2004 Water Year

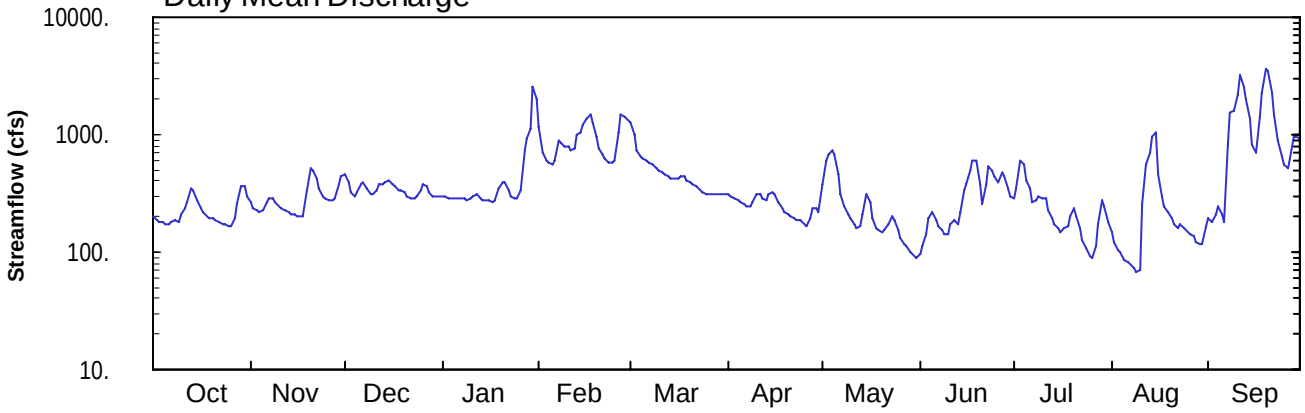
APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

Latitude: 31°45'52" Longitude: 084°15'12" Hydrologic Unit Code: 03130007

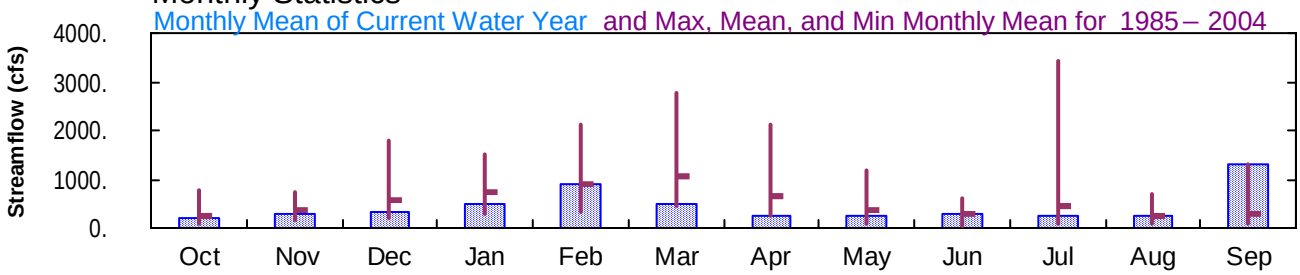
Lee County Datum: 211.74 feet Drainage Area: 527. mi^2

Daily Mean Discharge

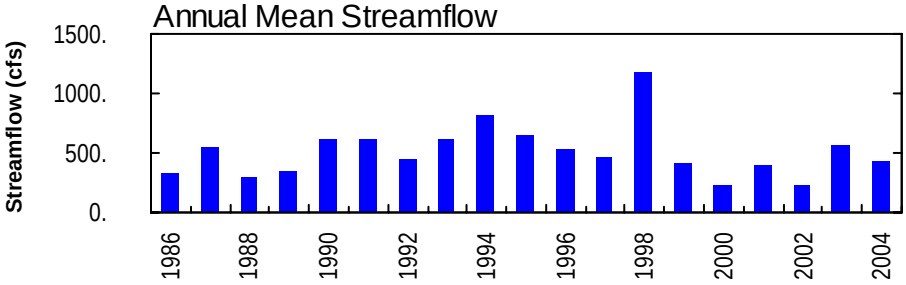


Monthly Statistics

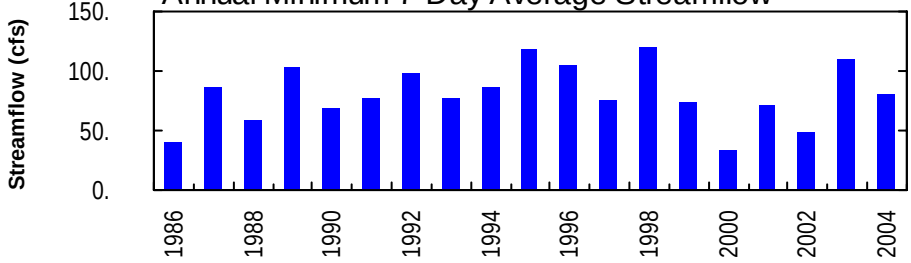
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



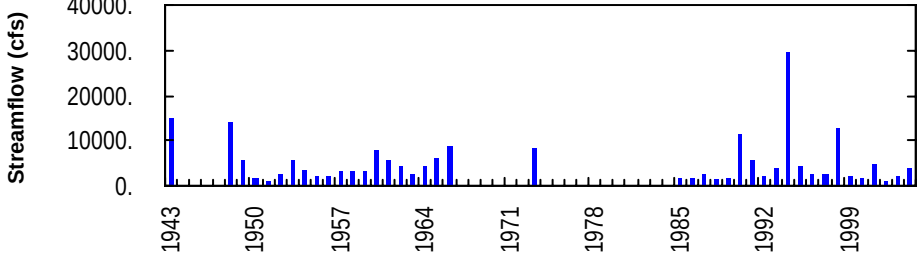
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2004 Water Year

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

LOCATION.—Lat 31°45'52", long 84°15'12" referenced to North American Datum (NAD) of 1927, Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Pinewood Road, 3.6 miles west of US 19, 12.4 miles east of Dawson, and 5.2 miles northwest of Leesburg.

DRAINAGE AREA.—527 square miles, approximately.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 211.74 feet above National Geodetic Vertical Datum (NGVD) of 1929 (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in 1943 or 1944 is believed to have reached an elevation of about 23 feet from information by local resident. Maximum stage of 20.46 feet was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
01/30	1530	2,920	12.97
09/11	0545	3,490	13.98
09/19	2345	4,030*	14.65*

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 211.74 feet above sea level (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.65 feet, September 19, 20; minimum gage-height recorded, 2.29 feet, August 10.

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 14, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 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	199	262	450	298	1150	1250	308	374	95	287	148	195
2	184	238	395	294	714	995	297	610	111	351	119	182
3	179	225	324	287	609	734	285	676	143	590	106	210
4	176	219	301	283	569	659	274	723	193	565	99	249
5	174	223	321	285	555	620	264	689	216	411	86	207
6	173	270	374	288	591	597	256	453	184	354	83	179
7	182	283	390	289	888	579	250	309	165	261	79	811
8	188	287	352	285	844	552	248	249	153	274	72	1530
9	183	265	314	281	789	520	268	213	144	300	68	1600
10	210	245	306	291	784	492	309	191	143	285	71	2160
11	238	233	337	303	741	478	316	173	170	289	259	3220
12	268	226	372	307	761	463	288	160	184	225	568	2590
13	343	220	376	291	1020	441	272	168	171	192	704	2040
14	329	213	388	279	1050	429	305	206	222	176	965	1380
15	275	207	410	273	1200	422	322	312	338	157	1050	812
16	239	202	381	271	1370	424	304	262	383	146	463	710
17	219	202	357	270	1470	439	263	191	486	161	298	1450
18	206	206	340	276	1240	440	238	163	599	167	245	2290
19	198	340	331	345	975	415	221	153	605	199	216	3650
20	193	525	320	389	760	389	209	150	380	235	197	3540
21	187	487	302	386	669	371	199	152	257	203	174	2280
22	180	431	289	338	618	356	194	169	377	161	160	1470
23	175	350	282	302	583	338	190	205	534	127	170	882
24	170	301	294	285	575	324	183	185	494	108	162	640
25	166	285	338	287	606	314	173	152	434	94	151	560
26	168	278	371	336	1020	310	169	130	395	89	144	514
27	191	271	362	718	1510	312	192	115	469	112	136	628
28	255	281	326	938	1440	312	240	111	444	173	124	948
29	364	370	303	1120	1350	308	237	101	345	279	117	976
30	365	437	294	2510	---	307	221	94	293	246	116	909
31	304	---	294	2010	---	313	---	90	---	180	168	---
TOTAL	6881	8582	10594	15115	26451	14903	7495	7929	9127	7397	7518	38812
MEAN	222	286	342	488	912	481	250	256	304	239	243	1294
MAX	365	525	450	2510	1510	1250	322	723	605	590	1050	3650
MIN	166	202	282	270	555	307	169	90	95	89	68	179
CFSM	0.42	0.54	0.65	0.93	1.73	0.91	0.47	0.49	0.58	0.45	0.46	2.45
IN.	0.49	0.61	0.75	1.07	1.87	1.05	0.53	0.56	0.64	0.52	0.53	2.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	253	378	573	736	903	1048	646	381	294	439	226	275
MAX	773	755	1811	1502	2107	2763	2119	1176	609	3413	675	1294
(WY)	1995	1998	1998	1990	1998	1998	1998	1991	2003	1994	1994	2004
MIN	91.4	160	208	277	315	430	250	94.7	47.1	62.4	66.2	73.9
(WY)	2002	1991	1989	1989	2001	2000	2004	2000	2000	1986	2000	1990

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1985 - 2004	
ANNUAL TOTAL	193327		160804			
ANNUAL MEAN	530		439		513	
HIGHEST ANNUAL MEAN					1177	1998
LOWEST ANNUAL MEAN					233	2000
HIGHEST DAILY MEAN	1980	Apr 12	3650	Sep 19	25000	Jul 7 1994
LOWEST DAILY MEAN	163	Sep 21	68	Aug 9	28	Jun 17 2000
ANNUAL SEVEN-DAY MINIMUM	177	Oct 21	80	Aug 4	33	Jun 13 2000
MAXIMUM PEAK FLOW			4030	Sep 19	29500	Jul 7 1994
MAXIMUM PEAK STAGE			14.65	Sep 19	26.56	Jul 7 1994
INSTANTANEOUS LOW FLOW			60	Aug 10	27	Jun 17 2000
ANNUAL RUNOFF (CFSM)	1.01		0.834		0.974	
ANNUAL RUNOFF (INCHES)	13.65		11.35		13.23	
10 PERCENT EXCEEDS	980		894		1090	
50 PERCENT EXCEEDS	406		292		329	
90 PERCENT EXCEEDS	219		153		104	

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LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 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	3.45	3.89	5.05	4.12	8.08	8.48	4.13	4.59	2.63	4.05	3.06	3.42
2	3.34	3.73	4.72	4.10	6.20	7.50	4.07	5.98	2.77	4.46	2.84	3.33
3	3.30	3.64	4.29	4.05	5.65	6.34	4.00	6.32	3.02	5.88	2.73	3.53
4	3.29	3.59	4.14	4.03	5.44	5.95	3.93	6.56	3.41	5.74	2.67	3.80
5	3.26	3.62	4.27	4.04	5.37	5.76	3.87	6.39	3.57	4.82	2.54	3.50
6	3.26	3.94	4.61	4.06	5.56	5.63	3.82	5.07	3.34	4.48	2.51	3.31
7	3.33	4.03	4.70	4.06	7.04	5.54	3.78	4.20	3.20	3.88	2.48	6.72
8	3.37	4.06	4.47	4.04	6.85	5.40	3.77	3.80	3.10	3.97	2.41	9.53
9	3.33	3.91	4.23	4.01	6.59	5.24	3.90	3.55	3.03	4.14	2.37	9.75
10	3.53	3.78	4.18	4.08	6.56	5.09	4.16	3.39	3.03	4.04	2.40	11.19
11	3.72	3.69	4.37	4.16	6.34	5.02	4.20	3.26	3.24	4.07	3.82	13.52
12	3.93	3.65	4.59	4.18	6.42	4.94	4.04	3.16	3.34	3.64	5.75	12.30
13	4.41	3.60	4.62	4.08	7.59	4.82	3.93	3.22	3.25	3.40	6.46	11.00
14	4.33	3.55	4.69	4.00	7.73	4.76	4.15	3.50	3.60	3.28	7.59	9.03
15	3.97	3.51	4.82	3.96	8.30	4.73	4.25	4.21	4.38	3.14	7.90	6.95
16	3.74	3.47	4.64	3.95	8.90	4.75	4.15	3.89	4.65	3.05	5.12	6.47
17	3.59	3.47	4.50	3.94	9.25	4.83	3.88	3.39	5.27	3.17	4.13	9.25
18	3.50	3.50	4.39	3.98	8.44	4.84	3.72	3.18	5.93	3.22	3.77	11.59
19	3.44	4.37	4.34	4.42	7.41	4.71	3.60	3.10	5.95	3.45	3.57	14.15
20	3.40	5.50	4.27	4.69	6.44	4.57	3.52	3.08	4.63	3.70	3.43	13.98
21	3.36	5.27	4.15	4.68	5.97	4.48	3.45	3.10	3.85	3.48	3.27	11.57
22	3.32	4.94	4.07	4.38	5.70	4.40	3.42	3.23	4.60	3.17	3.16	9.34
23	3.27	4.46	4.02	4.15	5.51	4.30	3.38	3.49	5.55	2.90	3.23	7.24
24	3.24	4.15	4.10	4.04	5.47	4.21	3.34	3.35	5.32	2.74	3.17	6.14
25	3.21	4.04	4.38	4.06	5.63	4.16	3.26	3.10	4.96	2.62	3.09	5.71
26	3.22	3.99	4.58	4.35	7.56	4.14	3.23	2.92	4.73	2.57	3.03	5.44
27	3.39	3.95	4.53	6.44	9.36	4.15	3.40	2.81	5.17	2.78	2.97	6.04
28	3.84	4.02	4.31	7.37	9.15	4.15	3.74	2.78	5.02	3.25	2.88	7.53
29	4.54	4.58	4.16	8.02	8.82	4.13	3.72	2.69	4.42	4.00	2.82	7.64
30	4.55	4.97	4.10	12.06	---	4.12	3.61	2.62	4.09	3.78	2.82	7.37
31	4.16	---	4.10	10.84	---	4.16	---	2.58	---	3.31	3.21	---
MEAN	3.60	4.03	4.40	4.91	7.01	5.01	3.78	3.76	4.10	3.68	3.59	8.01
MAX	4.55	5.50	5.05	12.06	9.36	8.48	4.25	6.56	5.95	5.88	7.90	14.15
MIN	3.21	3.47	4.02	3.94	5.37	4.12	3.23	2.58	2.63	2.57	2.37	3.31

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LATITUDE 314552 LONGITUDE 0841512 NAD83 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 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	0.01	0.00	0.00	0.47	1.42	0.24	0.67	0.02
2	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.73	0.46	0.26	0.00	0.41
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
4	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.16	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.01	0.01	0.00	0.00	1.68	0.05	0.00	0.00	0.00	0.00	0.00	4.90
7	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.65	0.00	1.24
8	0.00	0.00	0.00	0.01	0.00	0.00	0.19	0.00	0.02	0.40	0.00	0.00
9	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.04	0.00	0.51	0.00	0.06	0.00	0.30	0.00	0.00	0.00	1.98	1.94
11	0.06	0.00	0.00	0.00	0.30	0.00	0.00	0.20	0.00	0.00	0.51	0.02
12	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.07	0.00
13	0.00	0.00	0.41	0.00	0.01	0.00	0.20	0.00	1.11	0.00	0.00	0.08
14	0.00	0.00	0.22	0.00	0.80	0.00	0.00	0.00	0.52	0.00	0.00	0.06
15	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.14	0.00	0.00	0.03
16	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.00	1.94
17	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	2.24	0.05	0.00	0.00
18	0.00	0.82	0.00	0.13	0.00	0.00	0.00	0.00	0.06	0.30	0.00	0.00
19	0.00	0.63	0.00	0.02	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.44	0.75	0.00	0.24	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00
23	0.00	0.00	0.22	0.00	0.13	0.00	0.00	0.00	0.21	0.00	0.00	0.00
24	0.00	0.12	0.01	0.07	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	0.00	0.04	0.92	0.00	0.00	0.00	0.99	0.00	0.00	0.00
26	0.33	0.00	0.00	1.10	0.18	0.00	0.27	0.00	0.49	0.36	0.00	0.09
27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.72	0.00	2.76
28	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00
30	0.00	0.00	0.07	0.00	---	0.07	2.66	0.00	0.06	0.00	0.35	0.00
31	0.00	---	0.00	0.00	---	0.07	---	0.03	---	0.00	0.01	---
TOTAL	2.15	2.49	1.64	1.67	5.71	0.19	3.82	2.27	9.87	3.13	3.83	13.49