



Water-Data Report 2011

08075110 Brays Bayou at Martin Luther King, Jr Boulevard, Houston, TX

San Jacinto Basin
Buffalo-San Jacinto Subbasin

LOCATION.--Lat 29°42'51", long 95°20'20" referenced to North American Datum of 1983, Harris County, TX, Hydrologic Unit 12040104, at Martin Luther King Jr. bridge over Brays Bayou, 5.4 mi. downstream from station 08075000 Brays Bayou at Houston, TX, 5.8 mi upstream from Buffalo Bayou.

DRAINAGE AREA.--135 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Sept. 2006 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988, 2001 adjustment. Satellite telemeter at station.

REMARKS.--Records fair. Only peak discharges above 7,500 ft³/s published.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,000 ft³/s, Sept. 13, 2008 (Hurricane Ike), gage height, 30.06 ft.; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 29	1830	*15,100	*18.75

08075110 Brays Bayou at Martin Luther King, Jr Boulevard, Houston, TX—Continued**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 storm events. 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 2010 TO SEPTEMBER 2011**

Part 1 of 2

[FNU, Formazin nephelometric units; LED, light-emitting diode; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; col/100 mL, colonies per 100 milliliters; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; E, estimated; 9, Regular]

Date	Sample start time	Medium name	Sample type code	Discharge, instantane-		pH, water,	Specific conduc-	Turbidity, water,
				ous, ft ³ /s (00061)	oxygen, water, unfiltered, mg/L (00300)			
12-29-2010	2042	Surface water	9	E 11,800	--	--	--	--
08-24-2011	1058	Surface water	9	E 140	4.7	7.5	798	29.7

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 2

[FNU, Formazin nephelometric units; LED, light-emitting diode; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; col/100 mL, colonies per 100 milliliters; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; E, estimated; 9, Regular]

Date	Sample start time	Biochemic al oxygen demand, water, unfiltered, 5 days at 20 °C, mg/L (00310)		Esche-richia coli, Defined Substrate	Fecal coliform, M-FC MF	Total coliform, Defined Substrate	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
		MPN/100 mL (50468)	col/100 mL (31616)	Tech-nology, water, method, water, (0.45 micron)	Tech-nology, water, (50569)	MPN/100 mL (50569)	mg/L (80154)	day (80155)
12-29-2010	2042	--	46,000	E 71,000	610,000	--	--	--
08-24-2011	1058	6.7	5,600	3,500	73,000	22	E 8.3	