Water-Data Report 2013

07275900 COLDWATER RIVER NEAR OLIVE BRANCH, MS

Yazoo Basin
Coldwater Subbasin

LOCATION.--Lat 34°54′27″, long 89°45′12″ referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.17, T.2 S., R.5 W., DeSoto County, MS, Hydrologic Unit 08030204, Chickasaw Meridian, at State Highway 178, about 7 miles east of Olive Branch, Mississippi.

DRAINAGE AREA.--191 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1996 to 2008 operated as a continuous-record gaging station; 2009 converted to a crest-stage gage; 2013 converted back to continuous-record gaging station.

GAGE--Water stage recorder. Datum of gage is 280 ft above NGVD of 1929 (Mississippi Department of Transportation bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft^3/s, April 28, 2011, maximum gage height, 14.87 ft, April 28, 2011.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 14	1300	*5,720	*10.22
Apr 12	1545	3,900	9.23

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 07275900, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07275900.2013.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	---	51	58	266	1,390	143	192	85	72	50	55	49
2	---	50	57	289	687	122	131	99	76	50	53	51
3	---	51	58	267	189	102	101	433	78	50	50	50
4	---	54	77	135	139	93	95	665	71	49	49	49
5	---	57	78	93	122	89	99	942	67	93	51	48
6	---	56	67	80	114	90	97	939	102	213	52	47
7	---	54	62	74	106	86	87	744	141	192	54	47
8	---	54	84	69	289	80	82	310	82	74	53	48
9	---	53	121	72	436	78	80	135	92	56	51	48
10	---	53	380	579	607	103	78	180	107	52	49	50
11	---	55	286	1,110	594	381	870	155	239	50	48	49
12	---	94	248	1,430	682	998	2,950	174	360	49	50	63
13	---	120	109	2,350	541	1,380	2,640	123	136	47	57	51
14	---	91	79	4,870	211	516	1,140	91	74	46	58	47
15	---	68	73	3,550	152	150	324	82	62	46	53	46
16	---	61	76	1,510	124	116	144	78	57	47	50	46
17	---	58	80	684	111	103	115	77	60	47	49	46
18	---	56	76	328	126	123	177	92	132	47	50	47
19	---	56	67	203	370	225	821	93	92	47	51	47
20	---	55	67	157	405	262	1,410	81	69	46	51	55
21	---	56	73	134	469	136	1,230	277	58	46	50	123
22	---	56	75	118	424	125	494	964	53	373	49	198
23	---	57	67	108	418	139	154	1,120	51	237	50	128
24	---	58	72	102	252	378	155	1,260	50	114	51	66
25	50	58	103	99	159	390	132	633	49	75	50	58
26	53	59	185	100	223	261	116	127	48	59	49	58
27	58	65	215	102	294	131	105	91	48	53	49	55
28	61	70	179	99	236	104	112	83	61	52	49	53
29	55	63	275	97	---	94	106	75	65	51	48	52
30	51	59	381	353	---	113	92	71	57	50	48	52
31	51	---	379	791	---	196	---	70	---	51	48	---
Total	---	1,848	4,207	20,219	9,870	7,307	14,329	10,349	2,709	2,512	1,575	1,827
Mean	---	61.6	136	652	352	236	478	334	90.3	81.0	50.8	60.9
Max	---	120	381	4,870	1,390	1,380	2,950	1,260	360	373	58	198
Min	---	50	57	69	106	78	78	70	48	46	48	46
Med	---	56	78	157	270	125	132	127	70	50	50	50
Cfsm	---	0.32	0.71	3.41	1.85	1.23	2.50	1.75	0.47	0.42	0.27	0.32
In.	---	0.36	0.82	3.94	1.92	1.42	2.79	2.02	0.53	0.49	0.31	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	161	177	304	343	388	386	308	255	112	81.9	72.3	123
Max	716	747	1,067	652	759	1,082	595	780	396	144	111	470
(WY)	(2003)	(2002)	(2002)	(2013)	(2003)	(1997)	(2008)	(2003)	(1997)	(2004)	(2002)	(2002)
Min	40.5	61.6	93.0	90.4	120	77.1	107	54.5	46.2	43.6	40.6	44.8
(WY)	(2001)	(2013)	(2006)	(2000)	(2007)	(2007)	(2006)	(2007)	(2007)	(2001)	(2000)	(2000)

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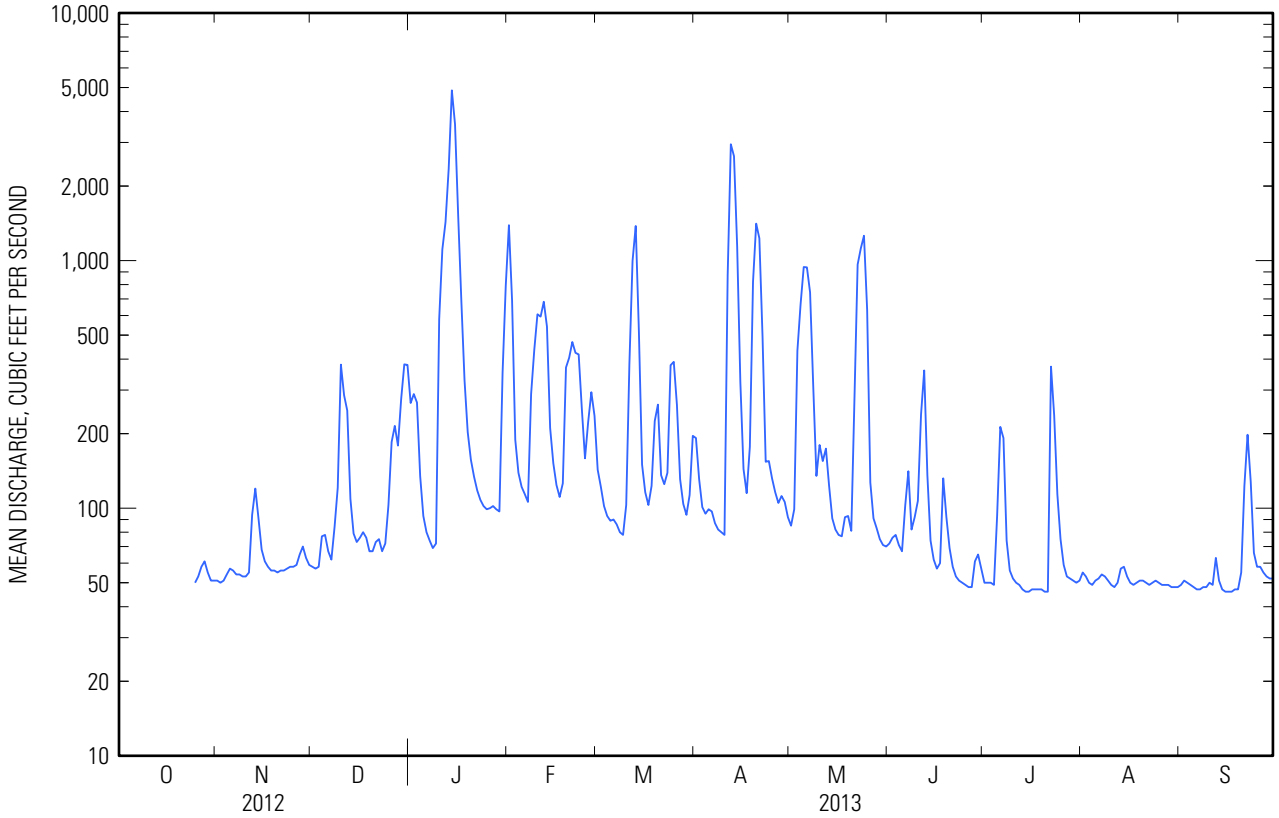
SUMMARY STATISTICS

	Water Years 1997 - 2013	
Annual mean	227	
Highest annual mean	415	2002
Lowest annual mean	103	2000
Highest daily mean	13,400	Nov 30, 2001
Lowest daily mean	34	Sep 6, 2000
Annual seven-day minimum	35	Aug 31, 2000
Maximum peak flow	14,900	Nov 30, 2001
Maximum peak stage	13.60	Nov 30, 2001
Instantaneous low flow	34	Sep 5, 2000
Annual runoff (cfsm)	1.19	
Annual runoff (inches)	16.13	
10 percent exceeds	443	
50 percent exceeds	92	
90 percent exceeds	49	



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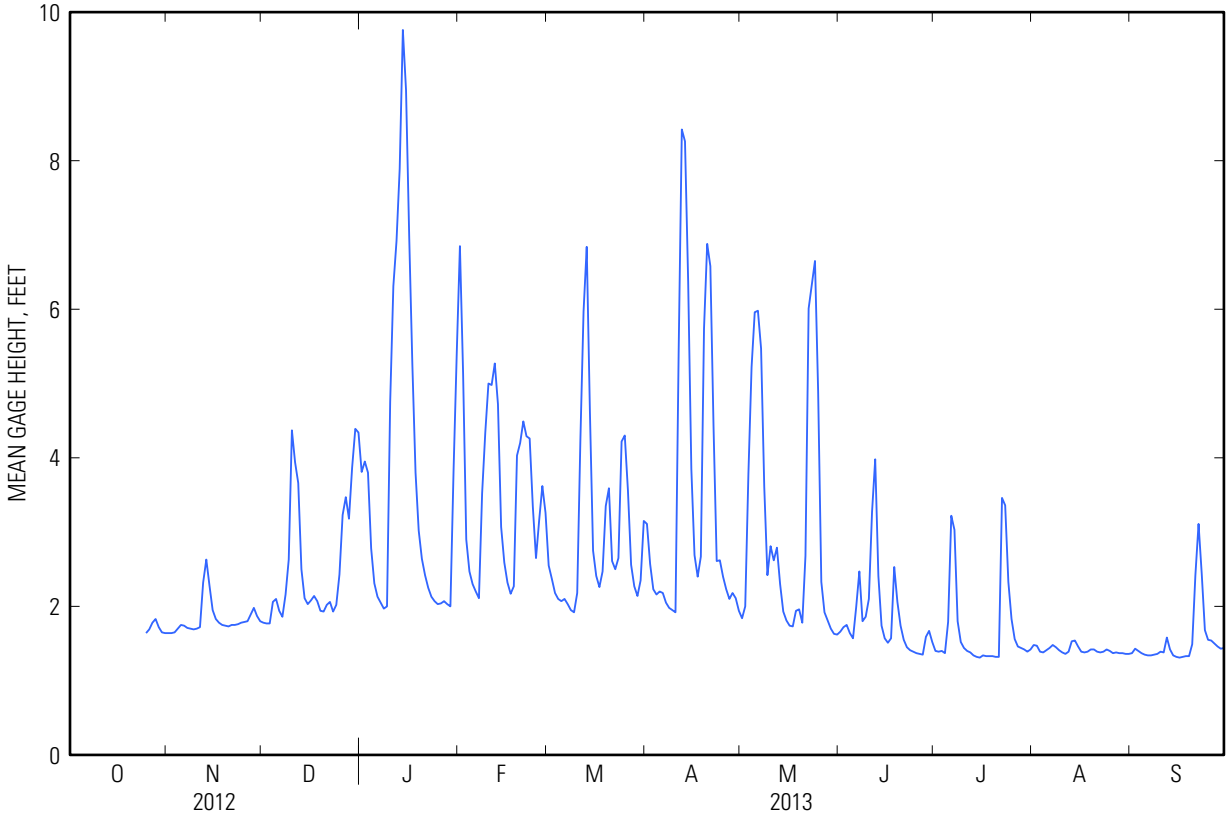
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	1.64	1.78	3.81	6.85	2.55	3.11	1.84	1.66	1.40	1.48	1.37
2	---	1.64	1.77	3.95	5.14	2.37	2.57	2.00	1.72	1.39	1.47	1.43
3	---	1.65	1.77	3.80	2.90	2.18	2.23	3.78	1.75	1.40	1.39	1.40
4	---	1.70	2.06	2.78	2.47	2.10	2.16	5.22	1.64	1.37	1.38	1.37
5	---	1.75	2.10	2.31	2.30	2.07	2.20	5.96	1.57	1.79	1.41	1.35
6	---	1.74	1.94	2.13	2.20	2.10	2.18	5.98	1.99	3.22	1.44	1.34
7	---	1.71	1.86	2.05	2.11	2.03	2.05	5.47	2.47	3.03	1.48	1.34
8	---	1.70	2.16	1.97	3.52	1.95	1.98	3.61	1.80	1.80	1.45	1.35
9	---	1.69	2.63	2.00	4.34	1.92	1.95	2.42	1.86	1.52	1.41	1.36
10	---	1.70	4.37	4.75	5.00	2.18	1.92	2.81	2.10	1.44	1.38	1.39
11	---	1.72	3.94	6.31	4.98	4.24	5.43	2.62	3.27	1.40	1.36	1.38
12	---	2.32	3.66	6.92	5.27	5.97	8.42	2.79	3.98	1.38	1.39	1.58
13	---	2.63	2.50	7.89	4.72	6.84	8.26	2.30	2.41	1.34	1.53	1.42
14	---	2.28	2.11	9.76	3.07	4.63	6.37	1.93	1.74	1.32	1.54	1.34
15	---	1.95	2.03	8.95	2.59	2.75	3.85	1.81	1.57	1.31	1.46	1.32
16	---	1.83	2.08	6.98	2.32	2.41	2.69	1.74	1.51	1.34	1.39	1.31
17	---	1.78	2.14	5.25	2.17	2.26	2.40	1.73	1.57	1.33	1.38	1.32
18	---	1.75	2.07	3.80	2.27	2.47	2.67	1.94	2.53	1.33	1.39	1.33
19	---	1.74	1.94	3.02	4.03	3.35	5.74	1.96	2.06	1.33	1.42	1.33
20	---	1.73	1.93	2.64	4.20	3.59	6.88	1.78	1.74	1.32	1.42	1.49
21	---	1.75	2.02	2.42	4.49	2.61	6.58	2.68	1.55	1.32	1.39	2.42
22	---	1.75	2.06	2.25	4.29	2.50	4.42	6.01	1.45	3.46	1.38	3.11
23	---	1.76	1.93	2.13	4.26	2.65	2.61	6.33	1.41	3.36	1.39	2.44
24	---	1.78	2.02	2.07	3.34	4.22	2.62	6.65	1.39	2.33	1.42	1.68
25	1.64	1.79	2.43	2.03	2.65	4.30	2.40	4.89	1.37	1.83	1.40	1.55
26	1.69	1.80	3.23	2.04	3.16	3.56	2.23	2.33	1.36	1.56	1.37	1.54
27	1.78	1.89	3.47	2.07	3.62	2.56	2.10	1.92	1.35	1.46	1.38	1.50
28	1.83	1.98	3.18	2.03	3.26	2.27	2.18	1.81	1.59	1.44	1.37	1.46
29	1.72	1.87	3.87	2.00	---	2.14	2.11	1.70	1.67	1.42	1.37	1.43
30	1.65	1.80	4.39	3.84	---	2.35	1.94	1.63	1.52	1.39	1.36	1.44
31	1.64	---	4.34	5.41	---	3.15	---	1.62	---	1.42	1.36	---
Mean	---	1.83	2.57	3.85	3.63	2.98	3.48	3.14	1.85	1.70	1.41	1.54
Max	---	2.63	4.39	9.76	6.85	6.84	8.42	6.65	3.98	3.46	1.54	3.11
Min	---	1.64	1.77	1.97	2.11	1.92	1.92	1.62	1.35	1.31	1.36	1.31
Med	---	1.75	2.10	2.78	3.43	2.50	2.48	2.33	1.66	1.40	1.39	1.40

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