

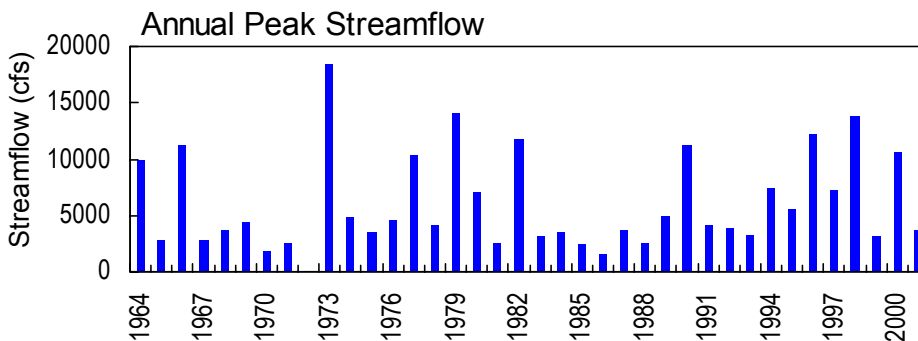
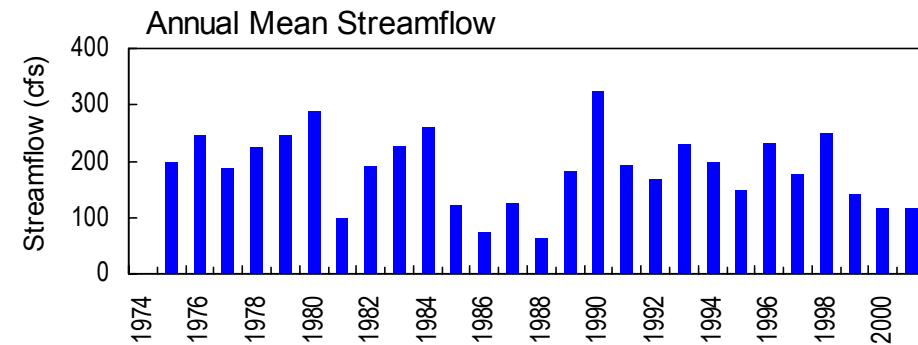
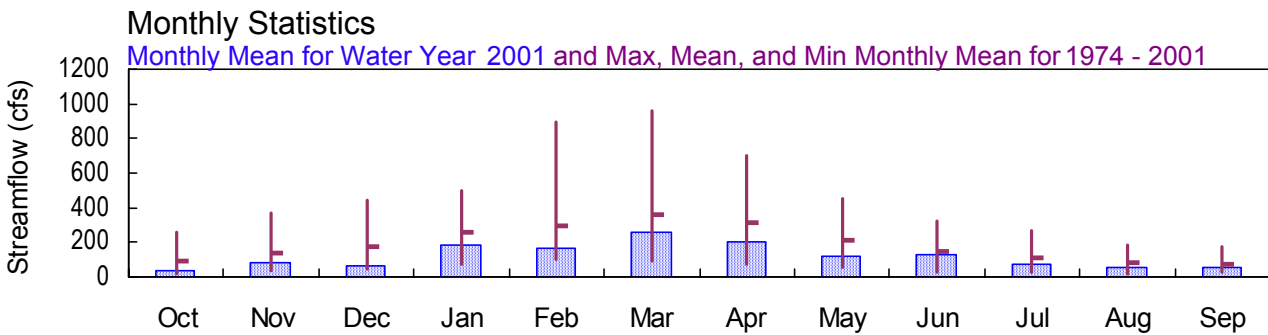
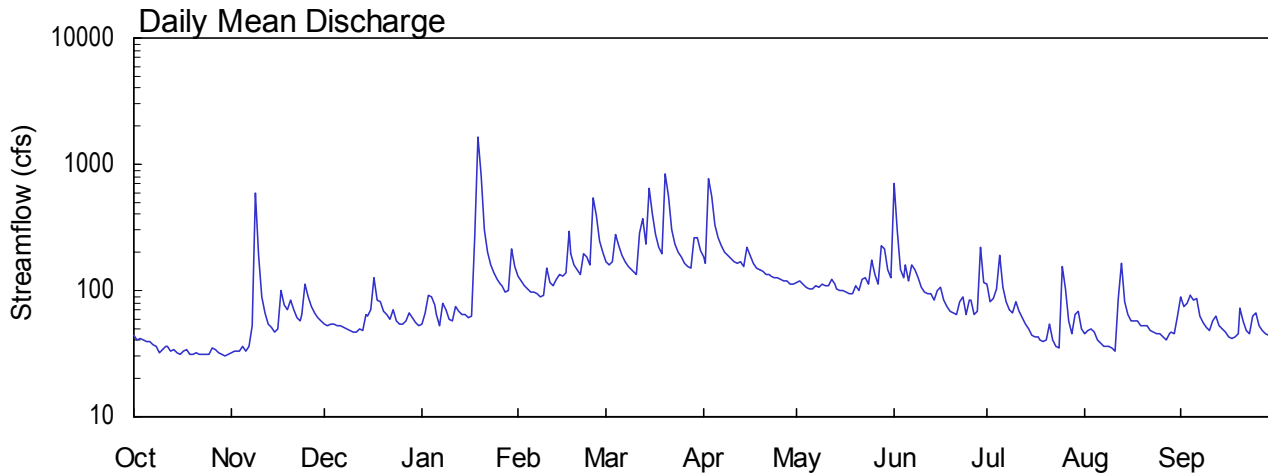


MOBILE RIVER BASIN

2001 Water Year

02382200 TALKING ROCK CREEK NEAR HINTON, GA

Latitude: 34° 31' 22" Longitude: 84° 36' 40" Hydrologic Unit Code: 03150102 Pickens County
Drainage Area: 119 mi² Datum: 893.7 feet Period of Record: 1974 - 2001



**MOBILE RIVER BASIN
2001 Water Year**

02382200 TALKING ROCK CREEK NEAR HINTON, GA

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank, 300 feet downstream from Scarecorn Creek, and 3.3 miles northwest of Hinton.

DRAINAGE AREA.--119 mi².

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records fair, except those for the period of estimated daily discharge, which is poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 feet, from flood marks; discharge 18,400 ft³/s from rating curve extended above 6,200 ft³/s on basis of slope-area measurements of gage height 15.45 feet.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Jan. 19	1415	3,640*	6.82*

No other peaks greater than base discharge

**MOBILE RIVER BASIN
2001 Water Year**

02382200 TALKING ROCK CREEK NEAR HINTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.82 feet, January 19; minimum gage-height recorded, 0.81 feet, October 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 8, 2001 to September 30, 2001.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343122 LONGITUDE 0843640 DRAINAGE AREA 119.00 DATUM 893.69 STATE 13 COUNTY 227

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	44	32	54	54	130	170	183	117	712	113	46	90
2	41	33	52	67	118	159	163	119	291	81	48	75
3	42	33	55	91	108	170	768	e112	145	86	50	80
4	40	33	55	89	102	280	560	e107	127	104	47	92
5	39	36	53	78	98	227	331	e104	158	191	40	85
6	39	33	52	65	97	191	262	e104	118	107	38	87
7	37	36	51	52	93	168	225	e108	160	82	36	63
8	36	52	49	80	89	156	204	107	147	71	36	56
9	32	599	48	71	91	147	190	111	125	66	36	51
10	34	192	47	60	152	139	180	110	106	82	35	48
11	36	90	47	58	115	132	171	108	96	68	33	57
12	36	67	50	74	110	283	164	123	95	61	87	63
13	33	55	48	69	124	367	169	112	95	55	165	52
14	34	51	65	65	132	233	157	103	84	50	81	50
15	32	47	62	64	130	654	219	99	100	44	65	47
16	31	49	70	61	137	404	192	100	106	43	58	43
17	33	100	126	62	293	276	164	98	84	43	57	42
18	34	76	85	272	197	217	152	95	75	40	57	43
19	31	71	81	1660	160	196	144	94	69	39	52	45
20	31	84	68	810	144	848	141	108	66	41	53	72
21	32	71	65	305	133	552	135	101	64	54	52	58
22	31	61	59	199	195	302	134	124	82	41	48	48
23	31	57	70	159	185	232	130	128	89	36	47	45
24	31	64	58	139	158	201	126	113	64	35	46	62
25	31	111	55	121	545	182	126	172	85	157	45	67
26	35	90	54	111	399	166	121	132	84	102	43	52
27	34	74	58	108	247	157	118	113	64	58	41	48
28	32	67	66	98	199	149	119	224	68	46	45	45
29	31	61	61	99	---	265	114	211	217	64	47	44
30	30	58	56	211	---	265	112	145	115	68	45	40
31	31	---	52	153	---	206	---	126	---	49	63	---
TOTAL	1064	2483	1872	5605	4681	8094	5974	3728	3891	2177	1642	1750
MEAN	34.3	82.8	60.4	181	167	261	199	120	130	70.2	53.0	58.3
MAX	44	599	126	1660	545	848	768	224	712	191	165	92
MIN	30	32	47	52	89	132	112	94	64	35	33	40
CFSM	.29	.70	.51	1.52	1.40	2.19	1.67	1.01	1.09	.59	.45	.49
IN.	.33	.78	.59	1.75	1.46	2.53	1.87	1.17	1.22	.68	.51	.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	95.3	135	172	258	294	362	313	212	151	115	86.5	75.3																
MAX	260	366	439	500	895	964	697	455	322	264	188	178																
(WY)	1990	1993	1984	1974	1990	1980	1979	1984	1989	1984	1984	1989																
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	21.4	23.5																
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	1988	1987																

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1974 - 2001

ANNUAL TOTAL		40151		42961																									
ANNUAL MEAN		110		118							186																		
HIGHEST ANNUAL MEAN											323																		1990
LOWEST ANNUAL MEAN											62.7																		1988
HIGHEST DAILY MEAN			4410		Apr 3		1660		Jan 19		6890																		Mar 4 1979
LOWEST DAILY MEAN			21		Aug 19		30		Oct 30		6.1																		Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM			25		Sep 14		31		Oct 19		9.7																		Aug 31 1987
MAXIMUM PEAK FLOW							3640		Jan 19		14100																		Mar 4 1979
MAXIMUM PEAK STAGE								6.82	Jan 19		14.18																		Mar 4 1979
ANNUAL RUNOFF (CFSM)		.92					.99				1.57																		
ANNUAL RUNOFF (INCHES)		12.55					13.43				21.27																		
10 PERCENT EXCEEDS		150					208				342																		
50 PERCENT EXCEEDS		75					82				123																		
90 PERCENT EXCEEDS		32					36				47																		

STATISTICS COMPUTED BY: gabailey

DATE: 04/09/2002 AT: 08:33:12

e Estimated

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343122 LONGITUDE 0843640 DRAINAGE AREA 119.00 DATUM 893.69 STATE 13 COUNTY 227

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	.98	.86	1.06	1.07	1.37	1.56	1.68	1.40	2.84	1.60	1.18	1.31
2	.96	.87	1.05	1.15	1.31	1.51	1.61	1.41	2.22	1.43	1.20	1.21
3	.96	.87	1.07	1.30	1.27	1.56	2.96	---	1.75	1.45	1.21	1.24
4	.95	.88	1.07	1.29	1.23	1.95	2.70	---	1.67	1.56	1.18	1.32
5	.94	.91	1.06	1.23	1.21	1.77	2.17	---	1.80	1.91	1.13	1.27
6	.93	.87	1.04	1.14	1.20	1.64	1.97	---	1.63	1.58	1.10	1.28
7	.92	.90	1.04	1.05	1.18	1.55	1.85	---	1.81	1.44	1.09	1.13
8	.90	1.04	1.03	1.24	1.16	1.49	1.77	1.35	1.76	1.37	1.08	1.08
9	.86	2.53	1.01	1.19	1.17	1.45	1.71	1.37	1.66	1.33	1.08	1.04
10	.89	1.74	1.01	1.11	1.47	1.42	1.68	1.37	1.57	1.44	1.07	1.02
11	.90	1.30	1.01	1.09	1.30	1.38	1.64	1.35	1.52	1.34	1.05	1.09
12	.91	1.16	1.03	1.20	1.28	1.81	1.61	1.43	1.52	1.29	1.26	1.13
13	.88	1.07	1.01	1.18	1.35	2.19	1.63	1.37	1.51	1.25	1.62	1.05
14	.88	1.04	1.15	1.15	1.38	1.79	1.58	1.33	1.45	1.21	1.25	1.04
15	.86	1.01	1.12	1.14	1.37	2.80	1.81	1.31	1.54	1.16	1.15	1.01
16	.85	1.02	1.18	1.11	1.40	2.29	1.72	1.31	1.57	1.15	1.10	.97
17	.87	1.36	1.49	1.12	1.98	1.93	1.61	1.30	1.45	1.15	1.09	.96
18	.88	1.22	1.28	1.91	1.66	1.74	1.56	1.28	1.39	1.13	1.09	.97
19	.85	1.19	1.25	4.38	1.51	1.66	1.53	1.28	1.36	1.12	1.05	.99
20	.85	1.27	1.17	3.15	1.44	3.16	1.51	1.35	1.33	1.13	1.05	1.19
21	.86	1.19	1.14	2.02	1.39	2.69	1.49	1.32	1.32	1.24	1.05	1.09
22	.85	1.12	1.10	1.67	1.64	2.09	1.48	1.43	1.42	1.13	1.02	1.02
23	.85	1.08	1.18	1.50	1.61	1.87	1.46	1.45	1.48	1.09	1.00	.99
24	.85	1.13	1.09	1.41	1.50	1.76	1.44	1.38	1.32	1.07	1.00	1.11
25	.85	1.42	1.07	1.33	2.47	1.68	1.44	1.64	1.41	1.68	.99	1.16
26	.89	1.30	1.06	1.28	2.28	1.62	1.42	1.47	1.45	1.54	.97	1.05
27	.88	1.20	1.10	1.26	1.84	1.58	1.41	1.38	1.32	1.28	.96	1.02
28	.86	1.16	1.15	1.21	1.67	1.55	1.41	1.79	1.35	1.18	.99	.99
29	.85	1.12	1.11	1.22	---	1.90	1.39	1.79	1.97	1.30	1.00	.98
30	.84	1.09	1.08	1.71	---	1.97	1.37	1.53	1.62	1.35	.99	.94
31	.86	---	1.05	1.48	---	1.78	---	1.45	---	1.20	1.12	---
MEAN	.89	1.16	1.11	1.46	1.49	1.84	1.69	---	1.60	1.33	1.10	1.09

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343122 LONGITUDE 0843640 DRAINAGE AREA 119.00 DATUM 893.69 STATE 13 COUNTY 227

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	---	---	---	---	---	---	---	---	1.79	.00	.00	.30
2	---	---	---	---	---	---	---	---	.00	.00	.02	.30
3	---	---	---	---	---	---	---	---	.06	.91	.01	.32
4	---	---	---	---	---	---	---	---	.28	.71	.00	.00
5	---	---	---	---	---	---	---	---	.01	.13	.00	.14
6	---	---	---	---	---	---	---	---	.06	.00	.00	.00
7	---	---	---	---	---	---	---	---	.11	.00	.00	.00
8	---	---	---	---	---	---	---	.00	.25	.00	.00	.00
9	---	---	---	---	---	---	---	.00	.00	.25	.00	.00
10	---	---	---	---	---	---	---	.00	.00	.00	.02	.15
11	---	---	---	---	---	---	---	.10	.00	.00	.00	1.03
12	---	---	---	---	---	---	---	.00	.00	.00	.69	.00
13	---	---	---	---	---	---	---	.00	.00	.00	.14	.02
14	---	---	---	---	---	---	---	.00	.07	.00	.00	.00
15	---	---	---	---	---	---	---	.00	.59	.00	.00	.00
16	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
17	---	---	---	---	---	---	---	.00	.00	.00	.18	.00
18	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	---	.12	.00	.00	.15	.08
20	---	---	---	---	---	---	---	.03	.00	.23	.00	.08
21	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	---	.68	.54	.00	.00	.00
23	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
24	---	---	---	---	---	---	---	.54	.00	.00	.00	.49
25	---	---	---	---	---	---	---	.40	.66	2.47	.00	.00
26	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
27	---	---	---	---	---	---	---	.00	.01	.00	.09	.00
28	---	---	---	---	---	---	---	1.72	.43	.01	.00	.00
29	---	---	---	---	---	---	---	.00	.53	1.11	.00	.00
30	---	---	---	---	---	---	---	.00	.06	.00	.11	.00
31	---	---	---	---	---	---	---	.28	---	.01	.61	---
TOTAL	---	---	---	---	---	---	---	---	5.45	5.83	2.02	2.91