2004 Water Year

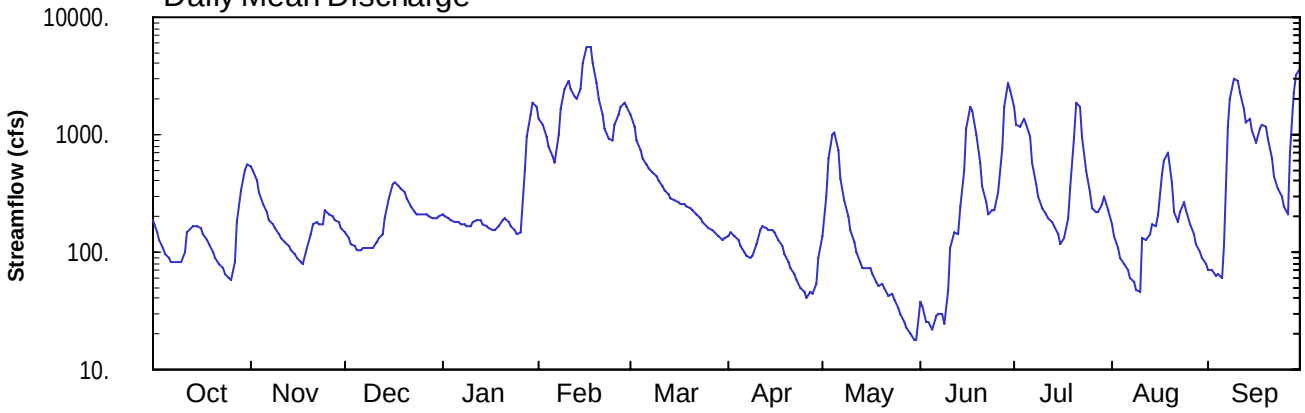
OCHLOCKONEE RIVER BASIN

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

Latitude: 30° 52 ' 32 " Longitude: 084° 02 ' 44 " Hydrologic Unit Code: 03120002

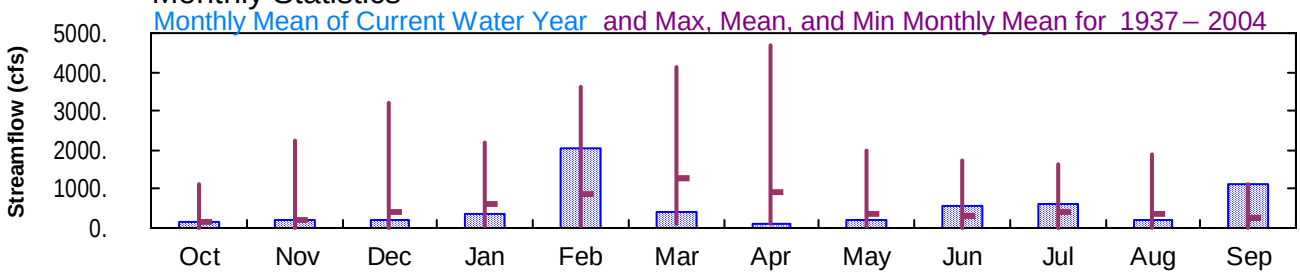
Thomas County Datum: 133.60 feet Drainage Area: 550. mi^2

Daily Mean Discharge

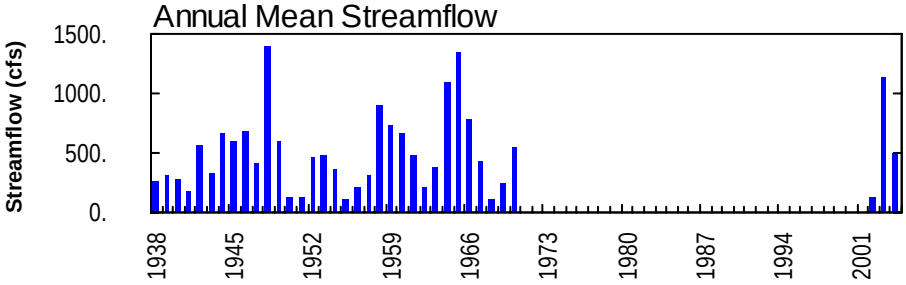


Monthly Statistics

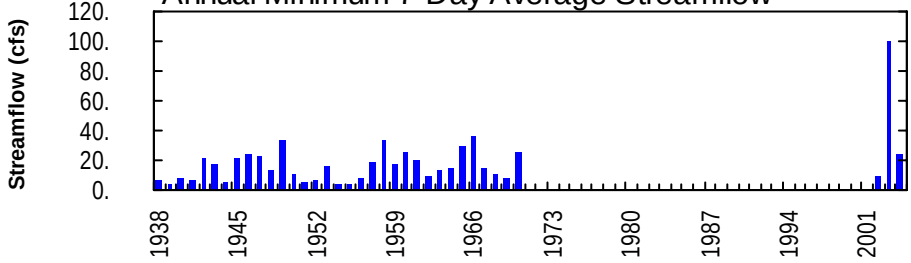
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1937 – 2004



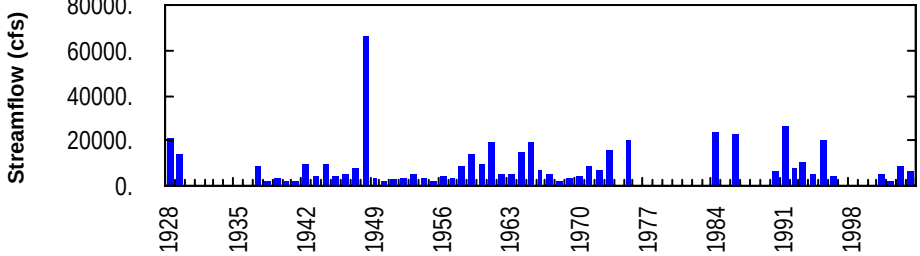
Annual Mean Streamflow

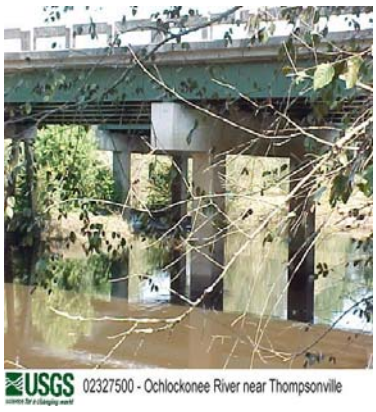


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





OCHLOCKNEE RIVER BASIN
2004 Water Year

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

LOCATION.—Lat. 30°52’32”, long. 84°02’44” referenced to North American Datum (NAD) of 1927, Thomas County, on downstream side of left bank pier of bridge on US 84, 2.0 miles upstream from Seaboard Coast Line Railroad bridge, 4.0 miles upstream from Barnetts Creek, 5.0 miles northwest of Thomasville, and 6.0 miles downstream from Little Ochlocknee River.

DRAINAGE AREA.—550 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

REVISED RECORDS.—WSP 1112: 1937, 1939, 1945 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.51 feet, February 16; minimum gage-height recorded, 1.59 feet, May 30, 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 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	186	545	147	209	1390	1450	137	134	37	1720	174	72
2	149	489	132	204	1200	1150	145	301	35	1230	137	69
3	126	402	119	196	972	904	137	625	25	1170	109	63
4	109	328	111	185	790	740	124	995	25	1340	89	65
5	97	260	105	178	653	629	111	1040	22	1220	80	61
6	89	215	102	177	580	560	101	720	28	949	71	117
7	82	188	106	173	1000	519	93	424	30	571	61	1160
8	83	172	107	171	1650	484	89	275	30	381	55	2050
9	81	157	107	168	2460	443	92	199	24	299	47	3040
10	82	142	108	167	2830	404	119	151	47	239	45	2920
11	101	131	123	177	2430	367	153	119	106	212	132	2240
12	148	122	130	188	2080	336	169	98	148	192	125	1640
13	161	112	144	186	2010	309	161	83	142	177	140	1270
14	164	103	193	176	2480	287	155	73	241	167	173	1370
15	167	95	288	167	4120	272	156	73	491	144	169	1090
16	158	88	374	159	5630	260	146	73	1110	118	210	857
17	143	81	393	152	5500	255	127	65	1720	132	463	1110
18	129	79	367	153	4140	254	110	56	1590	197	593	1200
19	116	109	350	164	2790	248	95	52	1010	352	710	1170
20	102	140	326	188	1990	236	83	54	572	909	391	909
21	90	172	290	194	1460	227	74	49	363	1850	217	628
22	81	183	246	182	1130	212	65	43	261	1760	176	449
23	73	174	218	165	908	196	58	43	213	976	217	354
24	66	175	210	151	900	180	50	39	223	490	269	299
25	60	230	207	140	1190	168	45	34	227	323	229	250
26	57	214	212	146	1460	162	41	29	320	241	175	211
27	84	203	213	497	1720	155	47	26	758	215	141	698
28	180	186	205	946	1840	145	45	23	1700	222	116	2270
29	340	182	194	1450	1710	134	54	20	2720	256	99	3170
30	486	161	191	1870	---	129	90	18	2390	297	90	3610
31	559	---	199	1710	---	131	---	18	---	230	78	---
TOTAL	4549	5838	6217	10989	59013	11946	3072	5952	16608	18579	5781	34412
MEAN	147	195	201	354	2035	385	102	192	554	599	186	1147
MAX	559	545	393	1870	5630	1450	169	1040	2720	1850	710	3610
MIN	57	79	102	140	580	129	41	18	22	118	45	61
CFSM	0.27	0.35	0.36	0.64	3.70	0.70	0.19	0.35	1.01	1.09	0.34	2.09
IN.	0.31	0.39	0.42	0.74	3.99	0.81	0.21	0.40	1.12	1.26	0.39	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

MEAN	161	195	416	602	889	1275	921	374	319	394	356	248
MAX	1108	2266	3213	2173	3638	4128	4692	1987	1716	1637	1896	1147
(WY)	1965	1948	1965	1964	1965	2003	1948	1964	1965	1945	2003	2004
MIN	4.76	5.73	9.95	28.1	54.1	78.1	95.6	37.6	20.5	18.6	10.6	4.68
(WY)	1955	1939	1939	1939	1957	1955	1968	2002	2002	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1937 - 2004	
ANNUAL TOTAL	354471		182956			
ANNUAL MEAN	971		500		508	
HIGHEST ANNUAL MEAN					1404	1948
LOWEST ANNUAL MEAN					110	1955
HIGHEST DAILY MEAN	8390	Mar 10	5630	Feb 16	57400	Apr 2 1948
LOWEST DAILY MEAN	57	Oct 26	18	May 30 a	2.6	Oct 17 1938
ANNUAL SEVEN-DAY MINIMUM	73	Oct 21	24	May 25	3.9	Oct 19 1954
MAXIMUM PEAK FLOW			6000	Feb 16	8770	Mar 10 2003
MAXIMUM PEAK STAGE			15.51	Feb 16	17.11	Mar 10 2003
INSTANTANEOUS LOW FLOW			16	May 31	6.2	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.77		0.909		0.924	
ANNUAL RUNOFF (INCHES)	23.98		12.37		12.56	
10 PERCENT EXCEEDS	2570		1450		1270	
50 PERCENT EXCEEDS	410		182		162	
90 PERCENT EXCEEDS	107		61		19	

a Also May 31

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

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 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	4.41	7.30	4.08	4.83	10.16	10.71	3.94	3.91	2.15	11.28	4.46	2.89
2	3.92	6.99	3.87	4.77	9.68	9.94	4.06	5.83	2.11	10.15	3.94	2.84
3	3.58	6.46	3.68	4.67	9.03	9.17	3.95	7.99	1.85	10.01	3.52	2.73
4	3.32	5.88	3.55	4.56	8.39	8.54	3.76	9.47	1.85	10.46	3.20	2.76
5	3.13	5.28	3.45	4.46	7.83	8.05	3.56	9.61	1.77	10.13	3.04	2.68
6	2.99	4.82	3.42	4.45	7.47	7.69	3.40	8.43	1.94	9.31	2.88	3.49
7	2.88	4.50	3.48	4.41	9.07	7.47	3.26	6.86	1.97	7.73	2.67	9.70
8	2.89	4.30	3.49	4.39	10.70	7.27	3.20	5.65	1.99	6.58	2.56	11.95
9	2.86	4.13	3.49	4.35	12.18	7.03	3.25	4.79	1.83	5.88	2.39	13.41
10	2.86	3.93	3.50	4.33	12.70	6.77	3.67	4.14	2.35	5.29	2.35	13.28
11	3.20	3.78	3.74	4.45	12.16	6.48	4.18	3.68	3.47	4.97	3.86	12.30
12	3.90	3.66	3.84	4.59	11.55	6.22	4.40	3.35	4.10	4.70	3.76	11.12
13	4.08	3.52	4.05	4.56	11.42	5.98	4.30	3.10	4.02	4.51	3.98	10.26
14	4.12	3.38	4.63	4.45	12.16	5.77	4.21	2.91	5.29	4.37	4.45	10.53
15	4.16	3.26	5.57	4.33	14.06	5.62	4.21	2.92	7.22	4.05	4.40	9.76
16	4.04	3.14	6.26	4.24	15.26	5.52	4.07	2.91	9.78	3.66	4.92	9.00
17	3.83	3.04	6.41	4.15	15.21	5.47	3.80	2.76	11.29	3.87	7.13	9.82
18	3.63	3.01	6.21	4.16	14.28	5.46	3.54	2.59	11.01	4.77	7.84	10.10
19	3.43	3.50	6.07	4.30	13.09	5.38	3.29	2.49	9.49	6.25	8.41	9.99
20	3.21	3.99	5.88	4.58	11.83	5.27	3.08	2.55	7.73	9.11	6.60	9.18
21	3.02	4.40	5.59	4.65	10.73	5.16	2.92	2.43	6.43	11.54	5.01	8.03
22	2.85	4.53	5.21	4.51	9.88	4.97	2.76	2.29	5.51	11.36	4.50	7.05
23	2.71	4.42	4.92	4.32	9.18	4.76	2.61	2.31	4.99	9.36	5.03	6.37
24	2.58	4.43	4.84	4.14	9.15	4.55	2.46	2.22	5.11	7.28	5.60	5.88
25	2.46	5.06	4.80	3.99	10.07	4.39	2.35	2.09	5.17	6.10	5.18	5.41
26	2.40	4.88	4.86	4.06	10.72	4.31	2.25	1.97	6.05	5.30	4.47	4.95
27	2.87	4.75	4.88	6.92	11.29	4.20	2.38	1.87	8.55	5.01	4.00	7.78
28	4.33	4.56	4.78	8.92	11.52	4.06	2.34	1.79	11.21	5.10	3.63	12.33
29	5.97	4.51	4.65	10.27	11.27	3.91	2.54	1.72	13.05	5.47	3.36	13.55
30	6.97	4.27	4.62	11.14	---	3.82	3.17	1.65	12.56	5.86	3.21	13.95
31	7.37	---	4.72	10.83	---	3.85	---	1.64	---	5.18	3.00	---
MEAN	3.68	4.46	4.60	5.25	11.10	6.06	3.36	3.80	5.73	6.92	4.30	8.44
MAX	7.37	7.30	6.41	11.14	15.26	10.71	4.40	9.61	13.05	11.54	8.41	13.95
MIN	2.40	3.01	3.42	3.99	7.47	3.82	2.25	1.64	1.77	3.66	2.35	2.68

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LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 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	0.48	0.03	0.00	0.45	0.25	0.08	0.00	0.88
2	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.38	0.19	0.08	0.00	0.04
3	0.05	0.00	0.00	0.00	0.02	0.03	0.00	0.14	0.45	0.03	0.02	0.00
4	0.00	0.21	0.03	0.00	0.00	0.00	0.02	0.13	0.07	0.02	0.00	0.01
5	0.00	0.09	0.00	0.13	0.00	0.03	0.00	0.01	0.20	0.00	0.05	0.77
6	0.00	0.00	0.00	0.00	1.15	0.06	0.00	0.00	0.07	0.06	0.00	4.32
7	0.31	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.00	0.00	0.05
8	0.01	0.00	0.00	0.02	0.00	0.08	0.16	0.00	0.16	0.26	0.00	0.00
9	0.02	0.00	0.01	0.12	0.02	0.16	0.03	0.01	0.00	0.02	0.00	0.00
10	0.02	0.04	0.45	0.00	0.10	0.03	0.00	0.00	0.32	0.07	1.46	0.07
11	0.96	0.00	0.00	0.00	0.25	0.00	0.00	0.09	0.06	0.00	0.06	0.12
12	0.55	0.02	0.00	0.00	0.76	0.00	0.17	0.10	0.05	0.08	0.60	0.01
13	0.02	0.12	0.28	0.00	0.30	0.00	0.26	0.04	1.09	0.36	0.42	0.94
14	0.00	0.00	0.41	0.02	1.54	0.00	0.02	0.00	0.37	0.06	0.09	0.05
15	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.04	0.08	0.09	0.31	0.02
16	0.03	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.84	0.59	1.57
17	0.00	0.02	0.13	0.00	0.00	0.00	0.00	0.11	0.00	0.01	0.06	0.01
18	0.00	0.10	0.00	0.34	0.01	0.01	0.00	0.03	0.13	0.41	0.12	0.00
19	0.00	1.04	0.00	0.00	0.00	0.02	0.04	0.38	0.07	0.05	0.11	0.00
20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.15	0.01
21	0.07	0.00	0.00	0.00	0.06	0.00	0.02	0.10	0.05	0.00	0.06	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.50	0.00	0.56	0.00
23	0.00	0.01	0.30	0.00	0.72	0.00	0.09	0.00	0.64	0.00	0.06	0.00
24	0.06	0.90	0.02	0.00	0.51	0.00	0.00	0.00	0.05	0.03	0.15	0.02
25	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.51	0.00	0.08	0.00
26	0.57	0.00	0.00	1.40	0.10	0.00	0.34	0.00	1.22	0.50	0.14	1.12
27	1.15	0.00	0.00	0.04	0.03	0.00	0.00	0.03	1.03	0.08	0.00	2.42
28	1.43	0.46	0.00	0.00	0.00	0.03	0.01	0.00	0.07	0.69	0.00	0.12
29	0.03	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.51	0.06	0.01	0.00
30	0.00	0.00	0.18	0.00	---	0.41	1.47	0.01	0.18	0.00	0.05	0.15
31	0.00	---	0.00	0.00	---	0.00	---	1.06	---	0.08	0.00	---
TOTAL	5.28	3.02	1.81	2.07	6.39	0.97	2.83	3.15	8.49	3.96	5.15	12.70