

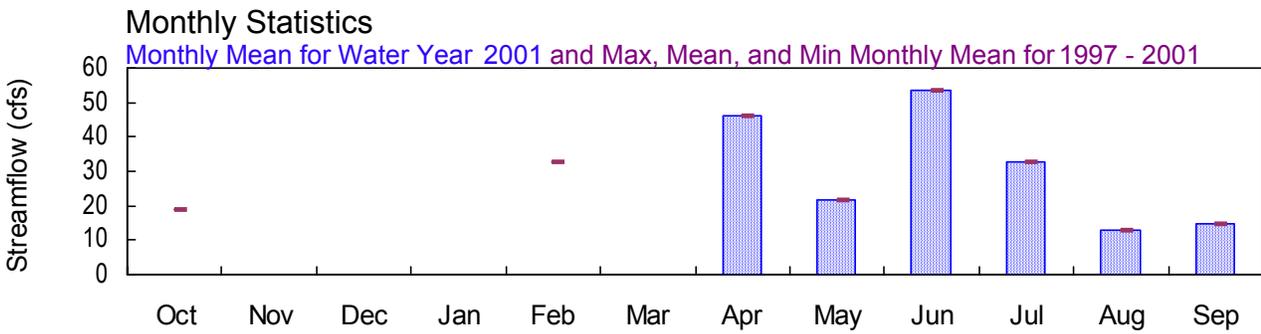
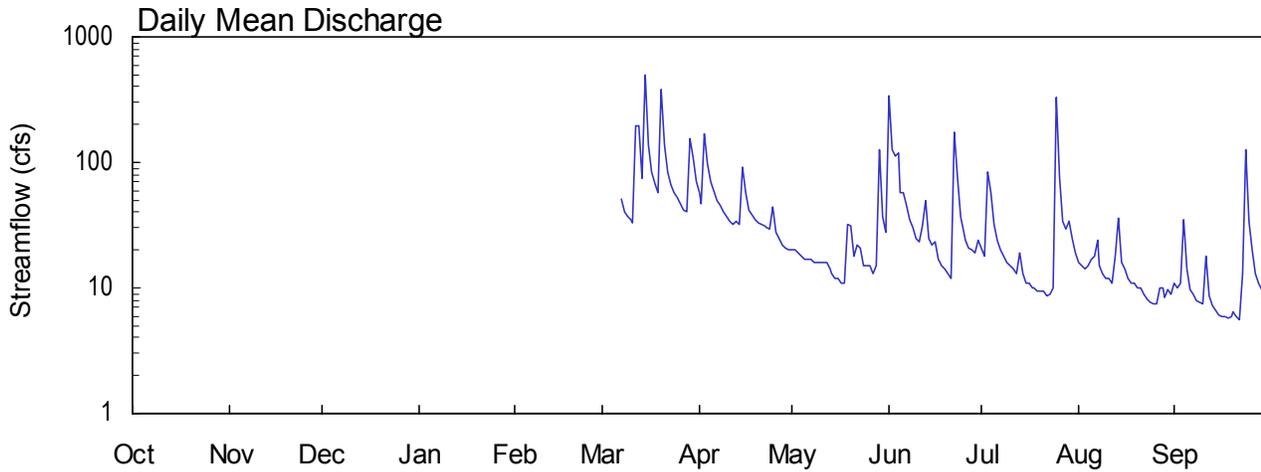


ALTAMAHA RIVER BASIN

2001 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

Latitude: 33° 55' 03" Longitude: 83° 53' 17" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 28.2 mi² Datum: 850 feet Period of Record: 1997 - 2001



**ALTAMAHA RIVER BASIN
2001 Water Year**

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.--Lat 33°55'03", long 83°53'17", Gwinnett County, Hydrologic Unit 03070103, 80 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.--28.2 mi².

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 7, 2001 to September 30, 2001.

GAGE.--Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above sea level (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,270 ft³/s, March 15; minimum daily discharge, 5.6 ft³/s, September 22.

WATER-STAGE RECORDS

PERIOD OF RECORD.--March 7, 2001 to September 30, 2001.

GAGE.--Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above sea level (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height, 9.46 feet, March 15; minimum gage-height, 2.82 feet, September 22-23.

PRECIPITATION RECORDS

PERIOD OF RECORD.--March 7, 2001 to September 30, 2001.

GAGE.—Tipping-bucket raingage.

REMARKS.--Records good.

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335503 LONGITUDE 0835317 DRAINAGE AREA 28.2 DATUM STATE 13 COUNTY 135

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	58	20	336	21	16	11
2	---	---	---	---	---	---	47	20	125	18	15	10
3	---	---	---	---	---	---	170	19	112	85	14	11
4	---	---	---	---	---	---	98	18	118	58	15	35
5	---	---	---	---	---	---	70	17	58	32	17	14
6	---	---	---	---	---	---	59	17	58	24	18	9.8
7	---	---	---	---	---	51	50	17	46	20	24	8.8
8	---	---	---	---	---	41	45	16	35	18	15	8.0
9	---	---	---	---	---	37	41	16	30	16	13	7.8
10	---	---	---	---	---	35	37	16	25	15	12	7.5
11	---	---	---	---	---	33	34	16	23	14	12	18
12	---	---	---	---	---	196	32	16	31	13	11	8.7
13	---	---	---	---	---	198	34	14	49	19	18	7.3
14	---	---	---	---	---	75	32	13	25	13	36	6.7
15	---	---	---	---	---	501	92	12	22	11	16	6.1
16	---	---	---	---	---	138	58	12	23	11	14	5.9
17	---	---	---	---	---	85	42	11	17	10	12	6.0
18	---	---	---	---	---	68	38	11	15	10	11	5.8
19	---	---	---	---	---	58	35	32	14	9.4	e11	5.9
20	---	---	---	---	---	379	33	31	13	9.3	e10	6.4
21	---	---	---	---	---	137	32	18	12	9.5	e10	5.9
22	---	---	---	---	---	85	31	22	174	8.7	e9.0	5.6
23	---	---	---	---	---	67	30	21	76	8.8	8.2	13
24	---	---	---	---	---	57	29	15	37	10	7.8	125
25	---	---	---	---	---	52	44	15	28	333	7.5	34
26	---	---	---	---	---	47	28	15	24	76	7.4	20
27	---	---	---	---	---	42	25	13	21	34	10	13
28	---	---	---	---	---	41	22	15	20	29	10	11
29	---	---	---	---	---	155	21	127	19	34	8.3	9.6
30	---	---	---	---	---	110	20	37	24	25	9.8	9.2
31	---	---	---	---	---	70	---	28	---	19	8.9	---
TOTAL	---	---	---	---	---	---	1387	670	1610	1013.7	406.9	446.0
MEAN	---	---	---	---	---	---	46.2	21.6	53.7	32.7	13.1	14.9
MAX	---	---	---	---	---	---	170	127	336	333	36	125
MIN	---	---	---	---	---	---	20	11	12	8.7	7.4	5.6
CFSM	---	---	---	---	---	---	1.64	.77	1.90	1.16	.47	.53
IN.	---	---	---	---	---	---	1.83	.88	2.12	1.34	.54	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	18.8	---	---	---	32.6	---	46.2	21.6	53.7	32.7	13.1	14.9
MAX	18.8	---	---	---	32.6	---	46.2	21.6	53.7	32.7	13.1	14.9
(WY)	1999	---	---	---	2000	---	2001	2001	2001	2001	2001	2001
MIN	18.8	---	---	---	32.6	---	46.2	21.6	53.7	32.7	13.1	14.9
(WY)	1999	---	---	---	2000	---	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

WATER YEARS 1997 - 2001

HIGHEST DAILY MEAN	1060	Nov 21 1999
LOWEST DAILY MEAN	5.6	Sep 22 2001
ANNUAL SEVEN-DAY MINIMUM	5.9	Sep 16 2001
10 PERCENT EXCEEDS	101	
50 PERCENT EXCEEDS	21	
90 PERCENT EXCEEDS	10	

STATISTICS COMPUTED BY: jkjoiner

DATE: 04/08/2002 AT: 10:34:02

e Estimated

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335503 LONGITUDE 0835317 DRAINAGE AREA 28.2 DATUM STATE 13 COUNTY 135

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	4.07	3.33	5.89	3.34	3.22	3.06
2	---	---	---	---	---	---	3.91	3.31	4.82	3.27	3.19	3.04
3	---	---	---	---	---	---	4.97	3.29	4.47	4.20	3.16	3.05
4	---	---	---	---	---	---	4.59	3.26	4.71	4.05	3.17	3.61
5	---	---	---	---	---	---	4.25	3.25	4.07	3.62	3.25	3.16
6	---	---	---	---	---	---	4.09	3.24	4.06	3.43	3.26	3.01
7	---	---	---	---	---	3.77	3.95	3.23	3.88	3.32	3.42	2.97
8	---	---	---	---	---	3.70	3.86	3.22	3.68	3.28	3.17	2.94
9	---	---	---	---	---	3.63	3.80	3.22	3.56	3.23	3.11	2.93
10	---	---	---	---	---	3.58	3.73	3.22	3.45	3.18	3.10	2.92
11	---	---	---	---	---	3.55	3.67	3.21	3.39	3.15	3.08	3.26
12	---	---	---	---	---	4.71	3.62	3.20	3.54	3.12	3.07	2.97
13	---	---	---	---	---	5.33	3.65	3.16	3.89	3.28	3.18	2.91
14	---	---	---	---	---	4.26	3.63	3.12	3.46	3.11	3.65	2.89
15	---	---	---	---	---	6.74	4.34	3.09	3.36	3.06	3.22	2.86
16	---	---	---	---	---	4.98	4.07	3.08	3.40	3.04	3.13	2.85
17	---	---	---	---	---	4.44	3.82	3.06	3.26	3.03	3.10	2.86
18	---	---	---	---	---	4.22	3.74	3.04	3.19	3.02	3.06	2.85
19	---	---	---	---	---	4.08	3.69	3.45	3.15	3.00	---	2.85
20	---	---	---	---	---	6.26	3.65	3.55	3.11	2.99	---	2.87
21	---	---	---	---	---	4.97	3.63	3.28	3.09	3.00	---	2.85
22	---	---	---	---	---	4.44	3.59	3.37	4.49	2.97	---	2.84
23	---	---	---	---	---	4.20	3.56	3.35	4.29	2.97	2.95	2.96
24	---	---	---	---	---	4.06	3.54	3.18	3.72	3.02	2.93	4.71
25	---	---	---	---	---	3.98	3.84	3.20	3.51	5.69	2.92	3.65
26	---	---	---	---	---	3.90	3.53	3.17	3.42	4.29	2.92	3.31
27	---	---	---	---	---	3.82	3.46	3.12	3.36	3.65	3.03	3.12
28	---	---	---	---	---	3.79	3.39	3.18	3.32	3.55	3.02	3.05
29	---	---	---	---	---	4.84	3.34	4.68	3.30	3.64	2.95	3.00
30	---	---	---	---	---	4.71	3.33	3.73	3.42	3.46	3.01	2.99
31	---	---	---	---	---	4.24	---	3.52	---	3.29	2.98	---
MEAN	---	---	---	---	---	---	3.81	3.30	3.74	3.40	---	3.08
MAX	---	---	---	---	---	---	4.97	4.68	5.89	5.69	---	4.71
MIN	---	---	---	---	---	---	3.33	3.04	3.09	2.97	---	2.84

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335503 LONGITUDE 0835317 DRAINAGE AREA 28.2 DATUM STATE 13 COUNTY 135

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.01	.00	1.53	.00	---	.05
2	---	---	---	---	---	---	.00	.00	.01	---	---	.07
3	---	---	---	---	---	---	.99	.00	1.08	---	---	.26
4	---	---	---	---	---	---	.00	.00	.37	---	---	.24
5	---	---	---	---	---	---	.04	.00	.01	---	---	.00
6	---	---	---	---	---	---	.00	.00	1.36	---	---	.01
7	---	---	---	---	---	---	.00	.00	.03	---	---	.00
8	---	---	---	---	---	.00	.00	.00	.08	---	---	.00
9	---	---	---	---	---	.00	.00	.00	.00	---	---	.00
10	---	---	---	---	---	.00	.00	.01	.00	---	---	.00
11	---	---	---	---	---	.00	.00	.00	.58	---	---	.00
12	---	---	---	---	---	1.37	.00	.00	.86	---	---	.01
13	---	---	---	---	---	.00	.07	.00	.02	---	---	.00
14	---	---	---	---	---	.13	.00	.00	.17	---	---	.00
15	---	---	---	---	---	1.71	.67	.00	.16	---	---	.00
16	---	---	---	---	---	.00	.00	.00	.00	---	---	.00
17	---	---	---	---	---	.00	.00	.00	.00	---	.12	.00
18	---	---	---	---	---	.00	.00	.00	.00	---	.00	.00
19	---	---	---	---	---	.06	.00	1.30	.00	---	.00	.07
20	---	---	---	---	---	1.70	.00	.09	.00	---	.01	.00
21	---	---	---	---	---	.01	.00	.00	.00	---	.00	.00
22	---	---	---	---	---	.00	.00	.64	1.31	---	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	---	.00	.12
24	---	---	---	---	---	.00	.37	.03	.00	---	.00	2.01
25	---	---	---	---	---	.00	.09	.13	.01	---	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	---	.26	.00
27	---	---	---	---	---	.00	.00	.00	.00	---	.00	.00
28	---	---	---	---	---	.00	.00	.60	.00	---	.00	.00
29	---	---	---	---	---	1.36	.00	.44	.13	---	.32	.00
30	---	---	---	---	---	.00	.00	.00	.26	---	.04	.00
31	---	---	---	---	---	.00	---	.18	---	---	.00	---
TOTAL	---	---	---	---	---	---	2.24	3.42	7.97	---	---	2.84