Water-Data Report 2013

02481661 TRIBUTARY TO BAYOU LASALLE NEAR VIDALIA, MS

Pascagoula Basin
Mississippi Coastal Subbasin

LOCATION.--Lat 30°27′33″, long 89°20′45″ referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ sec.1, T.7 S., R.14 W., Hancock County, MS, Hydrologic Unit 03170009.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water Year 2012.

INSTRUMENTATION.--Water-quality pumping sampler and stage recorder since March, 14, 2012.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[FNU, Formazin nephelometric units; LED, light-emitting diode; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data]

Date	Sample start time	Discharge, instantaneous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Gage height, ft (00065)
11-01-2012	**1030**	0.12	7.1	5.5	38	13.4	4.0	39.73
01-23-2013	**1430**	2.1	9.9	5.9	42	10.2	12	39.98
03-13-2013	**1150**	.62	9.4	5.5	38	11.6	9.0	40.07
04-23-2013	**0945**	.62	7.6	6.1	35	16.9	8.0	40.07
07-09-2013	**0920**	15	5.9	5.0	36	23.3	8.8	40.65
08-27-2013	**1130**	.17	3.9	5.9	42	23.7	6.1	39.84

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[N, nitrogen; mg/L, milligrams per liter; --, no data; <, less than]

Date	Sample start time	Chemical oxygen demand, high level, water, unfiltered, milligrams per liter (00340)	Suspended solids, water, unfiltered, mg/L (00530)	Chloride, water, filtered, mg/L (00940)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, unfiltered, mg/L as N (00610)
11-01-2012	**1030**	32	< 4	5.3	0.46	< .040
01-23-2013	**1430**	16	< 4	9.8	.46	< .040
03-13-2013	**1150**	17	6	7.4	.45	< .040
04-23-2013	**0945**	30	< 4	7.4	.38	< .040
07-09-2013	**0920**	35	6	6.1	.69	< .040
08-27-2013	**1130**	42	8	9.4	.86	.070

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 02481661, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02481661.2013.pdf

02481661 TRIBUTARY TO BAYOU LASALLE NEAR VIDALIA, MS—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; mg/L, milligrams per liter; µg/L, micrograms per liter; --, no data; <, less than]

Date	Sample start time	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, field, mg/L as $CaCO_3$ (00410)	Nitrate plus nitrite, water, unfiltered, mg/L as N (00630)	Phosphorus, water, unfiltered, mg/L as P (00665)	Chloro-phyll a, phyto-plankton, chromato-graphic-fluoro-metric method, µg/L (70953)	Organic carbon, water, unfiltered, mg/L (00680)
11-01-2012	**1030**	< 10	< .020	0.030	0.2	7.0
01-23-2013	**1430**	< 10	< .020	.030	--	7.0
03-13-2013	**1150**	< 10	.070	.040	--	7.0
04-23-2013	**0945**	< 10	.500	.030	.3	9.0
07-09-2013	**0920**	< 10	< .020	.060	1.1	19.0
08-27-2013	**1130**	< 10	< .020	.030	.5	20.0

02481661 TRIBUTARY TO BAYOU LASALLE NEAR VIDALIA, MS—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 1 of 2
[ft, feet; mg/L, milligrams per liter]

Date	Sample start time	Gage height, ft (00065)	Suspended sediment concen-tration, mg/L (80154)
11-01-2012	**1030**	39.73	10
12-28-2012	**1915**	41.32	61
12-28-2012	**2000**	41.34	51
12-28-2012	**2045**	41.30	46
12-28-2012	**2130**	41.31	45
12-28-2012	**2215**	41.42	38
12-28-2012	**2300**	41.59	39
12-28-2012	**2345**	41.75	38
12-29-2012	**0030**	41.84	38
12-29-2012	**0115**	41.97	34
12-29-2012	**0200**	42.05	40
12-29-2012	**0245**	42.10	38
12-29-2012	**0330**	42.15	31
01-23-2013	**1430**	39.98	11
03-13-2013	**1150**	40.07	11
04-03-2013	**1030**	41.23	40
04-03-2013	**1115**	41.50	53
04-03-2013	**1200**	41.84	51
04-03-2013	**1245**	42.15	39
04-03-2013	**1330**	42.40	38
04-03-2013	**1415**	42.54	29
04-03-2013	**1500**	42.61	28
04-03-2013	**1545**	42.67	26
04-03-2013	**1630**	42.72	23
04-03-2013	**1715**	42.71	24
04-03-2013	**1800**	42.68	23
04-03-2013	**1845**	42.62	22
04-23-2013	**0945**	40.07	9
05-02-2013	**0030**	41.05	44
05-02-2013	**0115**	41.10	41
05-02-2013	**0200**	41.16	40
05-02-2013	**0245**	41.20	34
05-02-2013	**0330**	41.24	37
05-02-2013	**0415**	41.30	35
05-02-2013	**0500**	41.37	34
05-02-2013	**0545**	41.45	33
05-02-2013	**0630**	41.55	29
05-02-2013	**0715**	41.63	30
05-02-2013	**0800**	41.67	26
07-09-2013	**0920**	40.65	14

02481661 TRIBUTARY TO BAYOU LASALLE NEAR VIDALIA, MS—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 2

[ft, feet; mg/L, milligrams per liter]

Date	Sample start time	Gage height, ft (00065)	Suspended sediment concen-tration, mg/L (80154)
07-19-2013	**1445**	41.51	78
07-19-2013	**1530**	42.22	50
07-19-2013	**1615**	42.38	29
07-19-2013	**1700**	42.94	39
07-19-2013	**1745**	43.39	41
07-19-2013	**1830**	43.61	31
07-19-2013	**1915**	43.77	32
07-19-2013	**2000**	43.70	23
07-19-2013	**2045**	43.55	19
07-19-2013	**2130**	43.39	17
07-19-2013	**2215**	43.22	18
07-19-2013	**2300**	43.07	17
08-27-2013	**1130**	39.84	7
09-24-2013	**1730**	41.20	42
09-24-2013	**1815**	41.51	41
09-24-2013	**1900**	41.58	32
09-24-2013	**1945**	41.82	34
09-24-2013	**2030**	42.13	36
09-24-2013	**2115**	42.30	30
09-24-2013	**2200**	42.37	30
09-24-2013	**2245**	42.36	27
09-24-2013	**2330**	42.30	23
09-25-2013	**0015**	42.22	22
09-25-2013	**0100**	42.17	21
09-25-2013	**0145**	42.14	24