Water-Data Report 2013

08075120 Brays Bayou at Lidstone Avenue, Houston, TX

San Jacinto Basin
Buffalo-San Jacinto Subbasin

LOCATION.--Lat 29°42′43″, long 95°19′21″ referenced to North American Datum of 1927, Harris County, TX, Hydrologic Unit 12040104, on Lidstone Ave. bridge over Brays Bayou, 6.6 mi downstream from station 08075000 Brays Bayou at Houston, TX, 4.6 mi upstream from Buffalo Bayou.

DRAINAGE AREA.--136 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Oct. 1997 to current year.
BIOLOGICAL DATA: Oct. 1997 to current year.

REMARKS.--Water-quality samples are collected for selected storms. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; >, greater than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Discharge, instanta-neous, ft^3/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)
12-10-2012	**1325**	Surface water	Regular	--	--	E 129	5.1	--	7.7
02-05-2013	**1030**	Surface water	Regular	--	--	E 103	4.2	--	7.4
04-25-2013	**1250**	Surface water	Regular	--	--	E 92	10.0	--	8.6
05-10-2013	**1806**	Surface water	Regular	761	22.6	4,830	7.7	87	7.5
06-05-2013	**0940**	Surface water	Regular	--	--	E 93	9.3	--	8.9
08-29-2013	**1230**	Surface water	Regular	--	--	E 135	6.1	--	7.8

08075120 Brays Bayou at Lidstone Avenue, Houston, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 2 of 3
[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; >, greater than; E, estimated]

Date	Sample start time	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, mono-chrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Carbonaceous biochemical oxygen demand, water, unfiltered, 5 days at 20 degrees Celsius, milligrams per liter (80082)	Suspended solids, water, unfiltered, mg/L (00530)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Esche-richia coli, Defined Substrate Tech-nology, water, MPN/100 mL (50468)	Cadmium, water, filtered, µg/L (01025)
12-10-2012	**1325**	1,010	19.5	13	7.0	16	1.7	> 2,400	0.049
02-05-2013	**1030**	795	20.2	21	4.0	12	2.4	> 2,400	.036
04-25-2013	**1250**	822	22.8	11	< 2.0	1.2	1.7	730	.028
05-10-2013	**1806**	135	21.6	60	3.0	100	1.5	> 2,400	.025
06-05-2013	**0940**	708	31.0	14	2.0	12	1.8	> 400	.037
08-29-2013	**1230**	624	29.4	13	2.0	16	1.3	650	.024

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 3
[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; >, greater than; E, estimated]

Date	Sample start time	Chromium, water, filtered, µg/L (01030)	Copper, water, filtered, µg/L (01040)	Lead, water, filtered, µg/L (01049)	Mercury, water, filtered, µg/L (71890)	Nickel, water, filtered, µg/L (01065)	Silver, water, filtered, µg/L (01075)	Zinc, water, filtered, µg/L (01090)
12-10-2012	**1325**	0.81	3.7	0.539	< .005	6.4	< .005	68.3
02-05-2013	**1030**	.36	3.8	.249	< .005	2.9	< .005	23.6
04-25-2013	**1250**	.18	2.8	.130	< .005	3.6	< .005	16.0
05-10-2013	**1806**	.69	3.7	.335	< .005	1.0	.012	8.7
06-05-2013	**0940**	.41	3.3	.122	< .005	3.4	< .005	11.1
08-29-2013	**1230**	.33	2.3	.115	< .005	2.1	< .005	10.5