02404400 CHOCCOLOCCO CREEK AT JACKSON SHOALS NEAR LINCOLN, AL

Coosa-Tallapoosa Basin
Middle Coosa Subbasin

LOCATION.--Lat 33°32′54″, long 86°05′49″ referenced to North American Datum of 1927, Talladega County, AL, Hydrologic Unit 03150106, on left bank at foot of Jackson Shoals, 50 ft upstream from Alabama Power Company Jackson Shoals transformer station, 900 ft upstream from highway bridge, 1.8 mi downstream from Eastaboga Creek, and 4.5 mi southeast of Lincoln.

DRAINAGE AREA.--481 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1960 to September 1967, October 1967 to September 1970 (annual peak discharge only), October 1970 to September 1974 (gage-height record only in files of Geological Survey), October 1974 to September 1984 (flood hydrograph only), October 1984 to current year.

REVISED RECORDS.-- WSP 1906: 1961, 1962. WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 448.50 ft above NGVD of 1929 (Alabama Power Company benchmark).

REMARKS.--Estimated daily discharge: Dec. 5-8 and Feb. 23. Records good, except those estimated which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1951 reached a stage of 42.4 ft from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 26	1100	*5,310	*24.47
No other peak greater than base discharge			

Minimum discharge, 76 ft^3/s, Oct. 17, 18, gage height, 17.29 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	84	97	128	299	577	731	609	416	450	172	1,540	352
2	82	95	126	242	556	636	554	383	704	174	458	318
3	81	94	126	196	467	580	495	406	446	167	324	294
4	83	97	122	180	396	1,600	474	510	383	164	255	276
5	82	95	e120	170	351	2,220	1,160	432	353	185	225	256
6	86	92	e120	161	363	1,620	1,790	382	326	280	204	243
7	85	90	e114	158	547	1,450	1,390	348	304	202	193	236
8	84	93	e115	154	428	1,270	1,130	346	295	178	227	234
9	86	93	117	175	376	1,020	897	413	281	175	184	369
10	84	94	114	190	335	862	761	362	269	187	171	254
11	89	96	111	306	304	761	683	1,080	260	200	166	244
12	83	96	113	315	291	690	804	1,140	251	189	166	229
13	82	92	113	284	430	624	795	839	293	216	210	220
14	82	99	112	238	433	581	668	639	308	602	184	211
15	81	131	112	213	390	632	608	674	273	243	163	204
16	80	138	141	201	354	636	551	1,310	258	200	163	194
17	79	113	127	255	399	547	506	1,070	245	183	155	187
18	81	111	123	313	1,570	503	471	853	236	171	151	187
19	87	107	122	291	972	640	606	692	218	162	146	180
20	92	108	124	264	727	1,250	613	600	211	151	141	178
21	86	109	124	233	710	967	549	672	204	146	136	173
22	84	110	125	218	3,500	787	501	560	201	143	135	168
23	113	110	129	216	e2,880	663	462	491	194	222	135	165
24	165	116	134	205	1,910	576	426	698	188	190	559	156
25	122	112	121	199	1,330	521	396	612	184	170	852	154
26	119	268	175	194	1,310	481	376	506	178	162	3,940	155
27	107	258	152	187	1,320	456	418	433	179	176	1,670	148
28	104	175	161	179	1,010	435	503	1,260	184	169	911	150
29	100	154	228	185	833	420	509	636	179	161	620	148
30	98	140	249	282	---	635	458	493	182	202	482	144
31	95	---	343	264	---	717	---	433	---	225	402	---
Total	2,866	3,583	4,341	6,967	25,069	25,511	20,163	19,689	8,237	6,167	15,268	6,427
Mean	92.5	119	140	225	864	823	672	635	275	199	493	214
Max	165	268	343	315	3,500	2,220	1,790	1,310	704	602	3,940	369
Min	79	90	111	154	291	420	376	346	178	143	135	144
Cfsm	0.19	0.25	0.29	0.47	1.80	1.71	1.40	1.32	0.57	0.41	1.02	0.45
In.	0.22	0.28	0.34	0.54	1.94	1.97	1.56	1.52	0.64	0.48	1.18	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	308	452	612	909	1,432	1,480	1,042	746	507	460	350	306
Max	1,792	1,572	2,028	2,273	4,066	3,625	2,150	3,953	1,676	1,561	1,697	843
(WY)	(1996)	(1993)	(1962)	(1993)	(1961)	(1990)	(1964)	(2003)	(1997)	(2003)	(1967)	(2004)
Min	92.5	119	140	223	308	350	225	177	143	138	103	94.9
(WY)	(2008)	(2008)	(2008)	(1986)	(1986)	(1988)	(1986)	(2007)	(1986)	(1986)	(2007)	(2007)

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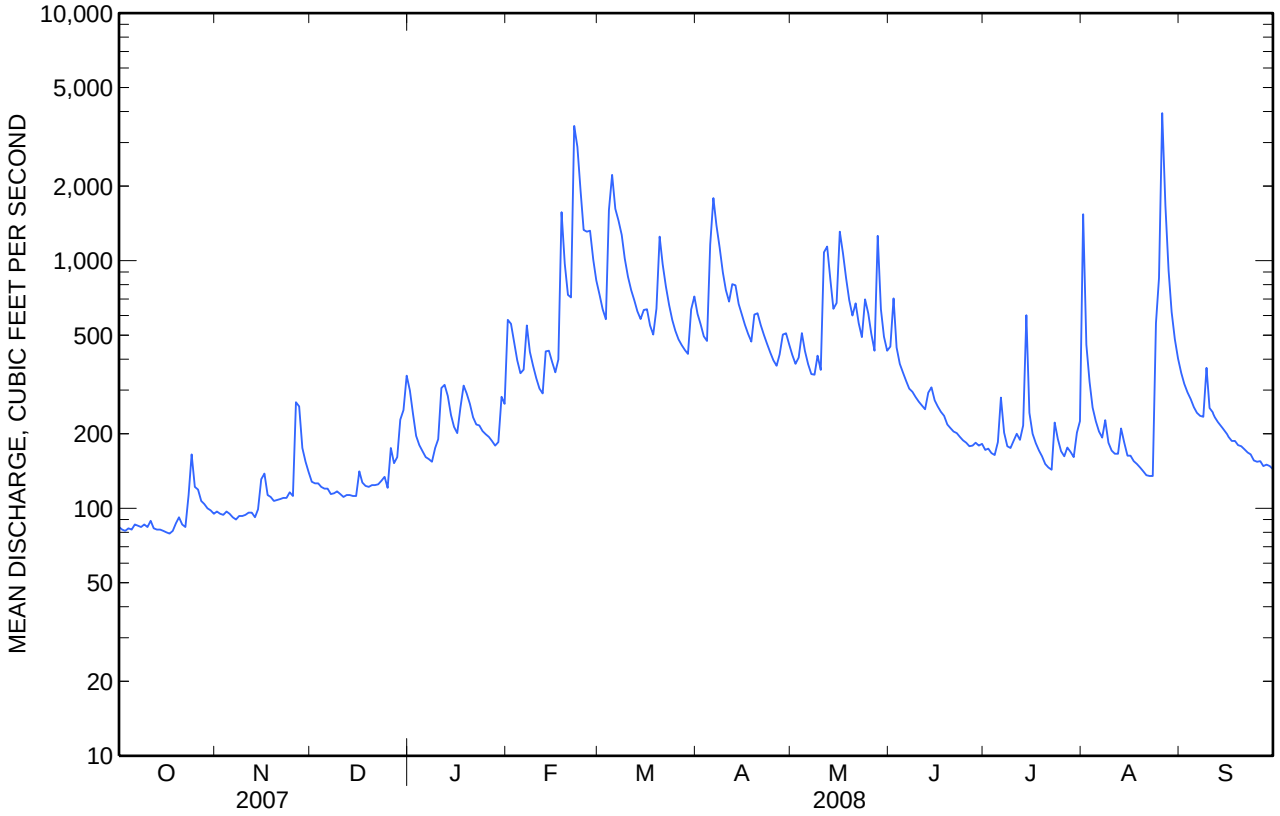
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1961 - 2008	
Annual total	91,621		144,288			
Annual mean	251		394		713	
Highest annual mean					1,316	2003
Lowest annual mean					221	1986
Highest daily mean	1,780	Jan 8	3,940	Aug 26	28,300	Apr 30, 1963
Lowest daily mean	79	Oct 17	79	Oct 17	79	Oct 17, 2007
Annual seven-day minimum	81	Oct 12	81	Oct 12	81	Oct 12, 2007
Maximum peak flow			5,310	Aug 26	36,900	Apr 30, 1963
Maximum peak stage			24.47	Aug 26	39.98	Apr 30, 1963
Annual runoff (cfsm)	0.522		0.820		1.48	
Annual runoff (inches)	7.09		11.16		20.14	
10 percent exceeds	514		813		1,420	
50 percent exceeds	149		228		406	
90 percent exceeds	88		98		182	



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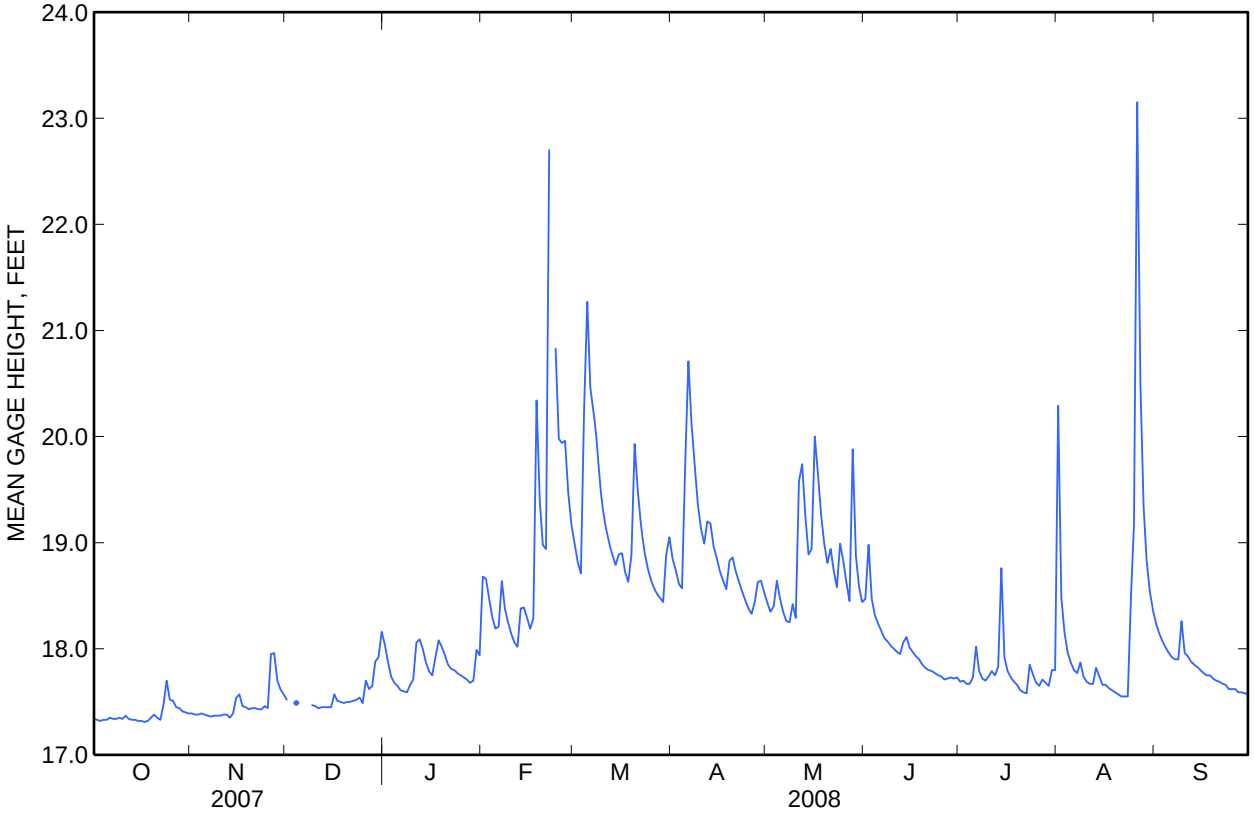
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17.34	17.39	17.52	18.04	18.68	18.99	18.85	18.43	18.47	17.69	20.29	18.23
2	17.33	17.38	---	17.88	18.66	18.82	18.74	18.35	18.98	17.70	18.48	18.14
3	17.32	17.38	---	17.74	18.47	18.71	18.61	18.40	18.47	17.67	18.15	18.07
4	17.33	17.39	17.49	17.68	18.30	20.25	18.57	18.64	18.32	17.67	17.96	18.01
5	17.33	17.38	---	17.65	18.19	21.27	19.74	18.47	18.24	17.73	17.87	17.96
6	17.35	17.37	---	17.61	18.21	20.46	20.71	18.35	18.17	18.02	17.80	17.92
7	17.34	17.36	---	17.60	18.64	20.23	20.13	18.26	18.10	17.79	17.77	17.90
8	17.34	17.37	---	17.59	18.38	19.96	19.74	18.25	18.07	17.72	17.87	17.90
9	17.35	17.37	17.47	17.66	18.25	19.57	19.36	18.42	18.03	17.70	17.74	18.26
10	17.34	17.37	17.46	17.71	18.14	19.30	19.13	18.29	18.00	17.74	17.69	17.96
11	17.37	17.38	17.44	18.06	18.06	19.13	18.99	19.58	17.97	17.79	17.67	17.93
12	17.34	17.38	17.45	18.09	18.02	19.00	19.20	19.74	17.95	17.75	17.67	17.88
13	17.33	17.35	17.45	18.00	18.38	18.88	19.18	19.25	18.06	17.83	17.82	17.85
14	17.33	17.39	17.45	17.87	18.39	18.79	18.96	18.89	18.11	18.76	17.74	17.83
15	17.32	17.54	17.45	17.79	18.29	18.89	18.85	18.94	18.01	17.92	17.66	17.80
16	17.32	17.57	17.57	17.75	18.19	18.90	18.73	20.00	17.97	17.79	17.66	17.77
17	17.31	17.46	17.51	17.92	18.29	18.72	18.64	19.64	17.93	17.73	17.63	17.75
18	17.32	17.45	17.50	18.08	20.34	18.63	18.56	19.27	17.90	17.69	17.61	17.75
19	17.35	17.43	17.49	18.02	19.40	18.88	18.83	18.99	17.85	17.66	17.59	17.72
20	17.38	17.44	17.50	17.94	18.98	19.93	18.86	18.81	17.82	17.61	17.57	17.70
21	17.35	17.44	17.50	17.85	18.94	19.48	18.73	18.94	17.80	17.59	17.55	17.69
22	17.33	17.43	17.51	17.81	22.70	19.17	18.63	18.73	17.79	17.58	17.55	17.67
23	17.48	17.43	17.52	17.80	---	18.95	18.54	18.58	17.77	17.85	17.55	17.66
24	17.70	17.46	17.54	17.77	20.83	18.78	18.46	18.99	17.75	17.76	18.49	17.62
25	17.52	17.44	17.49	17.75	19.98	18.67	18.38	18.83	17.74	17.68	19.18	17.62
26	17.51	17.95	17.70	17.73	19.94	18.58	18.33	18.62	17.71	17.65	23.15	17.62
27	17.45	17.96	17.62	17.71	19.96	18.52	18.44	18.45	17.72	17.71	20.50	17.59
28	17.44	17.70	17.65	17.68	19.47	18.48	18.63	19.88	17.73	17.68	19.34	17.59
29	17.41	17.62	17.88	17.70	19.17	18.44	18.64	18.87	17.72	17.65	18.83	17.58
30	17.40	17.57	17.92	17.99	---	18.88	18.53	18.58	17.73	17.80	18.54	17.57
31	17.39	---	18.16	17.94	---	19.05	---	18.44	---	17.80	18.36	---
Mean	17.38	17.47	---	17.82	---	19.17	18.92	18.83	18.00	17.76	18.30	17.82
Max	17.70	17.96	---	18.09	---	21.27	20.71	20.00	18.98	18.76	23.15	18.26
Min	17.31	17.35	---	17.59	---	18.44	18.33	18.25	17.71	17.58	17.55	17.57

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