6	8.5
30	3.1	7.7	9.2	7.8	---	16	4.4	2.6	e3.1	e11	3.2	5.9
31	3.0	---	6.1	7.0	---	7.2	---	12	---	e3.4	2.5	---
MEAN	5.79	11.8	10.6	10.7	16.2	6.90	6.75	6.41	9.27	6.28	6.55	36.0
MAX	48	122	51	89	60	17	37	63	67	31	87	364
MIN	2.5	3.0	5.8	5.0	6.6	5.3	4.4	2.5	2.6	2.0	2.4	2.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

	2003	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003
MEAN	5.79	11.8	10.6	10.7	16.2	6.90	8.31	16.7	18.9	18.8	10.5	21.6
MAX	5.79	11.8	10.6	10.7	16.2	6.90	9.87	27.0	28.5	31.2	14.5	36.0
(WY)	2004	2004	2004	2004	2004	2004	2003	2003	2003	2003	2003	2004
MIN	5.79	11.8	10.6	10.7	16.2	6.90	6.75	6.41	9.27	6.28	6.55	7.27
(WY)	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2003

SUMMARY STATISTICS FOR 2004 WATER YEAR WATER YEARS 2003 - 2004

ANNUAL MEAN	11.0	11.0
HIGHEST ANNUAL MEAN	11.0	2004
LOWEST ANNUAL MEAN	11.0	2004
HIGHEST DAILY MEAN	e 364	Sep 16 2004
LOWEST DAILY MEAN	e 2.0	Jul 10 2004
ANNUAL SEVEN-DAY MINIMUM	2.3	Jul 7 2004
MAXIMUM PEAK STAGE	13.24	Sep 16 2003
10 PERCENT EXCEEDS	16	16
50 PERCENT EXCEEDS	5.5	5.5
90 PERCENT EXCEEDS	2.7	2.7

e Estimated  
 a Also Jul 11-13,19,23,24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02205522 PEW CREEK AT PATTERSON RD, NEAR LAWRENCEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0\* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Gage height, feet  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.75	3.65	3.72	3.66	3.70	3.80	3.73	3.72	3.84	---	---	3.83
2	3.75	3.66	3.69	3.66	4.10	3.78	3.70	4.91	3.78	---	---	4.19
3	3.73	3.66	3.67	3.66	4.07	3.77	3.68	3.89	3.76	---	---	3.79
4	3.73	3.67	3.91	3.66	3.83	3.76	3.67	3.80	3.75	---	---	3.74
5	3.73	4.21	3.75	3.99	3.78	3.76	3.66	3.76	3.74	---	4.04	3.71
6	3.73	4.07	3.70	3.77	4.65	4.03	3.66	3.75	3.74	---	3.88	3.73
7	3.74	3.80	3.67	3.69	4.06	3.81	3.66	3.73	3.87	---	3.77	7.28
8	3.93	3.72	3.67	3.69	3.89	3.77	3.70	3.72	4.19	---	3.74	4.58
9	3.79	3.69	3.66	3.88	3.83	3.77	3.67	3.82	4.16	---	3.73	4.07
10	3.79	3.68	4.63	3.71	3.80	3.76	3.65	3.84	3.90	---	3.73	3.97
11	3.77	3.68	3.94	3.67	3.77	3.74	3.75	3.91	3.79	---	3.74	3.90
12	3.78	3.68	3.81	3.67	4.84	3.74	3.86	4.03	3.83	---	5.15	3.86
13	3.75	3.66	3.88	3.65	4.03	3.73	4.43	4.03	3.94	---	4.00	3.87
14	3.79	3.66	4.28	3.65	4.38	3.72	3.82	3.89	3.90	---	3.86	3.87
15	3.77	3.66	3.85	3.65	4.56	3.73	3.73	3.87	3.95	---	3.81	3.89
16	3.75	3.65	3.78	3.63	4.11	3.77	3.71	3.83	3.94	---	3.79	6.02
17	3.75	3.78	3.97	3.63	3.96	3.72	3.69	3.82	4.09	---	3.79	4.99
18	3.76	3.89	3.77	3.90	3.90	3.71	3.68	3.83	3.95	---	3.77	4.11
19	3.75	5.54	3.73	3.68	3.86	3.71	3.66	3.90	3.81	---	3.76	3.98
20	3.73	3.95	3.71	3.65	3.83	3.70	3.66	3.85	3.74	---	3.76	3.92
21	3.75	3.80	3.69	3.64	3.83	3.71	3.65	3.75	3.89	---	3.79	3.89
22	3.72	3.74	3.69	3.63	3.80	3.70	3.65	4.04	---	---	3.78	3.87
23	3.73	3.70	3.75	3.62	3.79	3.69	3.64	3.88	---	---	3.78	3.85
24	3.67	3.83	4.11	3.62	3.81	3.69	3.63	3.78	---	---	3.85	3.85
25	3.58	3.70	3.76	5.29	3.83	3.69	3.63	3.74	---	---	3.92	3.85
26	4.52	3.68	3.72	4.31	4.09	3.69	3.82	3.73	---	---	3.82	3.85
27	3.96	3.95	3.70	3.96	4.00	3.69	3.67	3.73	---	---	3.77	5.80
28	3.74	4.23	3.69	3.84	3.86	3.69	3.63	3.72	---	---	3.75	4.82
29	3.68	3.83	3.70	3.79	3.82	3.68	3.62	3.73	---	---	3.92	4.06
30	3.65	3.75	3.80	3.76	---	4.01	3.62	3.73	---	---	3.80	3.95
31	3.64	---	3.68	3.72	---	3.78	---	4.03	---	---	3.72	---
MEAN	3.77	3.84	3.81	3.78	3.99	3.75	3.71	3.86	---	---	---	4.24
MAX	4.52	5.54	4.63	5.29	4.84	4.03	4.43	4.91	---	---	---	7.28
MIN	3.58	3.65	3.66	3.62	3.70	3.68	3.62	3.72	---	---	---	3.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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 LATITUDE 335533 LONGITUDE 0840216 NAD27 DRAINAGE AREA 7.0\* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Precipitation, total, inches  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	---	---	---	0.39
2	0.01	0.00	0.00	0.00	0.65	0.00	0.00	0.03	---	---	---	0.01
3	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	---	---	---	0.00
4	0.00	0.01	0.34	0.00	0.00	0.01	0.00	0.00	---	---	---	0.00
5	0.00	1.08	0.01	0.50	0.02	0.00	0.00	0.00	---	---	0.07	0.00
6	0.03	0.12	0.00	0.00	0.84	0.13	0.00	0.00	---	---	0.00	3.17
7	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	1.09
8	0.28	0.00	0.00	0.04	0.00	0.00	0.10	0.00	---	---	0.00	0.00
9	0.02	0.00	0.00	0.20	0.00	0.00	0.01	0.00	0.09	---	0.00	0.00
10	0.00	0.00	1.07	0.02	0.01	0.00	0.00	0.00	0.00	---	0.00	0.00
11	0.02	0.00	0.00	0.00	0.14	0.00	0.21	---	0.00	---	2.43	0.00
12	0.00	0.00	0.00	0.00	0.86	0.00	0.78	---	0.11	---	0.00	0.00
13	0.00	0.00	0.41	0.00	0.00	0.00	0.20	---	0.19	---	0.00	0.00
14	0.12	0.00	0.22	0.00	0.50	0.00	0.00	---	0.15	---	0.00	0.00
15	0.00	0.00	0.00	0.00	0.43	0.07	0.00	---	0.20	---	0.00	0.40
16	0.00	0.01	0.11	0.00	0.00	0.05	0.00	---	0.13	---	0.00	2.96
17	0.07	0.23	0.14	0.21	0.01	0.00	0.00	---	0.02	---	0.00	0.01
18	0.00	0.99	0.01	0.13	0.00	0.00	0.00	---	0.09	---	0.00	0.00
19	0.00	1.37	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.06	0.00	---	0.00	---	0.11	0.00
21	0.00	0.00	0.00	0.00	0.04	0.00	0.00	---	0.10	---	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.30	---	0.00	0.00
23	0.00	0.00	0.52	0.00	0.00	0.00	0.00	---	0.22	---	0.00	0.00
24	0.00	0.21	0.01	0.00	0.06	0.00	0.00	---	0.01	---	0.00	0.00
25	0.00	0.00	0.00	1.82	0.16	0.00	0.00	---	---	---	0.48	0.00
26	1.67	0.00	0.00	0.05	0.07	0.00	0.42	---	---	---	0.00	0.07
27	0.01	0.64	0.00	0.00	0.45	0.00	0.00	---	---	---	0.00	2.71
28	0.00	0.23	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
29	0.00	0.00	0.06	0.00	0.00	0.32	0.00	---	---	---	0.01	0.00
30	0.00	0.00	0.13	0.00	---	0.21	0.07	---	---	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.14	---	---	---	---	0.18	---
TOTAL	2.25	4.89	3.04	2.97	4.26	0.99	1.79	---	---	---	---	10.81