

ALTAMAHA RIVER BASIN

02206500

YELLOW RIVER NEAR SNELLVILLE, GA.

Latitude: 33° 51' 11" Longitude: 84° 04' 45" Hydrologic Unit Code: 03070103

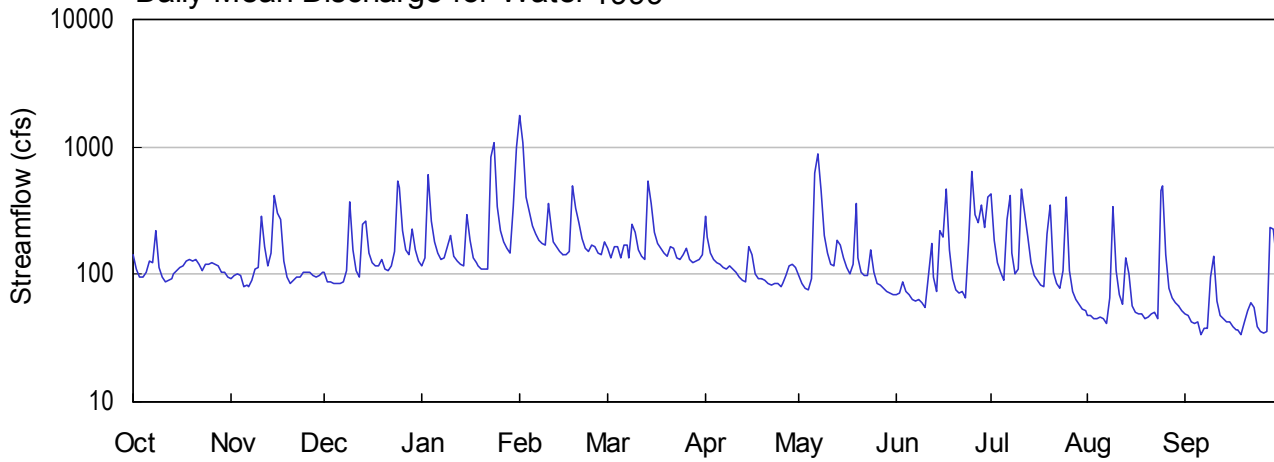
Gwinnett County

Drainage Area: 134.00 mi²

Datum: 806.1 feet

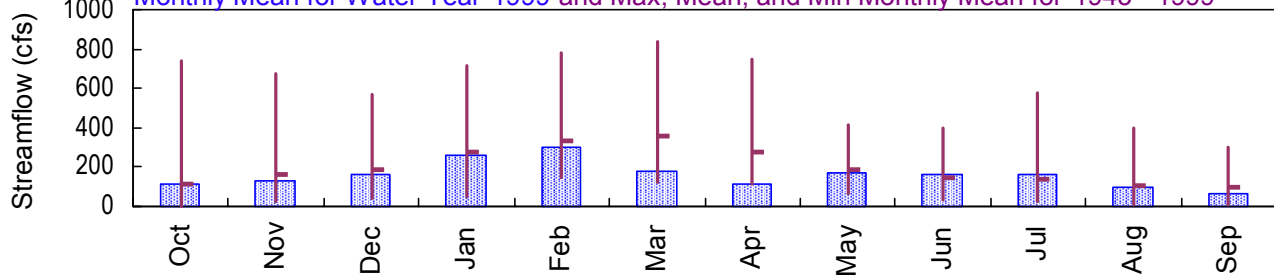
Period of Record: 1943 - 1999

Daily Mean Discharge for Water 1999

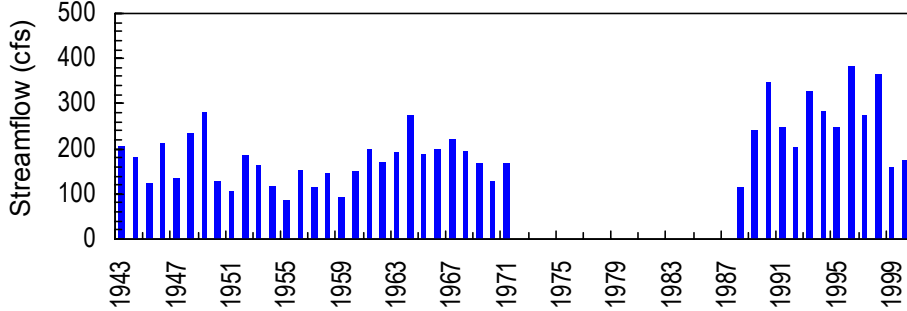


Monthly Statistics

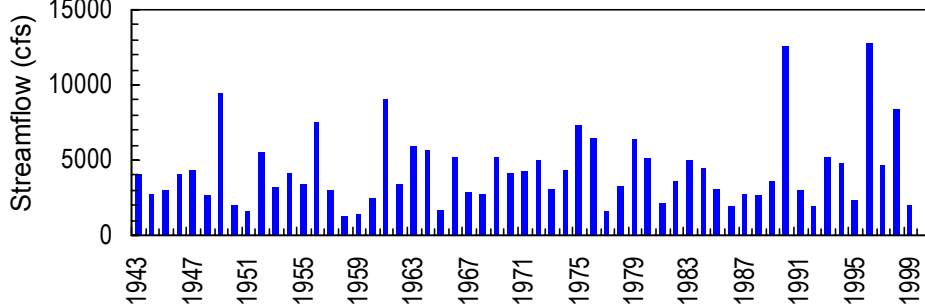
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1943 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS science for a changing world 02206500 - Yellow River near Snellville, GA

**ALTAMAHA RIVER BASIN
1999 Water Year**

02206500 YELLOW RIVER NEAR SNELLVILLE, GA

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank 40 feet downstream from McDaniels Bridge on Killian Hill Road, 3.2 miles west of Snellville, 4 miles downstream from Sweetwater Creek and 7.5 miles upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--October 1942 to September 1971. October 1987 to current year.

REVISED RECORDS.--WSP 1032: 1943(M), WSP 1112: 1944-45(M), WSP 1384: 1949(M), 1952(M), drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 806.14 feet above sea level (levels by the Georgia Department of Transportation). Prior to November 4, 1952, non-recording gage located at same site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,100 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Feb. 1	1800	2,000*	7.55*

No other peaks greater than base discharge

STATION NUMBER 02206500 YELLOW RIVER NEAR SNELLVILLE, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 335111 LONGITUDE 0840445 DRAINAGE AREA 134.00 DATUM 806.14 STATE 13 COUNTY 135

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	92	103	117	1780	159	286	97	69	423	48	49
2	110	99	87	135	1090	136	197	85	71	183	47	47
3	95	102	87	607	402	164	145	78	88	125	45	43
4	95	98	86	e260	312	166	132	75	73	103	45	41
5	103	79	86	e180	238	134	123	92	69	91	46	42
6	127	83	85	e145	206	170	119	616	64	267	45	34
7	122	79	87	131	186	171	114	888	62	420	41	38
8	221	90	108	134	175	135	109	454	64	146	66	38
9	113	110	e370	165	168	247	115	203	60	100	339	94
10	96	114	155	201	359	216	111	145	55	111	106	140
11	88	283	106	140	223	156	104	120	100	469	69	61
12	90	163	96	128	181	138	96	116	175	302	59	48
13	93	116	245	120	167	130	90	183	94	195	135	45
14	100	149	263	118	151	544	88	172	73	123	100	42
15	106	415	147	296	143	365	164	136	218	98	56	42
16	114	300	125	186	143	213	143	114	195	89	50	39
17	115	272	116	136	152	175	101	100	463	82	49	37
18	126	126	118	122	494	159	93	119	158	80	49	37
19	130	95	e130	115	326	147	92	365	92	209	45	34
20	129	86	e110	111	258	140	91	134	76	354	46	42
21	132	90	106	110	189	165	84	104	72	103	49	52
22	120	94	117	111	e160	161	83	99	73	86	50	60
23	108	95	153	828	e150	134	84	99	66	77	45	55
24	119	104	536	1080	e170	130	84	154	178	108	451	39
25	120	105	486	343	164	143	81	103	640	408	500	36
26	124	103	223	222	147	159	86	85	297	106	142	35
27	121	99	157	180	142	132	98	83	254	74	78	36
28	116	96	144	159	180	122	118	78	346	64	66	233
29	105	98	225	145	---	128	121	74	236	59	60	226
30	103	103	157	343	---	130	113	71	405	53	57	131
31	94	---	127	992	---	141	---	69	---	52	52	---

TOTAL	3579	3938	5141	8060	8456	5410	3465	5311	4886	5160	3036	1896
MEAN	115	131	166	260	302	175	116	171	163	166	97.9	63.2
MAX	221	415	536	1080	1780	544	286	888	640	469	500	233
MIN	88	79	85	110	142	122	81	69	55	52	41	34
CFSM	.86	.98	1.24	1.94	2.25	1.30	.86	1.28	1.22	1.24	.73	.47
IN.	.99	1.09	1.43	2.24	2.35	1.50	.96	1.47	1.36	1.43	.84	.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1999, BY WATER YEAR (WY)

MEAN	110	161	187	278	333	358	280	187	147	137	106	95.2
MAX	737	675	571	712	778	836	744	415	396	581	399	300
(WY)	1996	1949	1993	1996	1961	1990	1964	1966	1994	1989	1994	1989
MIN	3.89	28.1	44.0	49.5	144	121	113	65.8	34.1	26.1	11.7	4.40
(WY)	1955	1955	1956	1956	1947	1955	1950	1988	1988	1954	1954	1954

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1943 - 1999

ANNUAL TOTAL	119624	58338		
ANNUAL MEAN	328	160	197	
HIGHEST ANNUAL MEAN			383	1996
LOWEST ANNUAL MEAN			83.7	1955
HIGHEST DAILY MEAN	5330	Mar 9	1780	Feb 1
LOWEST DAILY MEAN	74	Aug 7	34	Sep 6
ANNUAL SEVEN-DAY MINIMUM	80	Sep 13	39	Sep 14
INSTANTANEOUS PEAK FLOW			2000	Feb 1
INSTANTANEOUS PEAK STAGE			7.55	Feb 1
INSTANTANEOUS LOW FLOW			25	Sep 27
ANNUAL RUNOFF (CFSM)	2.45		1.19	
ANNUAL RUNOFF (INCHES)	33.21		16.20	
10 PERCENT EXCEEDS	682		301	
50 PERCENT EXCEEDS	182		116	
90 PERCENT EXCEEDS	90		51	

STATISTICS COMPUTED BY: gabailey

DATE: 01/02/2001 AT: 15:31:37

e Estimated