Water-Data Report 2013

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

Pascagoula Basin
Escatawpa Subbasin

LOCATION.--Lat 30°48′42″, long 88°27′31″ referenced to North American Datum of 1927, George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on County Road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, MS, 4.8 mi downstream of old gage at Escatawpa River near Wilmer, AL, and 6.7 mi west of Wilmer.

DRAINAGE AREA.--562 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.-- WDR AL-84-1: Drainage area. WDR AL-98-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 46.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of approximately 72 ft above sea level, as determined from historical data. Peak discharge of this flood is unknown but probably has not been exceeded since 1929.

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)
Feb 26	2300	8,100	16.24
May 3	0200	*11,200	*17.45

Minimum discharge, 156 ft^3/s, July 3, gage height, 2.59 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 02479560, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02479560.2013.pdf

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS—Continued

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	1,580	231	273	2,350	1,610	5,280	466	1,590	247	180	417	266
2	2,370	228	259	1,880	1,670	3,900	675	9,400	262	165	570	302
3	2,020	228	247	1,720	1,770	2,550	923	10,100	394	168	414	300
4	1,690	226	241	1,690	1,740	1,790	1,220	7,370	595	356	318	337
5	1,440	227	256	1,520	1,400	1,430	1,060	5,570	406	398	270	355
6	1,190	254	286	1,330	1,060	1,180	874	4,050	504	482	342	459
7	922	261	272	1,180	1,350	1,000	686	2,910	880	788	416	371
8	683	246	260	1,020	1,910	885	551	2,200	637	1,320	356	298
9	524	236	252	862	1,620	800	465	1,690	466	952	402	251
10	453	230	255	728	1,400	739	404	1,390	462	616	526	225
11	417	228	310	655	1,350	720	408	1,440	548	822	539	227
12	390	236	300	612	1,940	1,030	1,680	1,410	484	831	629	238
13	367	324	289	622	2,730	1,210	1,760	1,200	401	584	653	210
14	350	308	281	922	2,990	1,060	1,830	998	331	691	926	194
15	342	282	264	1,510	3,430	897	3,470	848	276	473	1,440	186
16	334	264	259	1,990	3,820	745	3,610	722	241	434	1,230	180
17	319	253	282	2,350	2,800	634	3,290	624	218	392	793	174
18	310	244	394	2,740	1,670	585	2,930	555	207	326	1,260	167
19	303	235	463	2,850	1,430	552	2,660	505	293	279	2,400	167
20	297	229	523	2,220	1,530	563	4,050	473	285	264	2,240	164
21	286	226	534	1,580	1,340	593	3,750	439	232	298	1,650	218
22	276	222	501	1,220	1,350	586	2,240	417	207	593	1,390	398
23	266	219	483	938	3,170	571	1,540	391	203	896	1,170	372
24	262	215	484	739	5,330	549	1,280	361	448	609	814	357
25	257	211	536	597	5,160	488	1,250	328	333	524	599	1,870
26	258	211	1,300	511	7,640	439	997	303	252	451	534	1,500
27	254	238	2,080	463	7,770	421	729	284	211	357	431	723
28	248	322	2,400	432	6,410	411	577	269	189	375	364	441
29	242	324	3,190	413	---	394	561	260	175	320	320	324
30	236	295	3,310	469	---	369	632	251	177	275	289	280
31	234	---	2,850	1,050	---	347	---	242	---	338	263	---
Total	19,120	7,453	23,634	39,163	77,390	32,718	46,568	58,590	10,564	15,557	23,965	11,554
Mean	617	248	762	1,263	2,764	1,055	1,552	1,890	352	502	773	385
Max	2,370	324	3,310	2,850	7,770	5,280	4,050	10,100	880	1,320	2,400	1,870
Min	234	211	241	413	1,060	347	404	242	175	165	263	164
Cfsm	1.10	0.44	1.36	2.25	4.92	1.88	2.76	3.36	0.63	0.89	1.38	0.69
In.	1.27	0.49	1.56	2.59	5.12	2.17	3.08	3.88	0.70	1.03	1.59	0.76

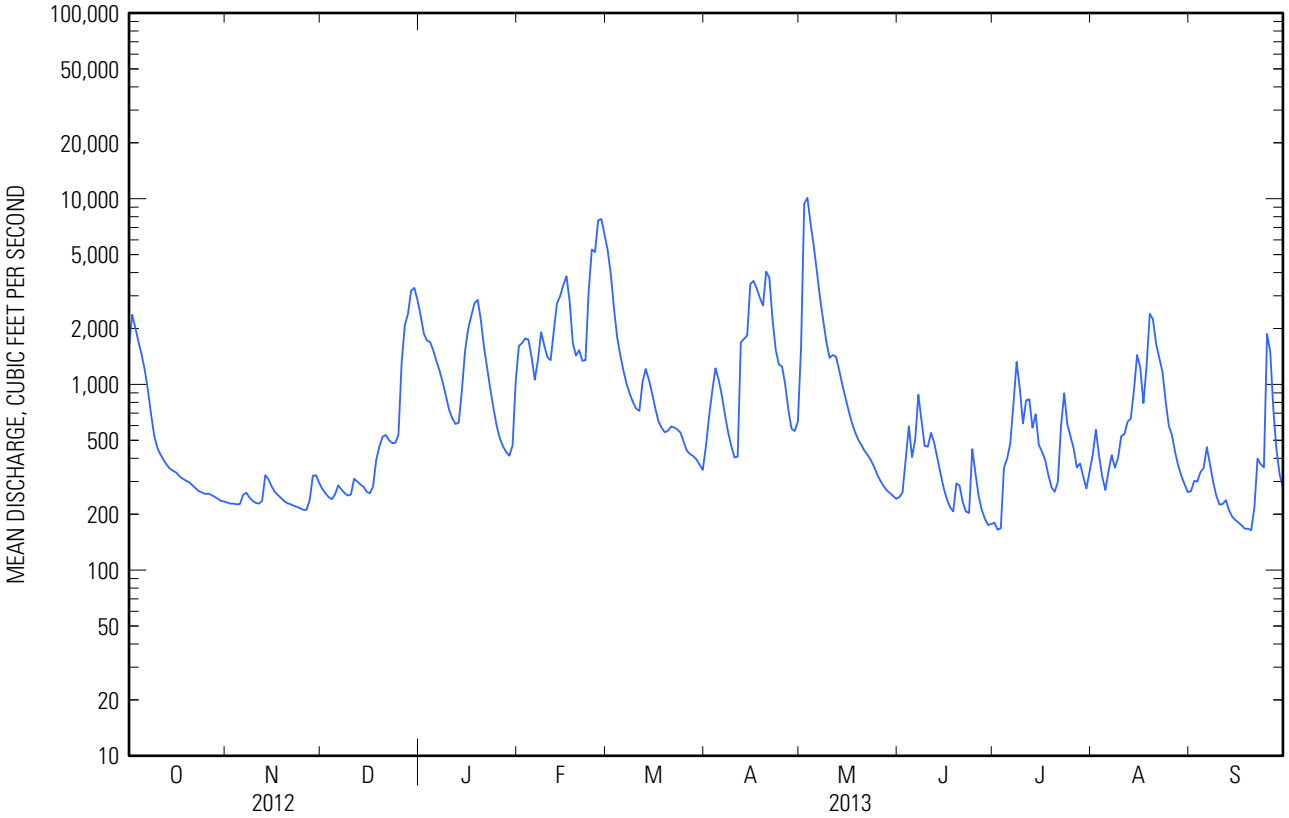
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	545	772	1,172	1,588	1,861	1,916	1,505	1,152	729	717	582	771
Max	3,528	2,587	4,991	4,452	4,280	4,383	5,986	6,818	2,573	3,355	2,675	2,835
(WY)	(1999)	(1980)	(2010)	(1998)	(1990)	(1979)	(1983)	(1991)	(2003)	(2003)	(1975)	(2012)
Min	70.7	152	254	365	308	508	289	105	92.8	79.6	111	110
(WY)	(2001)	(1982)	(2012)	(1981)	(2000)	(2007)	(2006)	(2011)	(2000)	(2000)	(2000)	(2000)

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS—Continued

SUMMARY STATISTICS

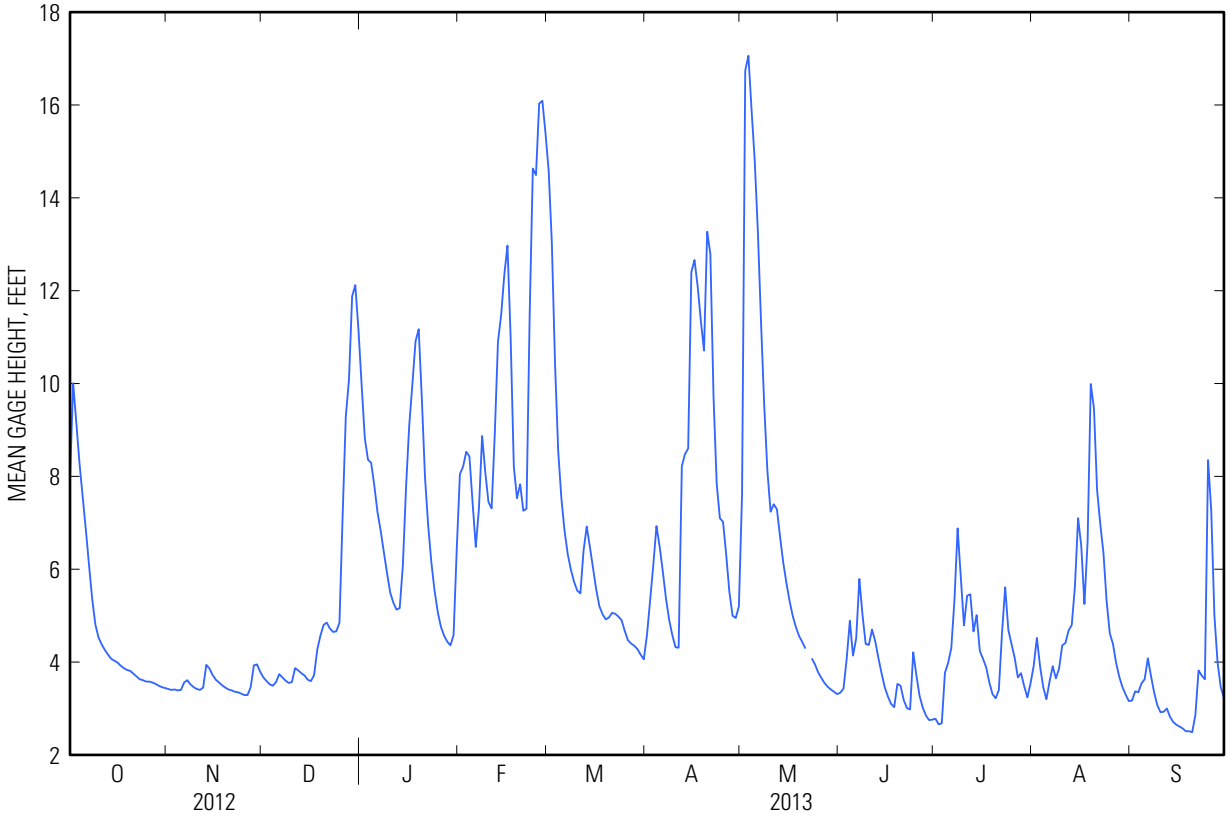
	Calendar Year 2012		Water Year 2013		Water Years 1974 - 2013	
Annual total	438,170		366,276			
Annual mean	1,197		1,003		1,105	
Highest annual mean					1,922	1980
Lowest annual mean					307	2000
Highest daily mean	20,000	Aug 31	10,100	May 3	26,800	Sep 30, 1998
Lowest daily mean	106	Jun 8	164	Sep 20	62	Aug 31, 2000
Annual seven-day minimum	114	Jul 1	176	Sep 14	66	Oct 27, 2000
Maximum peak flow			11,200	May 3	27,900	Mar 28, 2009
Maximum peak stage			17.45	May 3	22.82	Mar 28, 2009
Annual runoff (cfsm)	2.13		1.79		1.97	
Annual runoff (inches)	29.00		24.24		26.73	
10 percent exceeds	2,460		2,350		2,540	
50 percent exceeds	546		484		564	
90 percent exceeds	183		232		165	



02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS—Continued

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	7.94	3.42	3.67	9.96	8.05	14.58	4.58	7.63	3.34	2.78	3.92	3.17
2	10.01	3.40	3.59	8.82	8.21	13.02	5.33	16.74	3.43	2.66	4.52	3.37
3	9.15	3.41	3.52	8.36	8.53	10.43	6.09	17.06	4.07	2.68	3.91	3.35
4	8.28	3.39	3.49	8.29	8.43	8.55	6.93	15.89	4.89	3.77	3.46	3.54
5	7.56	3.40	3.57	7.80	7.43	7.53	6.49	14.80	4.14	3.98	3.20	3.63
6	6.85	3.56	3.74	7.23	6.48	6.83	5.95	13.25	4.51	4.30	3.58	4.08
7	6.09	3.61	3.67	6.83	7.31	6.33	5.37	11.29	5.79	5.34	3.91	3.70
8	5.36	3.52	3.60	6.37	8.87	5.99	4.91	9.51	5.01	6.88	3.65	3.34
9	4.81	3.46	3.55	5.92	8.09	5.73	4.58	8.11	4.39	5.83	3.86	3.07
10	4.53	3.42	3.57	5.50	7.45	5.54	4.32	7.24	4.37	4.79	4.36	2.92
11	4.38	3.40	3.87	5.28	7.31	5.48	4.31	7.40	4.70	5.43	4.41	2.93
12	4.26	3.45	3.82	5.13	8.92	6.40	8.22	7.29	4.45	5.46	4.68	3.00
13	4.16	3.94	3.76	5.16	10.90	6.92	8.48	6.69	4.09	4.66	4.80	2.82
14	4.07	3.86	3.71	6.08	11.47	6.48	8.60	6.14	3.76	5.01	5.63	2.71
15	4.03	3.72	3.62	7.76	12.34	6.02	12.40	5.70	3.46	4.24	7.10	2.65
16	3.99	3.62	3.59	9.09	12.97	5.56	12.66	5.31	3.26	4.07	6.50	2.61
17	3.92	3.56	3.72	9.98	10.99	5.20	12.09	4.99	3.10	3.89	5.25	2.57
18	3.87	3.50	4.27	10.91	8.21	5.03	11.35	4.75	3.03	3.56	6.60	2.51
19	3.83	3.45	4.57	11.17	7.53	4.92	10.71	4.56	3.53	3.31	9.99	2.51
20	3.81	3.41	4.80	9.65	7.83	4.96	13.27	4.43	3.49	3.22	9.47	2.49
21	3.75	3.39	4.85	7.96	7.26	5.06	12.79	4.29	3.18	3.40	7.70	2.86
22	3.69	3.36	4.72	6.93	7.30	5.04	9.71	---	3.01	4.63	6.97	3.82
23	3.63	3.35	4.65	6.14	11.47	4.98	7.84	4.08	2.98	5.61	6.35	3.71
24	3.61	3.32	4.66	5.54	14.63	4.90	7.10	3.95	4.21	4.69	5.31	3.63
25	3.58	3.29	4.85	5.08	14.49	4.67	7.02	3.78	3.71	4.39	4.62	8.35
26	3.58	3.29	7.15	4.76	16.03	4.47	6.31	3.66	3.27	4.09	4.39	7.26
27	3.56	3.46	9.29	4.57	16.09	4.40	5.51	3.55	3.02	3.67	3.98	5.00
28	3.53	3.93	10.08	4.44	15.39	4.35	5.00	3.47	2.85	3.76	3.68	3.99
29	3.49	3.95	11.88	4.36	---	4.28	4.95	3.41	2.75	3.48	3.46	3.46
30	3.46	3.79	12.12	4.58	---	4.16	5.20	3.36	2.76	3.24	3.30	3.23
31	3.44	---	11.15	6.44	---	4.06	---	3.31	---	3.54	3.16	---
Mean	4.85	3.52	5.20	6.97	10.00	6.19	7.60	---	3.75	4.21	5.02	3.54
Max	10.01	3.95	12.12	11.17	16.09	14.58	13.27	---	5.79	6.88	9.99	8.35
Min	3.44	3.29	3.49	4.36	6.48	4.06	4.31	---	2.75	2.66	3.16	2.49

	Calendar Year 2012
Mean	5.63
Max	20.54
Min	2.01

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS—Continued