

Water-Data Report 2013

02492110 EAST PEARL RIVER ABOVE WILSON SLOUGH AT WALKIAH BLUFF, MS

Pearl Basin
Lower Pearl Subbasin

LOCATION.--Lat 30°34'18", long 89°48'22" referenced to North American Datum of 1983, in sec.19, T.5 S., R.18 W., Pearl River County, MS, Hydrologic Unit 03180004, St. Stephens Meridian, located on left bank of East Pearl River, behind house at lot number 76 on Parkside Road at Walkiah Bluff.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2006 to September 2007, stage only. October 2007 to current, low-water records only.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1988. Prior to October 1, 2009, datum of gage was 0.50 feet lower.

REMARKS.--Estimated daily discharges: October 19-25 and July 14-16, 19-22. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, maximum gage height 44.66 ft, Mar. 31, 2009, minimum discharge, 1,290 ft³/s, October 17, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, gage height, 41.38 ft Jan. 13; minimum discharge, 1,810 ft³/s, Sept. 18, gage height, 28.71 ft.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	2,260	3,280	---	---	---	---	---	4,200	3,310	3,360	2,250
2	---	2,190	3,400	---	---	---	---	---	3,980	3,250	3,030	2,200
3	---	2,120	3,320	---	---	---	---	---	3,920	3,090	2,700	2,150
4	---	2,090	3,300	---	---	---	---	---	4,040	3,010	2,550	2,110
5	---	2,140	3,390	---	---	---	---	---	---	3,000	2,390	2,110
6	---	2,130	3,600	---	---	---	---	---	---	2,990	2,270	2,190
7	4,180	2,120	3,850	---	---	---	---	---	---	3,040	2,190	2,150
8	3,710	2,090	3,580	---	---	---	---	---	---	3,400	2,140	2,120
9	3,460	2,090	3,440	---	---	---	---	---	---	3,430	2,120	2,100
10	3,310	2,160	3,590	---	---	---	---	---	---	3,200	2,430	2,030
11	3,170	2,290	3,800	---	---	---	---	---	---	3,080	2,300	1,980
12	2,970	2,420	4,480	---	---	---	---	---	---	3,230	2,210	1,940
13	2,840	2,540	---	---	---	---	---	---	---	3,340	2,200	1,920
14	2,670	2,570	---	---	---	---	---	---	---	e3,300	2,620	1,900
15	2,550	2,580	---	---	---	---	---	---	---	e3,350	---	1,890
16	2,510	2,680	---	---	---	---	---	---	---	e3,310	---	1,890
17	2,550	2,920	---	---	---	---	---	---	---	3,460	---	1,890
18	2,610	2,920	---	---	---	---	---	---	---	3,840	---	1,860
19	e2,680	2,840	---	---	---	---	---	---	---	e3,980	---	1,930
20	e2,480	2,730	---	---	---	---	---	---	---	e3,750	4,490	1,990
21	e2,380	2,600	---	---	---	---	---	---	---	e3,400	3,820	2,150
22	e2,400	2,500	---	---	---	---	---	---	---	e3,180	4,010	2,840
23	e2,650	2,460	---	---	---	---	---	---	---	2,990	4,030	3,940
24	e2,820	2,430	---	---	---	---	---	---	---	3,130	3,400	---
25	e3,150	2,400	---	---	---	---	---	---	4,470	3,260	2,970	---
26	3,450	2,400	---	---	---	---	---	---	4,260	2,900	2,900	---
27	3,280	2,420	---	---	---	---	---	---	4,070	2,660	2,860	---
28	2,920	2,520	---	---	---	---	---	---	3,840	2,550	2,710	---
29	2,660	2,780	---	---	---	---	---	---	3,810	2,860	2,520	---
30	2,480	3,000	---	---	---	---	---	---	3,560	3,360	2,400	---
31	2,340	---	---	---	---	---	---	4,480	---	3,430	2,320	---
Total	---	73,390	---	---	---	---	---	---	---	100,080	---	---
Mean	---	2,446	---	---	---	---	---	---	---	3,228	---	---
Max	---	3,000	---	---	---	---	---	---	---	3,980	---	---
Min	---	2,090	---	---	---	---	---	---	---	2,550	---	---
Med	---	2,430	---	---	---	---	---	---	---	3,250	---	---

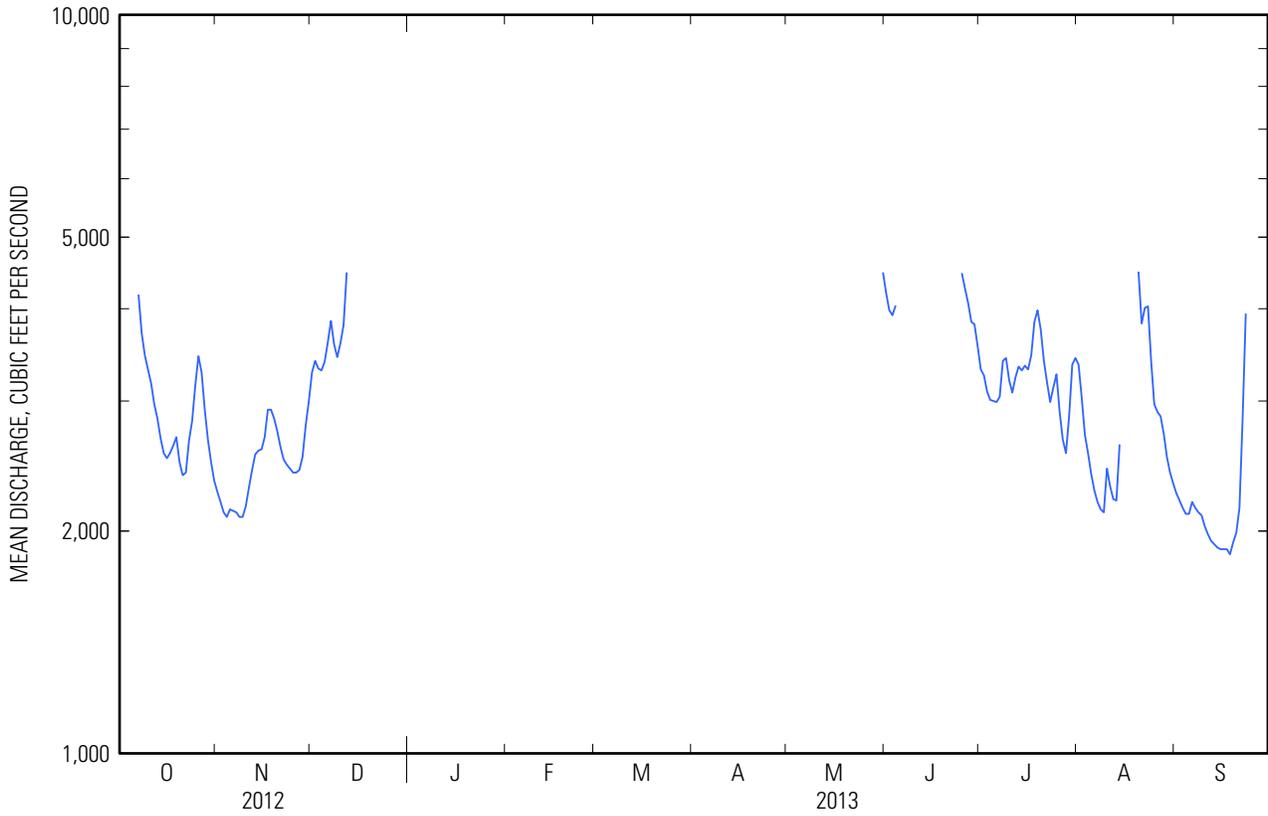
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,904	1,976	---	---	---	---	---	3,064	2,162	2,454	2,049	1,929
Max	2,157	2,446	---	---	---	---	---	3,064	2,639	3,228	2,049	1,929
(WY)	(2009)	(2013)	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2013)	(2011)	(2010)
Min	1,503	1,592	---	---	---	---	---	3,064	1,685	1,728	2,049	1,929
(WY)	(2011)	(2008)	(---)	(---)	(---)	(---)	(---)	(2012)	(2011)	(2008)	(2011)	(2010)

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SUMMARY STATISTICS

Water Years 2008 - 2013		
Lowest daily mean	1,340	Oct 15, 2007
Annual seven-day minimum	1,370	Oct 12, 2007
Maximum peak stage	44.66	Mar 31, 2009
Instantaneous low flow	1,290	Oct 17, 2007



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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	33.49	29.20	30.25	38.46	39.92	40.66	35.95	36.15	31.11	30.28	30.32	29.20
2	33.52	29.13	30.36	39.11	39.77	40.47	36.14	36.03	30.91	30.21	30.00	29.14
3	33.47	29.05	30.28	39.44	39.21	40.34	36.47	36.26	30.85	30.06	29.67	29.09
4	32.94	29.02	30.26	39.59	38.07	40.21	36.85	36.91	30.97	29.98	29.51	29.05
5	32.48	29.08	30.35	39.67	36.95	40.07	37.01	37.16	31.83	29.97	29.35	29.04
6	31.98	29.07	30.55	39.70	36.10	39.92	37.00	37.29	32.68	29.95	29.22	29.13
7	31.38	29.05	30.79	39.69	35.71	39.70	36.92	37.50	32.75	30.01	29.13	29.09
8	30.91	29.02	30.54	39.63	35.40	39.42	36.80	37.74	32.36	30.36	29.07	29.06
9	30.64	29.02	30.40	39.65	35.24	38.89	36.48	37.98	32.13	30.39	29.06	29.03
10	30.46	29.10	30.54	39.73	35.23	37.90	35.85	38.39	32.46	30.16	29.38	28.95
11	30.29	29.24	30.74	39.98	34.92	36.82	35.51	38.91	32.98	30.05	29.24	28.90
12	30.07	29.38	31.37	40.83	35.02	35.76	35.53	39.10	33.44	30.20	29.16	28.86
13	29.90	29.50	31.77	41.27	36.61	35.04	35.50	39.18	33.84	30.30	29.14	28.84
14	29.69	29.54	32.19	40.90	38.49	35.32	35.82	39.25	34.11	---	29.57	28.82
15	29.53	29.54	32.47	40.59	40.17	36.37	36.02	39.30	33.86	---	32.34	28.80
16	29.48	29.64	32.44	40.70	40.80	37.29	36.62	39.34	33.02	---	33.90	28.81
17	29.51	29.89	32.44	41.10	40.65	37.90	37.16	39.40	32.28	30.41	33.81	28.80
18	29.57	29.89	32.88	40.82	40.49	38.33	37.12	39.42	31.82	30.78	32.71	28.77
19	---	29.81	33.66	40.37	40.49	38.52	36.96	39.35	31.61	---	31.99	28.84
20	---	29.70	34.15	40.06	40.45	38.54	36.71	39.02	31.62	---	31.37	28.91
21	---	29.56	34.44	39.92	40.38	38.41	36.32	38.11	31.83	---	30.76	29.08
22	---	29.46	34.56	39.88	40.26	38.21	35.96	36.79	31.56	---	30.93	29.80
23	---	29.42	34.53	39.89	40.28	37.97	35.77	35.26	31.54	29.96	30.95	30.87
24	---	29.39	34.29	39.94	40.19	37.69	35.95	34.14	31.58	30.09	30.36	31.41
25	---	29.36	33.97	39.97	40.46	37.26	36.26	33.78	31.36	30.23	29.94	32.22
26	30.41	29.36	33.73	39.96	40.67	36.59	36.30	33.61	31.16	29.87	29.87	32.44
27	30.24	29.38	33.53	39.92	40.92	35.76	36.16	33.21	31.00	29.63	29.83	32.72
28	29.89	29.48	34.03	39.87	40.92	35.30	36.00	32.55	30.78	29.51	29.67	33.45
29	29.63	29.75	35.17	39.82	---	35.38	35.95	31.99	30.75	29.82	29.48	34.12
30	29.44	29.96	36.43	39.86	---	35.59	35.97	31.64	30.51	30.32	29.36	34.38
31	29.29	---	37.55	39.90	---	35.76	---	31.37	---	30.39	29.28	---
Mean	---	29.40	32.60	40.01	38.71	37.79	36.30	36.65	31.96	---	30.27	29.99
Max	---	29.96	37.55	41.27	40.92	40.66	37.16	39.42	34.11	---	33.90	34.38
Min	---	29.02	30.25	38.46	34.92	35.04	35.50	31.37	30.51	---	29.06	28.77

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