Water-Data Report 2012

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

Pascagoula Basin
Lower Leaf Subbasin

LOCATION.--Lat 31°13′18″, long 89°03′11″ referenced to North American Datum of 1983, in NE ¼ SW ¼ sec.13, T.3 N., R.11 W., Perry County, MS, Hydrologic Unit 03170005, St. Stephens Meridian, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2,542 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1983 to current year. Daily mean gage heights published since December 1983.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 72.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of February 1961 and April 1974 reached stage of 35.3 ft, discharge, 112,000 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 20	1345	24,400	19.83
Mar 25	0900	*36,500	*24.45
Sep 2	0630	30,600	22.76

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 02474560, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02474560.2012.pdf

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS—Continued

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	865	569	929	3,310	4,360	4,440	4,320	1,160	632	563	941	29,500
2	812	567	854	2,200	5,690	5,110	3,840	1,160	722	550	884	30,000
3	768	567	799	1,740	5,080	4,740	5,290	1,250	827	539	831	25,400
4	733	579	753	1,480	5,040	9,230	8,780	1,270	867	577	785	18,200
5	708	581	720	1,300	6,000	10,600	12,700	1,310	922	575	778	14,700
6	691	580	726	1,170	6,960	7,520	9,140	1,250	843	565	1,130	10,600
7	677	587	872	1,070	7,210	5,830	7,070	1,350	775	556	1,190	6,670
8	660	580	889	1,010	6,280	4,960	5,550	1,140	760	551	957	3,870
9	645	586	889	1,030	4,360	4,590	4,320	1,070	843	668	963	3,130
10	630	604	852	3,240	3,000	8,140	3,440	1,100	1,020	809	1,670	2,660
11	621	595	804	7,880	2,470	10,400	2,940	1,160	1,200	784	1,860	2,350
12	614	585	764	9,560	2,140	9,330	2,610	1,090	1,170	941	2,080	2,130
13	756	567	736	7,220	1,930	8,750	2,370	1,370	1,160	1,380	1,680	1,970
14	751	559	717	4,900	2,020	6,850	2,180	1,130	1,270	1,500	1,340	1,820
15	727	553	713	3,180	3,280	5,010	2,030	1,090	1,590	2,250	1,060	1,700
16	699	589	727	2,240	7,970	3,720	1,930	1,660	1,900	2,580	1,100	1,610
17	673	619	707	1,910	10,300	3,110	2,070	1,660	1,530	1,950	2,080	1,610
18	647	734	693	5,480	10,000	2,710	3,530	1,250	1,140	2,440	2,250	2,190
19	629	871	691	5,000	20,900	2,430	3,670	1,040	960	4,770	3,420	1,900
20	613	785	694	2,930	24,200	2,210	2,870	931	860	3,950	3,690	1,810
21	604	720	696	2,330	21,500	2,130	2,350	863	798	4,240	2,280	2,060
22	597	696	804	2,090	16,200	12,200	1,970	817	760	5,170	1,910	2,120
23	597	768	1,130	1,980	11,900	26,100	1,770	781	718	5,710	1,570	1,870
24	595	781	1,240	2,230	8,110	33,800	1,610	751	694	5,270	1,280	1,590
25	589	760	1,230	2,630	6,130	35,900	1,500	728	688	5,040	1,110	1,410
26	588	738	1,350	3,870	4,110	32,300	1,410	705	661	3,870	998	1,310
27	586	902	7,320	10,700	3,320	29,300	1,350	689	642	2,140	952	1,230
28	581	1,030	10,300	12,600	2,940	25,000	1,280	667	615	1,490	913	1,180
29	581	1,010	8,310	9,830	3,110	14,400	1,240	653	596	1,220	2,370	1,180
30	575	985	6,900	7,520	---	7,160	1,200	636	582	1,100	15,100	3,770
31	572	---	5,390	5,380	---	4,980	---	624	---	1,030	24,100	---
Total	20,384	20,647	60,199	129,010	216,510	342,950	106,330	32,355	27,745	64,778	83,272	181,540
Mean	658	688	1,942	4,162	7,466	11,060	3,544	1,044	925	2,090	2,686	6,051
Max	865	1,030	10,300	12,600	24,200	35,900	12,700	1,660	1,900	5,710	24,100	30,000
Min	572	553	691	1,010	1,930	2,130	1,200	624	582	539	778	1,180
Med	630	600	804	2,930	5,690	7,160	2,490	1,090	835	1,380	1,280	2,090
Cfsm	0.26	0.27	0.76	1.64	2.94	4.35	1.39	0.41	0.36	0.82	1.06	2.38
In.	0.30	0.30	0.88	1.89	3.17	5.02	1.56	0.47	0.41	0.95	1.22	2.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2012, BY WATER YEAR (WY)

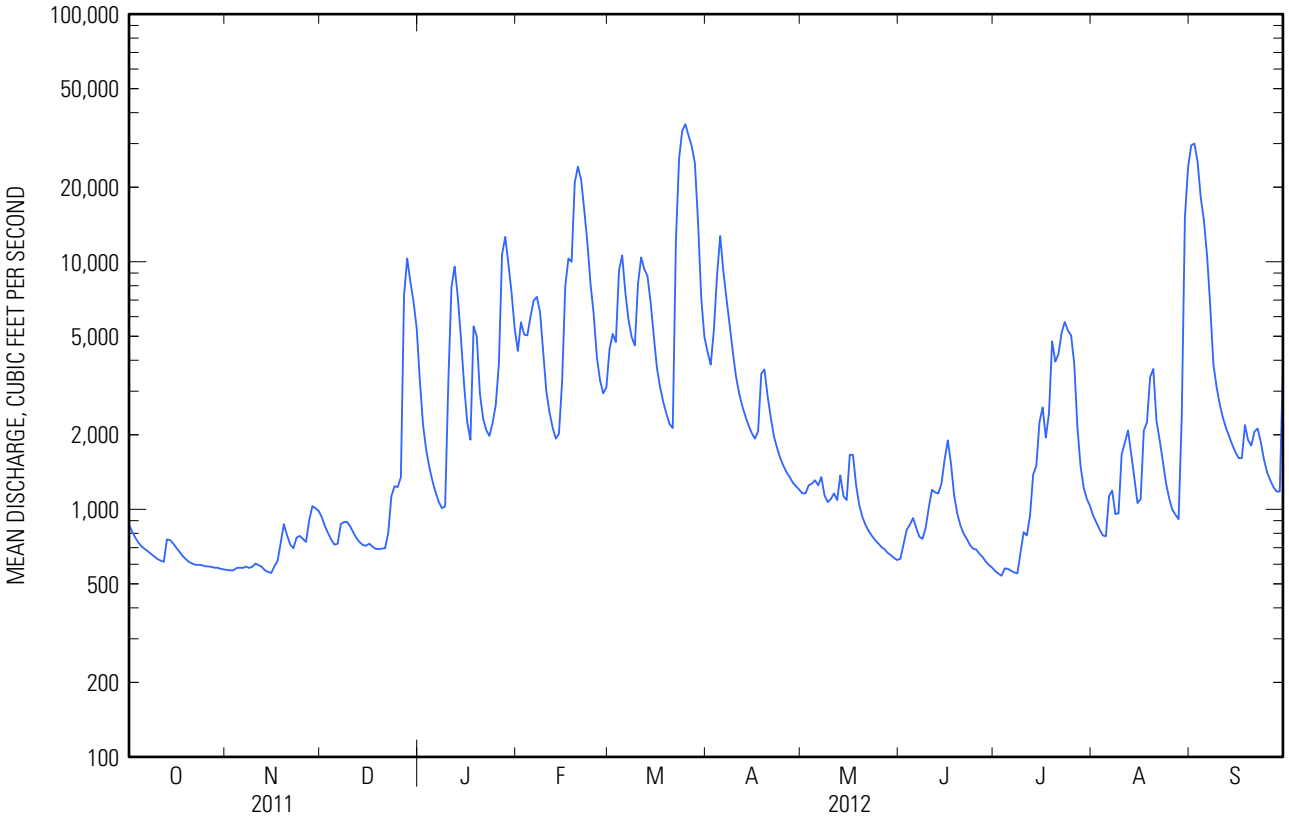
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,304	1,914	3,566	5,550	7,250	6,979	4,743	3,366	2,146	2,069	1,393	1,860
Max	5,047	6,466	11,390	16,280	21,510	14,800	11,220	18,250	6,190	6,709	2,686	6,051
(WY)	(2003)	(1994)	(2010)	(1998)	(1990)	(2001)	(2005)	(1991)	(1997)	(1993)	(2012)	(2012)
Min	400	582	946	1,782	974	1,327	1,560	695	526	439	442	413
(WY)	(2001)	(2008)	(2008)	(2011)	(2000)	(2007)	(2006)	(2000)	(2000)	(2000)	(2000)	(2000)

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS—Continued

SUMMARY STATISTICS

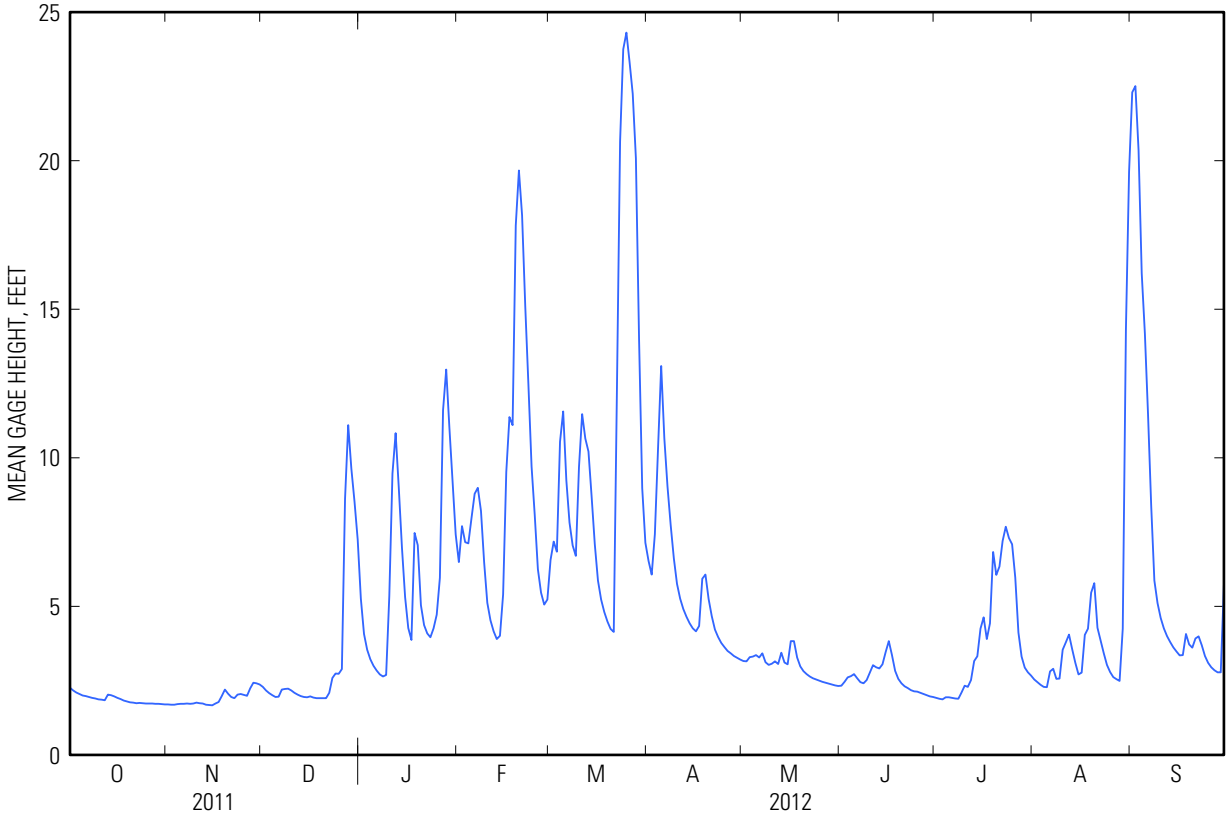
	Calendar Year 2011		Water Year 2012		Water Years 1990 - 2012	
Annual total	829,647		1,285,720			
Annual mean	2,273		3,513		3,493	
Highest annual mean					6,332	1990
Lowest annual mean					1,195	2000
Highest daily mean	38,800	Mar 13	35,900	Mar 25	74,000	Feb 20, 1990
Lowest daily mean	427	Sep 1	539	Jul 3	360	Aug 23, 2000
Annual seven-day minimum	463	Aug 27	559	Jul 2	366	Aug 20, 2000
Maximum peak flow			36,500	Mar 25	74,700	May 15, 1990
Maximum peak stage			24.45	Mar 25	30.71	May 15, 1990
Instantaneous low flow			532	Jul 3[a]	353	Oct 19, 2000
Annual runoff (cfsm)	0.894		1.38		1.37	
Annual runoff (inches)	12.14		18.82		18.67	
10 percent exceeds	4,700		8,440		8,310	
50 percent exceeds	976		1,320		1,700	
90 percent exceeds	580		604		718	

[a] Also July 4.



02474560 LEAF RIVER NEAR NEW AUGUSTA, MS—Continued

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	2.26	1.70	2.29	5.26	6.49	6.56	6.53	3.16	2.33	1.92	2.54	22.30
2	2.17	1.69	2.17	4.07	7.70	7.18	6.07	3.15	2.46	1.89	2.45	22.51
3	2.10	1.69	2.08	3.54	7.16	6.84	7.43	3.29	2.61	1.87	2.36	20.35
4	2.05	1.71	2.01	3.22	7.12	10.54	10.30	3.31	2.65	1.94	2.29	16.21
5	2.00	1.72	1.95	3.00	7.97	11.56	13.09	3.36	2.72	1.94	2.28	14.18
6	1.98	1.72	1.96	2.84	8.79	9.24	10.65	3.28	2.58	1.92	2.81	11.45
7	1.95	1.73	2.20	2.71	8.99	7.82	9.03	3.42	2.45	1.90	2.90	8.38
8	1.92	1.72	2.22	2.64	8.21	7.05	7.74	3.12	2.41	1.89	2.56	5.87
9	1.90	1.73	2.23	2.69	6.48	6.70	6.62	3.03	2.52	2.10	2.57	5.11
10	1.87	1.76	2.17	5.35	5.12	9.69	5.76	3.07	2.77	2.33	3.54	4.61
11	1.86	1.74	2.09	9.47	4.53	11.47	5.26	3.15	3.02	2.29	3.79	4.26
12	1.84	1.73	2.03	10.83	4.16	10.65	4.91	3.06	2.95	2.52	4.05	4.00
13	2.03	1.69	1.98	8.99	3.90	10.21	4.65	3.44	2.91	3.16	3.56	3.80
14	2.01	1.68	1.95	6.98	4.01	8.69	4.43	3.11	3.05	3.32	3.10	3.62
15	1.97	1.67	1.94	5.31	5.40	7.09	4.26	3.05	3.46	4.25	2.71	3.48
16	1.92	1.73	1.97	4.27	9.52	5.87	4.16	3.83	3.83	4.63	2.77	3.35
17	1.88	1.78	1.93	3.87	11.37	5.23	4.34	3.83	3.36	3.90	4.04	3.36
18	1.83	1.98	1.91	7.47	11.10	4.81	5.93	3.28	2.83	4.43	4.25	4.07
19	1.80	2.20	1.91	7.06	17.82	4.49	6.07	2.98	2.56	6.83	5.46	3.72
20	1.77	2.06	1.91	5.04	19.67	4.24	5.25	2.82	2.41	6.06	5.78	3.61
21	1.76	1.95	1.91	4.37	18.16	4.14	4.67	2.72	2.31	6.34	4.28	3.92
22	1.74	1.91	2.09	4.09	15.11	12.28	4.22	2.64	2.25	7.20	3.85	3.99
23	1.75	2.03	2.59	3.96	12.47	20.64	3.97	2.58	2.18	7.68	3.42	3.69
24	1.74	2.05	2.74	4.26	9.71	23.75	3.77	2.54	2.14	7.30	3.03	3.33
25	1.73	2.02	2.73	4.72	8.08	24.31	3.63	2.50	2.13	7.09	2.79	3.10
26	1.73	1.99	2.89	5.96	6.25	23.32	3.50	2.46	2.09	5.97	2.62	2.95
27	1.73	2.24	8.62	11.60	5.46	22.25	3.42	2.43	2.05	4.12	2.55	2.85
28	1.72	2.43	11.10	12.97	5.06	20.08	3.33	2.40	2.01	3.31	2.49	2.78
29	1.72	2.41	9.63	11.03	5.23	14.00	3.27	2.37	1.97	2.94	4.25	2.78
30	1.71	2.37	8.52	9.23	---	8.98	3.21	2.34	1.95	2.78	14.31	5.72
31	1.70	---	7.25	7.42	---	7.14	---	2.32	---	2.67	19.63	---
Mean	1.88	1.89	3.26	5.94	8.66	10.87	5.65	2.97	2.57	3.82	4.16	6.78
Max	2.26	2.43	11.10	12.97	19.67	24.31	13.09	3.83	3.83	7.68	19.63	22.51
Min	1.70	1.67	1.91	2.64	3.90	4.14	3.21	2.32	1.95	1.87	2.28	2.78

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS—Continued