Water-Data Report 2013

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

Pearl Basin
Bogue Chitto Subbasin

LOCATION.--Lat 31°10′37″, long 90°16′46″ referenced to North American Datum of 1983, in NW ¼ SE ¼ SE ¼ sec.34, T.3 N., R.9 E., Pike County, MS, Hydrologic Unit 03180005, Washington Meridian, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi upstream from Bars Branch, 2.2 mi downstream from Topishaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 2	0130	6,680	14.57
Dec 29	1245	8,000	15.80
Jan 10	0130	7,680	15.51
Jan 16	0145	7,840	15.65
Feb 12	1145	*17,700	*22.70

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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	4,710	250	288	2,290	1,040	774	384	444	334	301	283	262
2	5,100	250	273	2,610	647	660	373	515	355	298	279	261
3	2,480	250	266	2,650	525	594	452	476	501	300	277	265
4	919	252	263	2,790	472	553	596	460	645	300	273	261
5	605	261	298	1,640	445	527	819	553	432	308	267	258
6	498	257	329	834	429	499	707	472	364	298	266	261
7	435	253	329	750	695	474	503	397	340	300	262	256
8	396	251	308	706	1,040	453	436	365	528	314	259	253
9	371	246	293	3,650	864	441	403	349	452	323	258	251
10	354	244	432	6,980	725	435	384	1,250	393	353	259	249
11	338	244	784	6,920	6,340	1,120	417	2,450	367	463	262	247
12	324	270	738	5,530	15,700	2,790	441	1,930	352	571	258	244
13	312	341	473	4,440	12,900	2,860	475	1,430	341	415	290	248
14	302	428	379	4,670	6,790	2,390	1,050	673	332	358	795	248
15	293	319	341	6,700	3,550	896	1,590	518	325	328	744	245
16	378	281	336	6,890	1,640	637	1,580	454	320	317	558	243
17	407	264	553	4,640	1,040	555	1,050	422	314	309	1,390	241
18	436	259	1,050	3,450	848	510	602	401	315	318	1,190	238
19	423	255	805	2,260	1,180	544	558	384	368	317	466	245
20	332	253	527	1,220	1,760	489	551	369	330	305	370	242
21	302	250	445	917	1,800	457	548	357	331	315	336	455
22	286	248	396	762	4,280	434	459	422	324	325	318	775
23	277	247	367	662	4,320	422	415	602	317	313	307	676
24	273	246	352	598	2,960	423	425	635	357	326	304	417
25	268	244	583	547	2,230	413	624	449	423	313	295	374
26	266	248	1,800	518	1,590	404	799	387	341	294	288	626
27	260	270	1,720	487	1,320	384	573	360	338	304	282	468
28	257	302	2,350	464	1,010	375	469	342	319	317	276	335
29	254	382	7,300	447	---	368	419	333	320	297	273	299
30	253	322	6,120	626	---	365	402	331	308	292	269	286
31	253	---	4,650	988	---	366	---	330	---	289	266	---
Total	22,362	8,187	35,148	78,636	78,140	22,612	18,504	18,860	11,086	10,181	12,220	9,729
Mean	721	273	1,134	2,537	2,791	729	617	608	370	328	394	324
Max	5,100	428	7,300	6,980	15,700	2,860	1,590	2,450	645	571	1,390	775
Min	253	244	263	447	429	365	373	330	308	289	258	238
Med	332	253	432	1,640	1,250	489	489	444	340	313	282	260
Cfsm	1.47	0.55	2.30	5.16	5.67	1.48	1.25	1.24	0.75	0.67	0.80	0.66
In.	1.69	0.62	2.66	5.95	5.91	1.71	1.40	1.43	0.84	0.77	0.92	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	404	487	864	1,232	1,476	1,332	1,172	776	503	447	426	446
Max	1,919	2,118	2,976	4,728	4,916	3,625	4,718	4,317	1,744	1,503	1,820	1,766
(WY)	(2003)	(1958)	(1972)	(1990)	(2004)	(1973)	(1983)	(1953)	(1975)	(1946)	(2012)	(2008)
Min	182	212	291	279	257	299	303	220	208	176	168	200
(WY)	(2001)	(1957)	(2008)	(1956)	(2000)	(2007)	(2006)	(2000)	(2008)	(2000)	(2000)	(2000)

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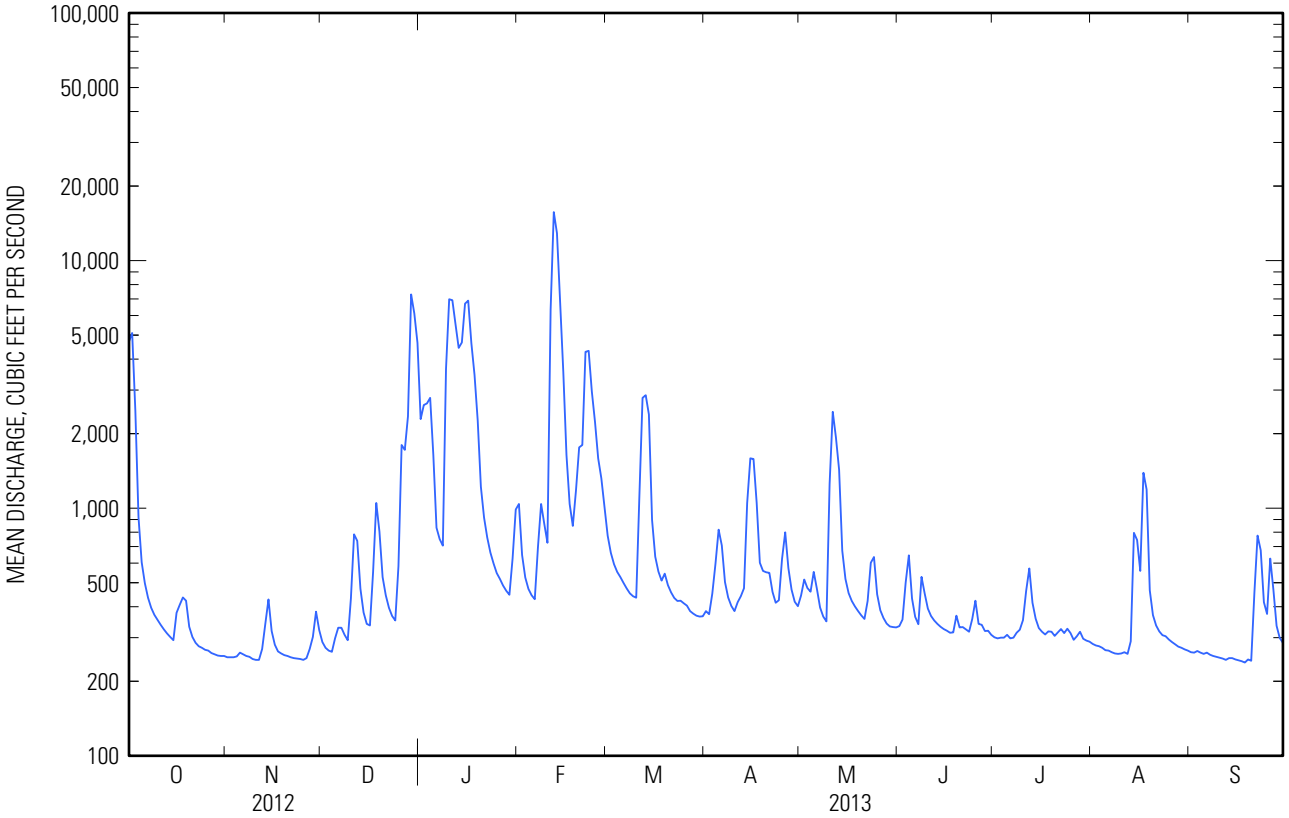
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1944 - 2013	
Annual total	352,329		325,665			
Annual mean	963		892		794	
Highest annual mean					1,301	1983
Lowest annual mean					269	2000
Highest daily mean	30,300	Aug 31	15,700	Feb 12	56,900	Apr 7, 1983
Lowest daily mean	192	Jul 1	238	Sep 18	141	Sep 6, 2000
Annual seven-day minimum	195	Jun 28	243	Sep 14	146	Sep 2, 2000
Maximum peak flow			17,700	Feb 12	64,200	Apr 7, 1983
Maximum peak stage			22.70	Feb 12	34.62	Apr 7, 1983
Annual runoff (cfsm)	1.96		1.81		1.61	
Annual runoff (inches)	26.64		24.62		21.92	
10 percent exceeds	2,050		1,850		1,520	
50 percent exceeds	344		393		382	
90 percent exceeds	228		258		240	



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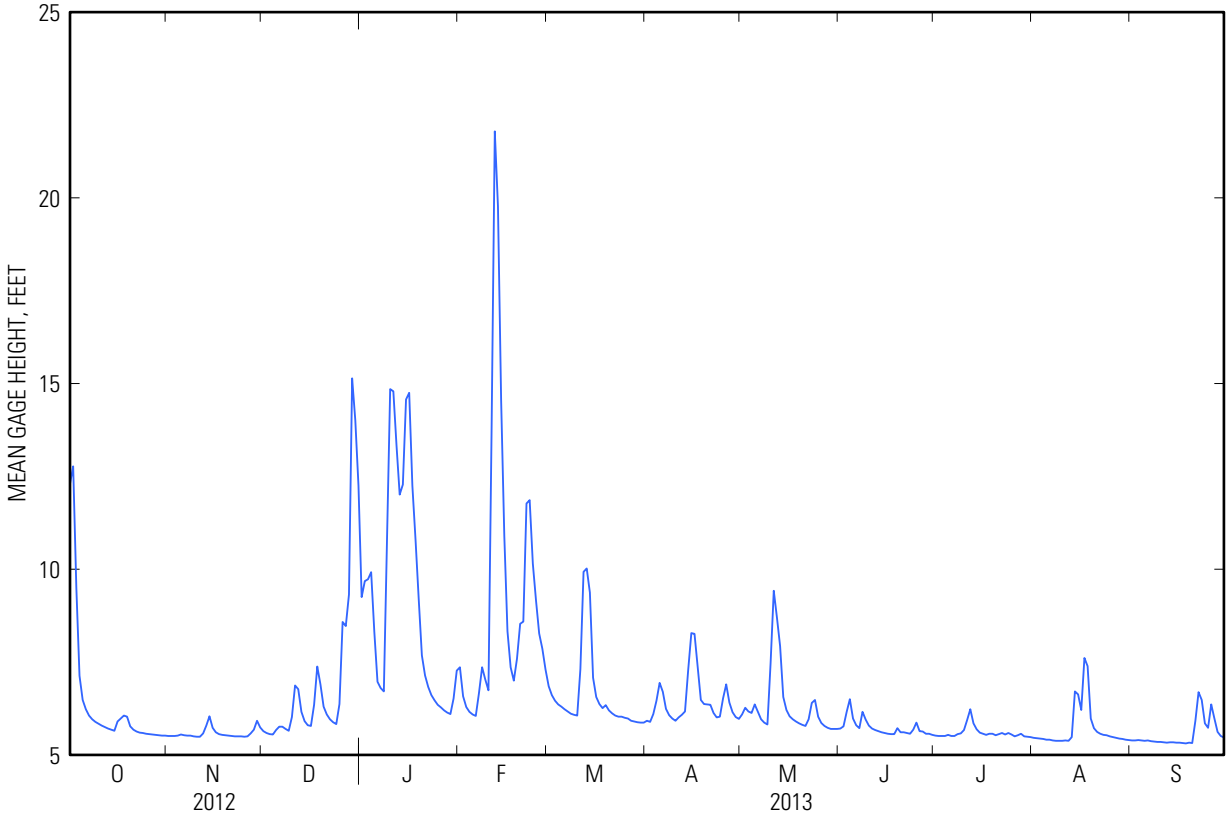
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.30	5.51	5.64	9.25	7.36	6.85	5.92	6.09	5.71	5.52	5.46	5.39
2	12.77	5.51	5.59	9.68	6.58	6.61	5.89	6.27	5.77	5.51	5.45	5.39
3	9.50	5.51	5.56	9.73	6.29	6.46	6.10	6.17	6.16	5.51	5.44	5.40
4	7.13	5.52	5.55	9.92	6.16	6.36	6.46	6.13	6.50	5.51	5.43	5.39
5	6.48	5.55	5.67	8.31	6.09	6.30	6.94	6.36	5.98	5.54	5.41	5.38
6	6.23	5.53	5.76	6.97	6.05	6.23	6.70	6.16	5.80	5.51	5.41	5.39
7	6.06	5.52	5.76	6.80	6.66	6.17	6.24	5.96	5.72	5.51	5.39	5.37
8	5.96	5.52	5.70	6.71	7.36	6.11	6.07	5.87	6.16	5.56	5.38	5.36
9	5.89	5.50	5.65	10.80	7.03	6.08	5.98	5.82	5.95	5.58	5.38	5.35
10	5.84	5.49	6.02	14.85	6.74	6.06	5.92	7.47	5.79	5.67	5.38	5.35
11	5.79	5.49	6.87	14.79	13.83	7.31	6.01	9.42	5.71	5.94	5.39	5.34
12	5.75	5.58	6.77	13.33	21.79	9.93	6.08	8.70	5.67	6.23	5.38	5.33
13	5.71	5.79	6.16	12.01	19.77	10.02	6.17	7.93	5.64	5.85	5.48	5.34
14	5.68	6.04	5.91	12.28	14.55	9.37	7.28	6.56	5.61	5.69	6.71	5.34
15	5.65	5.73	5.80	14.57	10.90	7.08	8.28	6.21	5.59	5.60	6.63	5.33
16	5.90	5.61	5.78	14.75	8.33	6.56	8.26	6.04	5.57	5.57	6.21	5.33
17	5.98	5.56	6.35	12.25	7.36	6.37	7.37	5.96	5.56	5.54	7.61	5.32
18	6.06	5.54	7.38	10.79	7.00	6.26	6.48	5.90	5.56	5.57	7.39	5.31
19	6.03	5.53	6.90	9.20	7.59	6.34	6.37	5.85	5.72	5.57	5.98	5.33
20	5.77	5.52	6.30	7.68	8.53	6.20	6.36	5.81	5.61	5.53	5.72	5.32
21	5.68	5.51	6.09	7.14	8.59	6.12	6.35	5.78	5.61	5.56	5.62	5.92
22	5.63	5.50	5.96	6.83	11.77	6.06	6.13	5.96	5.59	5.59	5.57	6.69
23	5.60	5.50	5.88	6.61	11.86	6.03	6.01	6.40	5.57	5.55	5.54	6.48
24	5.59	5.50	5.83	6.47	10.15	6.03	6.03	6.48	5.68	5.59	5.53	5.85
25	5.57	5.49	6.37	6.35	9.16	6.00	6.52	6.03	5.87	5.55	5.50	5.73
26	5.56	5.50	8.58	6.28	8.27	5.98	6.90	5.86	5.64	5.50	5.48	6.36
27	5.55	5.58	8.47	6.20	7.86	5.92	6.41	5.78	5.63	5.53	5.46	5.98
28	5.54	5.68	9.32	6.14	7.30	5.90	6.15	5.73	5.57	5.57	5.44	5.62
29	5.53	5.92	15.14	6.10	---	5.88	6.02	5.70	5.57	5.50	5.43	5.51
30	5.52	5.74	14.01	6.52	---	5.87	5.97	5.70	5.54	5.49	5.41	5.47
31	5.52	---	12.25	7.27	---	5.87	---	5.70	---	5.48	5.40	---
Mean	6.38	5.58	7.07	9.24	9.32	6.59	6.45	6.32	5.74	5.59	5.71	5.56
Max	12.77	6.04	15.14	14.85	21.79	10.02	8.28	9.42	6.50	6.23	7.61	6.69
Min	5.52	5.49	5.55	6.10	6.05	5.87	5.89	5.70	5.54	5.48	5.38	5.31

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