Water-Data Report 2012

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 U.S. 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.--No estimated daily discharges. Record considered fair.

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)
Mar 3	1230	*8,870	*27.23

Minimum discharge, 109 ft^3/s, Nov. 2, gage height, 17.48 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 02404400, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02404400.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	155	122	461	440	718	820	579	245	186	120	156	147
2	150	113	365	392	763	937	523	237	183	166	132	139
3	143	120	310	358	676	5,350	485	238	175	248	125	155
4	144	134	273	336	613	3,810	458	246	220	159	125	249
5	140	132	249	322	625	2,390	439	251	298	151	393	291
6	137	124	248	312	584	1,830	426	282	229	142	172	218
7	135	123	379	305	547	1,410	405	308	208	137	146	188
8	133	123	474	297	516	1,060	387	382	199	134	129	187
9	134	127	423	302	484	1,800	373	443	189	132	132	175
10	133	129	357	317	457	1,740	368	381	195	127	536	165
11	137	131	314	331	442	1,360	353	325	209	179	623	157
12	140	128	288	396	426	1,140	343	291	226	165	296	149
13	137	131	271	364	407	1,030	333	321	211	177	211	143
14	135	134	256	335	424	920	325	389	221	167	334	143
15	133	134	247	311	424	831	314	349	357	155	380	140
16	129	146	238	296	424	753	313	335	258	178	236	136
17	128	157	227	299	424	696	320	304	209	159	200	137
18	129	148	220	543	416	651	372	281	183	148	193	178
19	163	145	214	526	517	616	417	261	172	157	243	215
20	163	146	214	455	570	584	372	245	162	151	218	168
21	140	145	225	932	538	553	384	234	154	160	184	157
22	139	149	312	1,090	510	539	366	227	152	148	171	149
23	137	228	1,230	1,910	493	614	339	222	149	143	162	142
24	135	196	723	2,120	471	694	319	212	140	139	154	135
25	135	163	538	1,390	436	616	309	205	154	131	149	133
26	133	157	550	1,210	406	563	298	202	149	123	142	130
27	131	189	765	1,770	387	526	291	192	138	120	138	131
28	119	1,300	856	1,470	379	494	281	189	134	127	164	128
29	122	1,100	751	1,130	384	482	269	183	129	127	264	130
30	121	664	594	923	---	475	260	212	122	117	166	132
31	125	---	498	792	---	595	---	212	---	125	151	---
Total	4,235	6,938	13,070	21,974	14,461	35,879	11,021	8,404	5,711	4,612	6,825	4,847
Mean	137	231	422	709	499	1,157	367	271	190	149	220	162
Max	163	1,300	1,230	2,120	763	5,350	579	443	357	248	623	291
Min	119	113	214	296	379	475	260	183	122	117	125	128
Cfsm	0.28	0.48	0.88	1.47	1.04	2.41	0.76	0.56	0.40	0.31	0.46	0.34
In.	0.33	0.54	1.01	1.70	1.12	2.77	0.85	0.65	0.44	0.36	0.53	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	321	464	632	905	1,363	1,508	1,017	740	488	439	338	298
Max	1,792	1,622	2,028	2,273	4,066	3,625	2,150	3,953	1,676	1,561	1,697	843
(WY)	(1996)	(2010)	(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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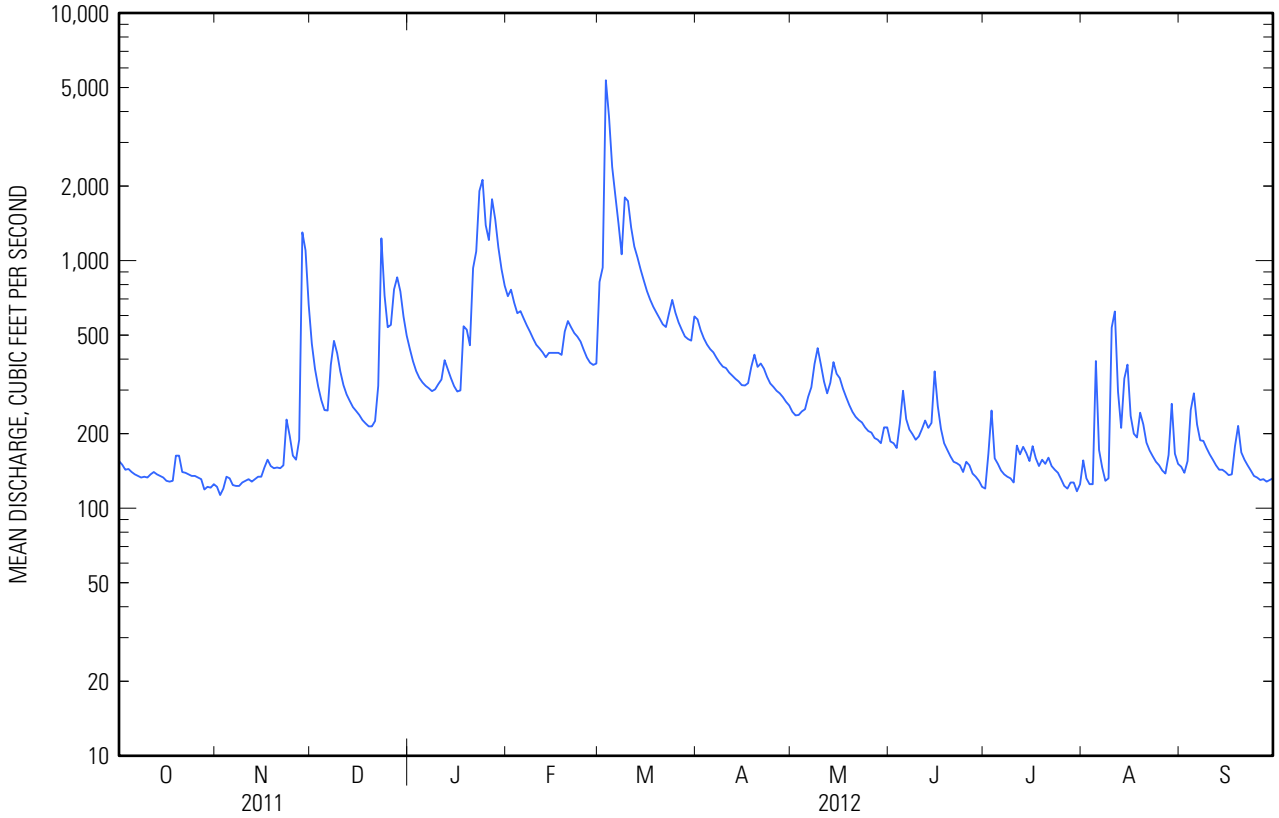
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1961 - 2012	
Annual total	184,677		137,977			
Annual mean	506		377		706	
Highest annual mean					1,316	2003
Lowest annual mean					221	1986
Highest daily mean	8,850	Mar 10	5,350	Mar 3	28,300	Apr 30, 1963
Lowest daily mean	104	Sep 1	113	Nov 2	79	Oct 17, 2007
Annual seven-day minimum	110	Aug 28	120	Oct 28	81	Oct 12, 2007
Maximum peak flow			8,870	Mar 3	36,900	Apr 30, 1963
Maximum peak stage			27.23	Mar 3	39.98	Apr 30, 1963
Annual runoff (cfsm)	1.05		0.784		1.47	
Annual runoff (inches)	14.28		10.67		19.94	
10 percent exceeds	1,080		703		1,420	
50 percent exceeds	257		238		401	
90 percent exceeds	131		131		175	



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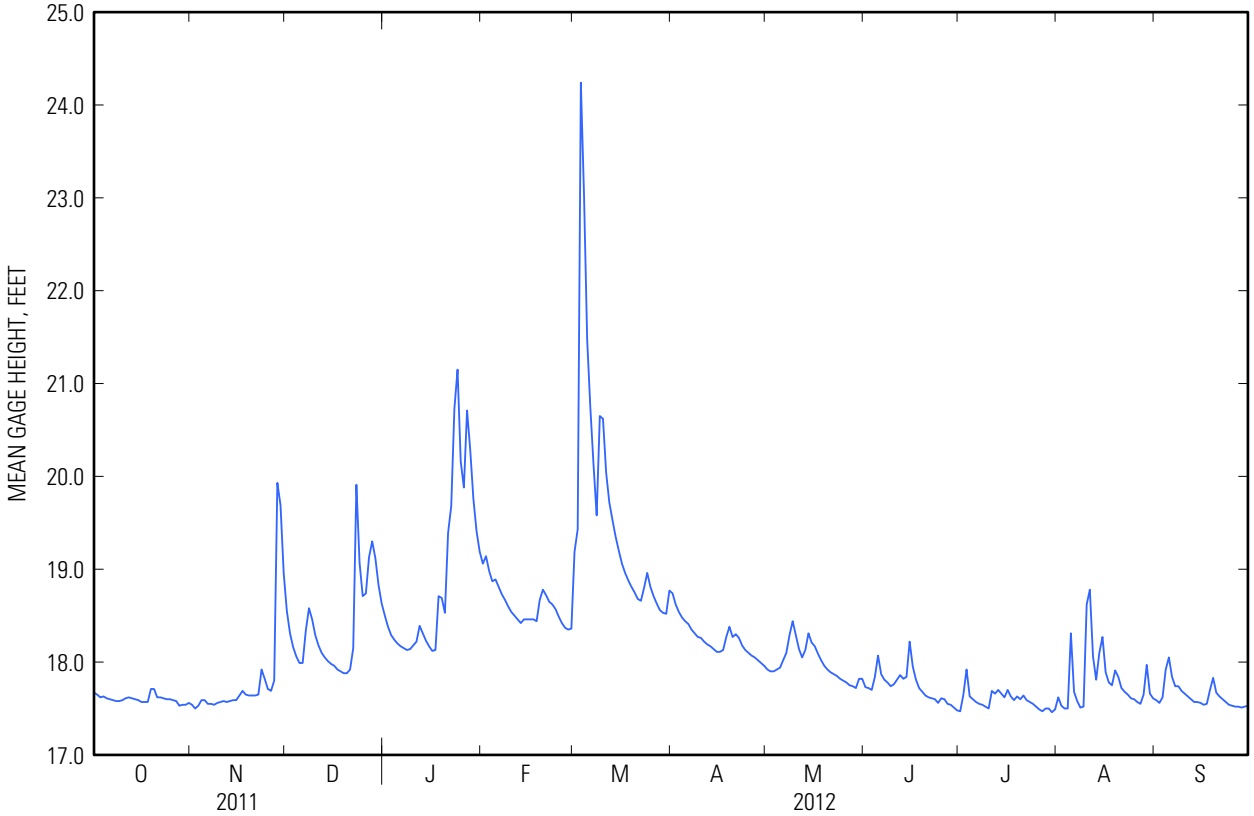
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17.67	17.54	18.55	18.50	19.06	19.19	18.74	17.92	17.73	17.47	17.62	17.59
2	17.65	17.50	18.31	18.38	19.14	19.43	18.62	17.90	17.72	17.65	17.53	17.56
3	17.62	17.53	18.16	18.29	18.98	24.24	18.54	17.90	17.70	17.92	17.50	17.62
4	17.63	17.59	18.06	18.24	18.87	23.03	18.48	17.92	17.84	17.63	17.50	17.92
5	17.61	17.59	17.99	18.20	18.89	21.47	18.44	17.94	18.07	17.60	18.31	18.05
6	17.60	17.55	17.99	18.17	18.81	20.74	18.41	18.02	17.87	17.57	17.68	17.84
7	17.59	17.55	18.34	18.15	18.73	20.13	18.35	18.10	17.81	17.55	17.58	17.74
8	17.58	17.54	18.58	18.13	18.67	19.58	18.31	18.29	17.78	17.54	17.51	17.74
9	17.58	17.56	18.46	18.14	18.60	20.65	18.27	18.44	17.74	17.52	17.52	17.69
10	17.59	17.57	18.29	18.18	18.54	20.62	18.26	18.29	17.76	17.50	18.62	17.66
11	17.61	17.58	18.18	18.22	18.50	20.04	18.22	18.14	17.81	17.69	18.78	17.63
12	17.62	17.57	18.10	18.39	18.46	19.72	18.19	18.05	17.86	17.66	18.06	17.60
13	17.61	17.58	18.05	18.31	18.42	19.53	18.17	18.13	17.82	17.70	17.81	17.57
14	17.60	17.59	18.01	18.23	18.46	19.35	18.14	18.31	17.84	17.66	18.10	17.57
15	17.59	17.59	17.98	18.17	18.46	19.20	18.11	18.21	18.22	17.62	18.27	17.56
16	17.57	17.64	17.96	18.12	18.46	19.06	18.11	18.17	17.95	17.70	17.89	17.54
17	17.57	17.69	17.92	18.13	18.46	18.96	18.13	18.09	17.81	17.63	17.78	17.55
18	17.57	17.65	17.90	18.71	18.44	18.88	18.27	18.02	17.72	17.59	17.75	17.70
19	17.71	17.64	17.88	18.69	18.67	18.81	18.38	17.96	17.68	17.63	17.91	17.83
20	17.71	17.64	17.88	18.53	18.78	18.75	18.27	17.92	17.64	17.60	17.84	17.67
21	17.62	17.64	17.92	19.39	18.72	18.68	18.30	17.89	17.62	17.64	17.72	17.63
22	17.62	17.65	18.15	19.68	18.65	18.66	18.26	17.87	17.61	17.59	17.68	17.60
23	17.61	17.92	19.91	20.73	18.62	18.80	18.18	17.85	17.60	17.57	17.65	17.57
24	17.60	17.82	19.07	21.15	18.57	18.96	18.13	17.82	17.56	17.55	17.61	17.54
25	17.60	17.71	18.71	20.16	18.49	18.81	18.10	17.80	17.61	17.52	17.60	17.53
26	17.59	17.69	18.74	19.88	18.42	18.71	18.07	17.78	17.60	17.49	17.57	17.52
27	17.58	17.80	19.13	20.71	18.37	18.63	18.05	17.75	17.55	17.47	17.55	17.52
28	17.53	19.93	19.30	20.29	18.35	18.56	18.02	17.74	17.54	17.50	17.65	17.51
29	17.54	19.69	19.12	19.76	18.36	18.53	17.99	17.72	17.51	17.50	17.97	17.52
30	17.54	18.96	18.83	19.41	---	18.52	17.96	17.82	17.48	17.46	17.66	17.53
31	17.56	---	18.63	19.19	---	18.77	---	17.82	---	17.49	17.61	---
Mean	17.60	17.82	18.39	18.91	18.62	19.58	18.25	17.99	17.73	17.59	17.80	17.64
Max	17.71	19.93	19.91	21.15	19.14	24.24	18.74	18.44	18.22	17.92	18.78	18.05
Min	17.53	17.50	17.88	18.12	18.35	18.52	17.96	17.72	17.48	17.46	17.50	17.51

	Calendar Year 2011	Water Year 2012
Mean	18.35	18.16
Max	27.17	24.24
Min	17.43	17.46

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