Water-Data Report 2013

02371500 CONECUH RIVER AT BRANTLEY, AL

Escambia Basin
Upper Conecuh Subbasin

LOCATION.--Lat 31°34′24″, long 86°15′06″ referenced to North American Datum of 1927, Crenshaw County, AL, Hydrologic Unit 03140301, on left bank 10 ft upstream of bridge on U.S. Highway 331 and State Highway 52, 0.5 mi downstream of Moody Mill Creek, 0.8 mi southeast of Brantley, and at river mile 112.3.

DRAINAGE AREA.--500 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.-- WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 226.2 ft above NGVD of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Nov. 1, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated discharges. Record considered good

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, about 26 ft, present site and datum, March 1929, from information by local residents; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 15	0800	*7,230	*18.68
Mar 1	0400	5,680	17.41

Minimum discharge, 31 ft^3/s, Nov. 2, 3, 4, gage height, 0.70 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02371500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02371500.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	62	32	64	764	429	5,350	595	239	64	163	2,000	220
2	69	31	61	576	470	4,150	615	231	68	156	2,330	207
3	145	31	60	456	477	3,200	652	222	72	173	2,070	195
4	124	32	59	441	398	2,400	677	268	70	274	1,550	258
5	91	32	58	448	322	1,810	671	360	68	587	1,130	444
6	78	33	59	424	276	1,360	624	412	71	791	835	580
7	70	34	58	382	279	995	544	403	82	933	607	460
8	61	37	56	330	379	850	503	380	89	989	561	292
9	55	40	57	294	581	745	459	340	101	1,450	648	227
10	50	41	62	266	682	669	419	276	113	1,270	653	191
11	46	39	71	246	1,300	665	387	222	114	1,520	565	168
12	42	40	75	233	1,630	931	604	195	113	1,380	519	153
13	40	49	88	222	2,300	996	602	177	103	1,510	472	141
14	38	52	81	215	4,910	991	743	161	92	2,110	457	133
15	37	68	80	210	6,930	982	1,190	148	91	2,850	441	129
16	36	67	77	236	5,290	979	1,160	139	91	2,620	392	122
17	35	59	105	397	3,800	860	1,120	130	92	2,090	522	118
18	36	56	173	576	2,890	704	1,140	121	89	1,520	1,200	116
19	38	54	324	645	2,190	709	1,190	116	103	793	2,670	114
20	38	52	306	673	1,720	749	1,070	114	113	566	2,760	105
21	38	50	293	586	1,280	746	790	109	124	680	2,290	101
22	37	50	313	445	1,280	755	597	104	135	732	1,860	110
23	36	50	255	342	1,670	743	516	101	131	840	1,440	135
24	34	51	217	285	1,610	1,100	437	94	118	885	1,390	153
25	33	50	226	255	1,750	1,190	370	101	100	925	1,510	159
26	33	49	489	236	2,880	1,080	323	93	88	1,060	1,090	210
27	33	50	727	224	3,630	1,080	288	83	80	1,220	538	213
28	32	53	792	214	4,710	1,150	262	77	74	1,820	394	179
29	32	53	821	205	---	1,220	242	72	79	2,610	320	155
30	32	60	833	221	---	1,170	232	67	96	2,250	274	133
31	32	---	842	305	---	832	---	63	---	1,700	241	---
Total	1,563	1,395	7,782	11,352	56,063	41,161	19,022	5,618	2,824	38,467	33,729	5,921
Mean	50.4	46.5	251	366	2,002	1,328	634	181	94.1	1,241	1,088	197
Max	145	68	842	764	6,930	5,350	1,190	412	135	2,850	2,760	580
Min	32	31	56	205	276	665	232	63	64	156	241	101
Cfsm	0.10	0.09	0.50	0.73	4.00	2.66	1.27	0.36	0.19	2.48	2.18	0.39
In.	0.12	0.10	0.58	0.84	4.17	3.06	1.42	0.42	0.21	2.86	2.51	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	214	337	657	903	1,139	1,470	1,093	524	364	401	334	242
Max	1,794	2,702	3,505	2,782	2,922	4,000	4,033	2,646	2,163	3,291	2,683	1,721
(WY)	(1976)	(1949)	(2010)	(1943)	(1961)	(1944)	(1944)	(1953)	(1989)	(1994)	(1939)	(1961)
Min	21.9	44.3	106	154	276	206	134	55.1	30.4	32.2	23.2	24.6
(WY)	(2001)	(2012)	(1955)	(1981)	(2000)	(1955)	(1967)	(2011)	(2011)	(2000)	(2007)	(2007)

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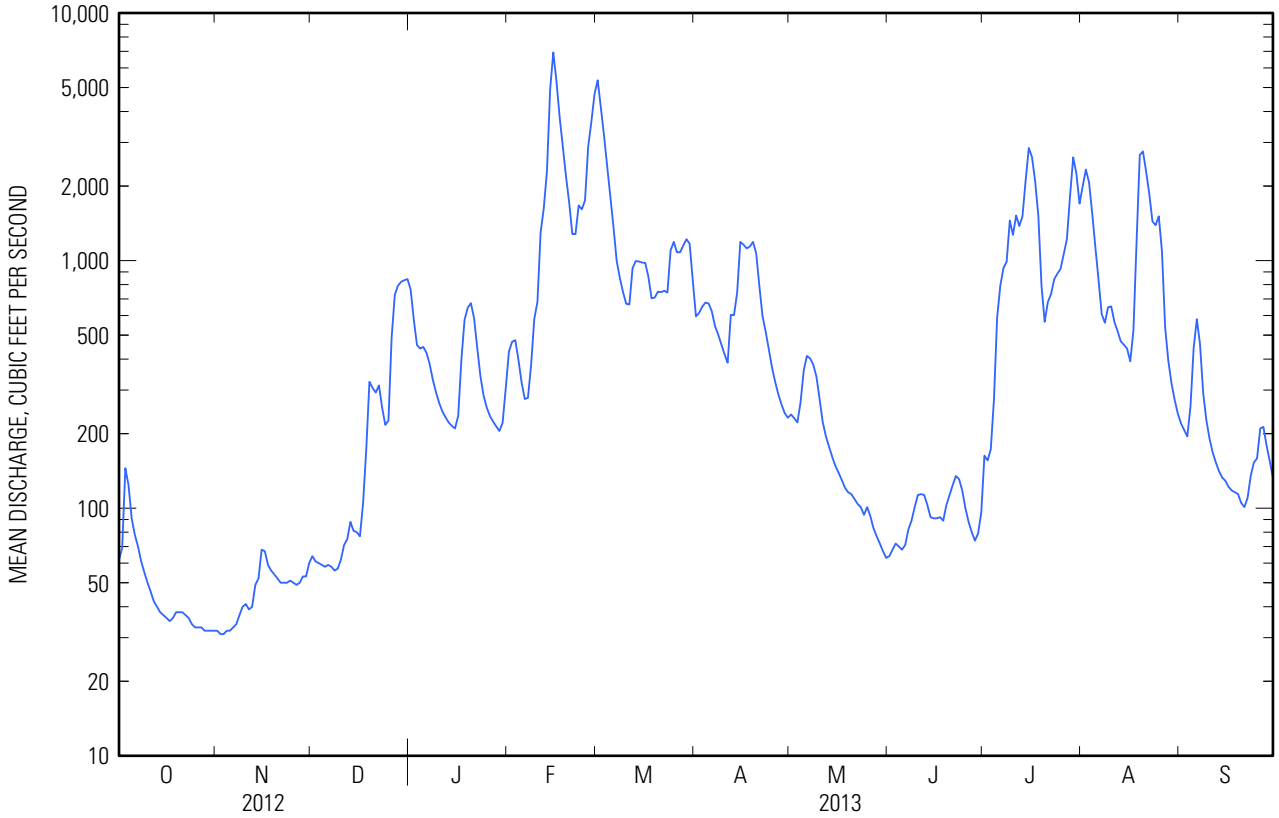
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1938 - 2013	
Annual total	78,316		224,897			
Annual mean	214		616		638	
Highest annual mean					1,193	1944
Lowest annual mean					192	2000
Highest daily mean	2,060	Feb 24	6,930	Feb 15	23,100	Mar 18, 1990
Lowest daily mean	31	Nov 2	31	Nov 2, 3	14	Aug 31, 2000
Annual seven-day minimum	32	Oct 28	32	Oct 28	15	Aug 25, 2000
Maximum peak flow			7,230	Feb 15	25,700	Mar 18, 1990
Maximum peak stage			18.68	Feb 15	24.51	Feb 19, 1975
Annual runoff (cfsm)	0.428		1.23		1.28	
Annual runoff (inches)	5.83		16.73		17.32	
10 percent exceeds	595		1,530		1,450	
50 percent exceeds	91		268		317	
90 percent exceeds	38		50		64	



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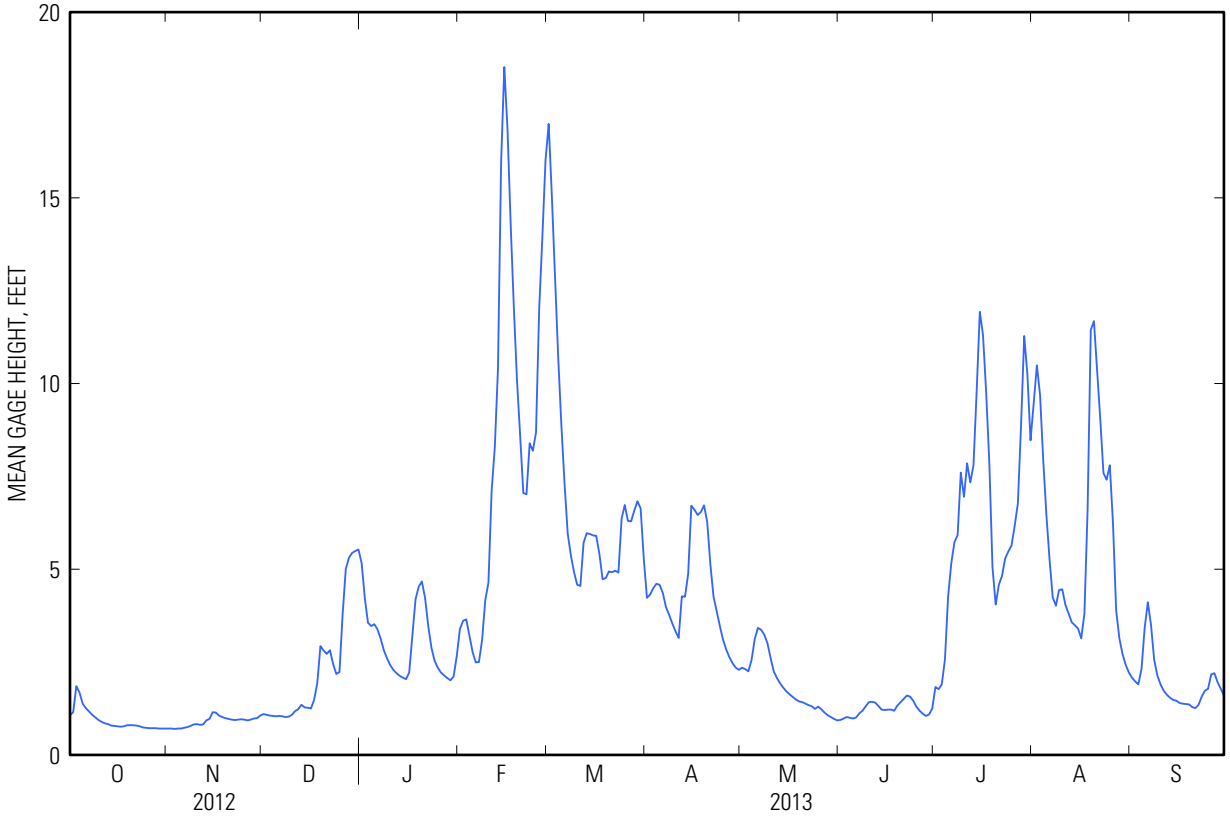
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.07	0.71	1.10	5.16	3.39	16.99	4.23	2.35	0.94	1.83	9.47	2.08
2	1.15	0.71	1.08	4.22	3.61	15.05	4.32	2.31	0.98	1.77	10.49	1.98
3	1.85	0.70	1.06	3.56	3.65	12.87	4.49	2.25	1.02	1.90	9.69	1.90
4	1.68	0.71	1.05	3.47	3.21	10.71	4.61	2.56	1.00	2.57	7.94	2.31
5	1.38	0.71	1.04	3.52	2.77	8.88	4.58	3.12	0.98	4.27	6.46	3.42
6	1.26	0.73	1.05	3.38	2.49	7.31	4.36	3.42	1.01	5.16	5.26	4.11
7	1.17	0.75	1.04	3.13	2.50	5.96	3.98	3.37	1.12	5.73	4.24	3.50
8	1.08	0.78	1.02	2.82	3.10	5.37	3.77	3.24	1.19	5.92	4.02	2.56
9	1.01	0.82	1.03	2.60	4.17	4.92	3.54	3.01	1.31	7.60	4.44	2.14
10	0.94	0.83	1.08	2.42	4.64	4.58	3.33	2.61	1.42	6.95	4.46	1.90
11	0.89	0.81	1.18	2.29	7.11	4.55	3.15	2.25	1.43	7.85	4.04	1.73
12	0.85	0.82	1.23	2.20	8.28	5.71	4.27	2.07	1.41	7.34	3.81	1.62
13	0.83	0.93	1.35	2.13	10.39	5.97	4.26	1.93	1.32	7.80	3.57	1.54
14	0.79	0.97	1.28	2.08	15.98	5.95	4.87	1.81	1.22	9.79	3.49	1.48
15	0.78	1.15	1.27	2.04	18.52	5.91	6.71	1.71	1.21	11.93	3.40	1.46
16	0.77	1.14	1.25	2.22	16.87	5.90	6.60	1.63	1.22	11.31	3.14	1.40
17	0.76	1.06	1.48	3.21	14.31	5.41	6.46	1.56	1.22	9.76	3.81	1.38
18	0.77	1.02	1.93	4.19	12.06	4.73	6.54	1.49	1.19	7.86	6.61	1.37
19	0.80	0.99	2.93	4.53	10.09	4.76	6.72	1.44	1.33	5.05	11.44	1.36
20	0.80	0.97	2.81	4.67	8.59	4.94	6.28	1.42	1.42	4.05	11.68	1.29
21	0.80	0.95	2.72	4.23	7.05	4.92	5.13	1.38	1.51	4.58	10.35	1.26
22	0.79	0.94	2.82	3.48	7.02	4.96	4.26	1.34	1.60	4.82	9.03	1.35
23	0.77	0.95	2.45	2.89	8.39	4.91	3.87	1.31	1.57	5.29	7.59	1.57
24	0.74	0.96	2.18	2.54	8.19	6.36	3.47	1.24	1.46	5.48	7.41	1.73
25	0.73	0.95	2.23	2.35	8.68	6.73	3.10	1.30	1.30	5.64	7.80	1.78
26	0.72	0.93	3.79	2.22	12.00	6.30	2.84	1.23	1.19	6.17	6.25	2.17
27	0.72	0.95	5.01	2.14	13.93	6.29	2.63	1.14	1.11	6.77	3.90	2.20
28	0.72	0.98	5.31	2.07	16.01	6.58	2.47	1.07	1.05	8.86	3.15	1.96
29	0.71	0.99	5.44	2.01	---	6.83	2.35	1.02	1.09	11.28	2.72	1.78
30	0.71	1.06	5.49	2.11	---	6.64	2.29	0.97	1.25	10.25	2.43	1.61
31	0.71	---	5.53	2.66	---	5.28	---	0.93	---	8.47	2.22	---
Mean	0.93	0.90	2.27	2.99	8.46	6.85	4.32	1.89	1.24	6.58	5.95	1.93
Max	1.85	1.15	5.53	5.16	18.52	16.99	6.72	3.42	1.60	11.93	11.68	4.11
Min	0.71	0.70	1.02	2.01	2.49	4.55	2.29	0.93	0.94	1.77	2.22	1.26

	Water Year 2013
Mean	3.67
Max	18.52
Min	0.70

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