Water-Data Report 2013

07288621 BIG SUNFLOWER RIVER AT INDIANOLA, MS

Yazoo Basin
Big Sunflower Subbasin

LOCATION.--Lat 33°25′06″, long 90°38′01″ referenced to North American Datum of 1983, in SW ¼ SE ¼ sec.8, T.18 N., R.4 W., Sunflower County, MS, Hydrologic Unit 08030207.

WATER-QUALITY RECORDS

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]

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)	Suspended sediment concentration, mg/L (80154)
10-04-2012	1330	6,440	3.7	6.3	156	18.5	78	17.70	113
10-31-2012	1300	58	10.0	8.0	258	14.8	82	2.06	82
12-06-2012	1230	908	6.2	7.0	195	15.5	430	6.12	653
01-08-2013	1345	1,830	11.4	7.0	132	6.0	160	7.40	238
02-14-2013	1345	4,760	9.1	7.1	90	10.5	410	14.72	658
03-06-2013	1245	976	10.7	7.5	107	9.4	280	5.00	335
04-02-2013	1345	5,580	8.0	7.3	98	15.3	410	14.69	575
04-30-2013	0900	1,170	6.3	7.1	122	20.3	420	6.79	561

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; <, less than]

Date	Sample start time	Chemical oxygen demand, high level, water, unfiltered, milligrams per liter (00340)	Suspended solids, water, unfiltered, mg/L (00530)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, field, mg/L as $CaCO_3$ (00410)	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)	Nitrate plus nitrite, water, unfiltered, mg/L as N (00630)	Phosphorus, water, unfiltered, mg/L as P (00665)	Organic carbon, water, unfiltered, mg/L (00680)
10-04-2012	1330	24	88	41	13.7	0.77	0.060	1.46	0.320	11.0
10-31-2012	1300	37	78	80	19.0	.83	< .040	.780	.240	16.0
12-06-2012	1230	22	484	41	77.1	.99	.170	3.55	.420	11.0
01-08-2013	1345	26	107	41	12.8	1.6	.160	1.16	.510	14.0
02-14-2013	1345	11	560	32	7.8	2.0	.140	.360	.730	7.0
03-06-2013	1245	15	108	< 10	7.5	1.7	.110	.480	.550	6.0
04-02-2013	1345	13	478	20	4.1	1.8	.230	1.18	.580	8.0
04-30-2013	0900	10	492	42	12.4	2.4	.180	1.12	.910	8.0

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 07288621, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07288621.2013.pdf