

08075500 Sims Bayou at Houston, TX

San Jacinto Basin
Buffalo-San Jacinto Subbasin

LOCATION.--Lat 29°40'27", long 95°17'21" referenced to North American Datum of 1927, Harris County, TX, Hydrologic Unit 12040104, on left bank of State Highway 35 in southeast Houston and 7.0 mi upstream from mouth.

DRAINAGE AREA.--63.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1952 to Sept. 1995 (daily mean discharge), Oct. 1995 to current year (peak discharges greater than base discharge).

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Oct. 1968 to Sept. 1998.

BIOCHEMICAL DATA: Oct. 1968 to Sept. 1998.

PESTICIDE DATA: Oct. 1968 to Sept. 1998.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Oct. 1993 to Sept. 1997.

pH: Oct. 1993 to Sept. 1997.

WATER TEMPERATURE: Oct. 1993 to Sept. 1997.

DISSOLVED OXYGEN: Oct. 1993 to Sept. 1997.

REVISED RECORDS.--WSP 1922: 1960. 1975(M). WDR TX-77-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.09 ft below NGVD of 1929, 1973 adjustment; unadjusted for land-surface subsidence. Satellite telemeter at station.

REMARKS.--Records fair. Major channel rectification completed late in the 1997 water year. No known regulation or diversions. Low flow is largely sustained by wastewater effluent from municipal and industrial uses. Stage-discharge relation is tidally affected at low flow. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--43 years (water years 1953-95), 96.5 ft³/s (69,900 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,800 ft³/s, June 9, 2001, Tropical Storm Allison (gage height, 27.91 ft); Maximum gage height, 33.23 ft, Aug. 18, 1983, Hurricane Alicia; minimum daily, 0.9 ft³/s, Aug. 7, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and (or) maximum (*):

| Date | Time | Discharge (ft ³ /s) | Gage height (ft) |
|--------|------|-----------------------------------|---------------------|
| Apr 27 | 2100 | *12,100 | *18.76 |
| May 10 | 1245 | 3,830 | 10.88 |