

Water-Data Report 2011

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: February 26 - March 3 and September 29,30. 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, March 31, 2009, minimum discharge, 1,290 ft³/s, October 17, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, gage height, 40.15 ft, March 14; minimum discharge, 1,360 ft³/s, Sept. 1, gage height, 28.21 ft.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,580	1,510	2,460	2,640	---	e4,500	---	---	1,740	1,540	3,430	1,360
2	1,560	1,740	2,490	2,830	---	e4,000	---	---	1,710	1,500	3,420	1,380
3	1,540	1,880	2,890	3,780	---	e3,700	---	---	1,690	1,470	3,450	1,560
4	1,530	1,980	4,240	---	---	3,400	---	---	1,670	1,450	3,300	1,960
5	1,510	2,020	---	---	---	3,790	---	---	1,640	1,460	3,100	3,360
6	1,510	1,950	---	---	---	---	---	---	1,610	1,570	2,860	---
7	1,500	1,850	4,270	---	---	---	---	---	1,590	1,610	2,540	---
8	1,500	1,970	4,020	---	---	---	---	---	1,570	1,660	2,210	---
9	1,520	1,960	3,800	---	---	---	---	---	1,600	1,560	1,950	---
10	1,510	1,860	3,510	---	---	---	---	---	1,720	1,510	1,770	---
11	1,520	1,760	3,180	---	---	---	---	4,490	1,700	1,490	1,640	---
12	1,500	1,700	2,920	---	---	---	---	4,030	1,850	1,460	1,610	---
13	1,500	1,670	2,760	---	---	---	---	3,770	1,870	1,460	1,620	---
14	1,490	1,660	2,670	---	---	---	---	3,520	1,810	1,550	1,610	---
15	1,480	1,710	2,610	---	---	---	---	3,260	1,730	1,610	1,570	---
16	1,470	1,810	2,720	4,300	---	---	---	3,090	1,660	1,800	1,540	---
17	1,460	2,050	2,880	3,900	---	---	4,150	2,910	1,600	1,850	1,500	---
18	1,440	2,330	2,710	3,730	---	---	3,610	2,660	1,550	1,990	1,480	---
19	1,460	2,790	2,500	3,860	4,490	---	3,450	2,450	1,510	2,300	1,480	---
20	1,450	3,170	2,360	4,050	4,330	---	3,600	2,280	1,490	2,310	1,490	---
21	1,450	2,830	2,280	4,060	4,110	---	3,470	2,160	1,490	2,180	1,520	---
22	1,480	2,470	2,330	3,790	3,930	---	3,170	2,090	1,520	1,950	1,970	---
23	1,500	2,200	2,390	3,450	3,780	---	3,120	2,040	1,630	1,900	2,650	---
24	1,510	2,080	2,380	3,260	3,620	---	3,590	2,120	1,760	2,200	2,440	4,290
25	1,510	2,030	2,370	3,190	3,500	---	4,480	2,220	1,930	2,480	2,050	3,800
26	1,500	2,060	2,290	3,270	e3,300	---	---	2,100	1,920	2,910	1,780	3,380
27	1,520	2,250	2,140	3,500	e3,900	---	---	2,100	1,820	3,360	1,640	3,110
28	1,520	2,480	2,100	4,100	---	---	---	2,020	1,830	2,980	1,560	2,950
29	1,530	2,510	2,110	---	---	---	---	1,940	1,730	3,120	1,490	e3,000
30	1,540	2,450	2,200	---	---	---	---	1,850	1,610	3,520	1,450	e2,900
31	1,490	---	2,360	---	---	---	---	1,780	---	3,650	1,400	---
Total	46,580	62,730	---	---	---	---	---	---	50,550	63,400	63,520	---
Mean	1,503	2,091	---	---	---	---	---	---	1,685	2,045	2,049	---
Max	1,580	3,170	---	---	---	---	---	---	1,930	3,650	3,450	---
Min	1,440	1,510	---	---	---	---	---	---	1,490	1,450	1,400	---
Med	1,500	2,000	---	---	---	---	---	---	1,680	1,800	1,640	---

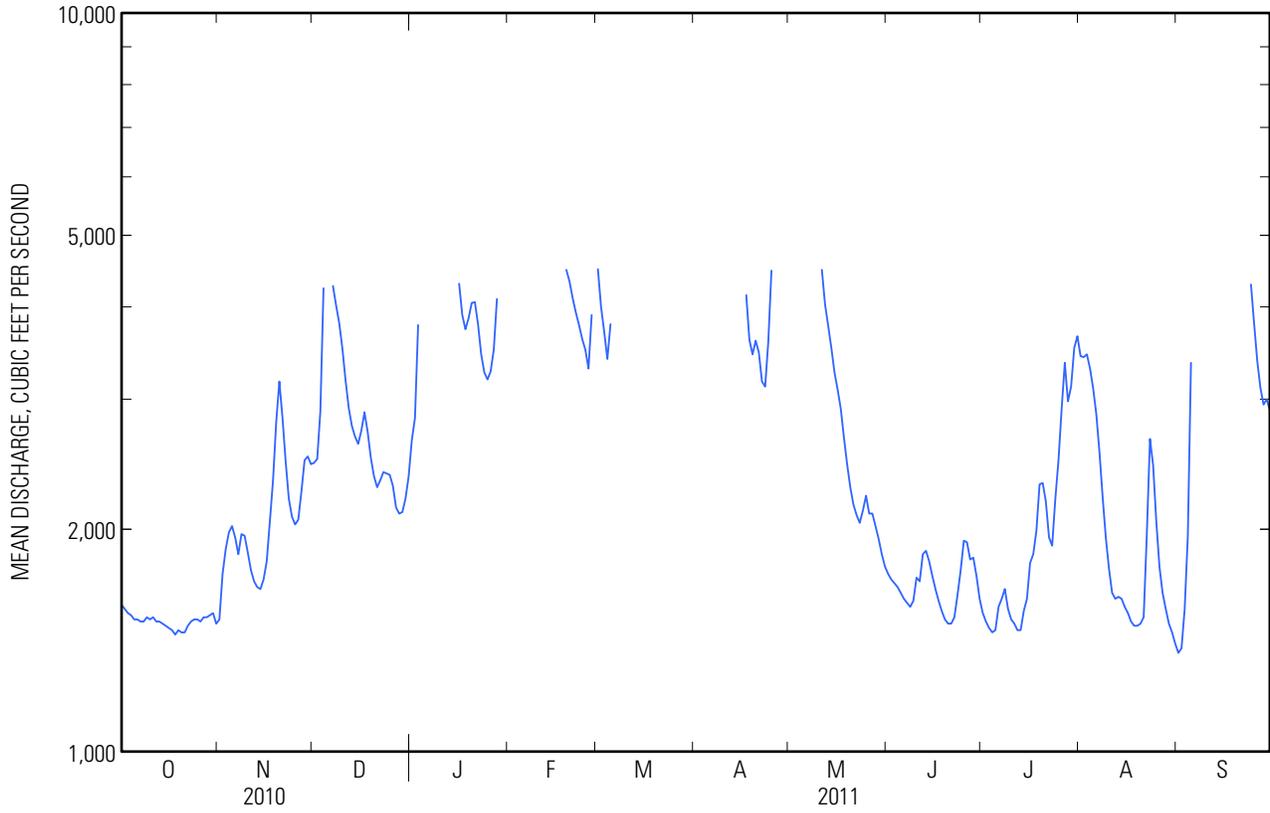
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,845	1,906	---	---	---	---	---	---	1,685	2,106	2,049	1,929
Max	2,157	2,091	---	---	---	---	---	---	1,685	2,561	2,049	1,929
(WY)	(2009)	(2011)	(---)	(---)	(---)	(---)	(---)	(---)	(2011)	(2010)	(2011)	(2010)
Min	1,503	1,592	---	---	---	---	---	---	1,685	1,728	2,049	1,929
(WY)	(2011)	(2008)	(---)	(---)	(---)	(---)	(---)	(---)	(2011)	(2008)	(2011)	(2010)

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

SUMMARY STATISTICS

Water Years 2008 - 2011		
Highest daily mean	4,570	Mar 2, 2009
Lowest daily mean	1,340	Oct 15, 2007
Annual seven-day minimum	1,370	Oct 12, 2007
Maximum peak stage	40.15	Mar 14, 2011
Instantaneous low flow	1,360	Sep 1, 20011



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

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28.55	28.42	29.53	29.72	---	---	32.49	33.89	28.69	28.44	30.56	28.21
2	28.52	28.71	29.56	29.93	---	---	34.00	34.09	28.65	28.39	30.54	28.24
3	28.49	28.87	29.99	30.92	---	---	35.38	34.39	28.62	28.35	30.58	28.46
4	28.48	28.98	31.42	32.31	---	30.52	36.41	34.55	28.60	28.33	30.42	28.95
5	28.45	29.03	31.90	---	---	30.93	36.82	34.43	28.56	28.34	30.21	30.48
6	28.44	28.95	31.74	---	---	---	36.73	33.96	28.53	28.48	29.96	32.31
7	28.43	28.83	31.46	---	---	---	36.41	33.25	28.50	28.53	29.61	33.87
8	28.44	28.97	31.17	---	---	34.58	35.79	32.61	28.47	28.59	29.24	35.30
9	28.45	28.96	30.93	---	---	35.34	34.99	32.12	28.52	28.46	28.94	36.84
10	28.44	28.84	30.63	---	---	36.50	34.19	31.95	28.66	28.40	28.73	37.60
11	28.45	28.72	30.30	---	---	38.02	33.53	31.70	28.64	28.38	28.57	37.98
12	28.44	28.64	30.02	---	---	39.19	33.30	31.19	28.81	28.34	28.53	38.36
13	28.43	28.60	29.85	---	---	39.84	33.15	30.89	28.84	28.34	28.54	38.69
14	28.41	28.59	29.75	---	---	40.09	32.76	30.65	28.78	28.46	28.53	38.89
15	28.40	28.65	29.69	---	32.82	39.91	32.26	30.38	28.67	28.52	28.48	38.99
16	28.39	28.77	29.81	31.50	32.32	39.79	31.84	30.21	28.58	28.75	28.45	39.02
17	28.37	29.05	29.98	31.04	32.01	39.75	31.32	30.01	28.52	28.82	28.39	39.03
18	28.35	29.38	29.80	30.86	31.82	39.70	30.74	29.75	28.45	28.99	28.37	38.99
19	28.37	29.88	29.57	30.99	31.70	39.59	30.58	29.51	28.40	29.34	28.36	38.90
20	28.36	30.28	29.41	31.20	31.52	39.41	30.73	29.33	28.37	29.36	28.37	38.60
21	28.36	29.93	29.32	31.22	31.28	39.19	30.59	29.18	28.37	29.21	28.41	37.45
22	28.39	29.53	29.38	30.92	31.07	38.98	30.29	29.10	28.42	28.94	28.96	35.37
23	28.42	29.22	29.44	30.57	30.91	38.83	30.24	29.04	28.55	28.88	29.73	32.88
24	28.42	29.09	29.42	30.38	30.75	38.69	30.72	29.14	28.71	29.23	29.50	31.48
25	28.42	29.04	29.42	30.31	30.63	38.40	31.69	29.25	28.91	29.55	29.05	30.93
26	28.41	29.07	29.32	30.40	---	37.83	32.65	29.11	28.90	30.01	28.74	30.50
27	28.44	29.28	29.15	30.63	---	36.73	33.32	29.11	28.79	30.48	28.56	30.23
28	28.44	29.54	29.10	31.27	---	35.12	33.80	29.02	28.79	30.08	28.46	30.06
29	28.44	29.58	29.11	---	---	33.47	34.05	28.93	28.67	30.23	28.38	---
30	28.45	29.51	29.23	---	---	32.35	33.99	28.82	28.53	30.65	28.32	---
31	28.40	---	29.42	---	---	31.89	---	28.74	---	30.78	28.26	---
Mean	28.43	29.10	29.96	---	---	---	33.16	30.91	28.62	29.02	29.02	---
Max	28.55	30.28	31.90	---	---	---	36.82	34.55	28.91	30.78	30.58	---
Min	28.35	28.42	29.10	---	---	---	30.24	28.74	28.37	28.33	28.26	---

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

