

Water-Data Report 2011

**08075770 Hunting Bayou at Interstate Highway 610, Houston, TX**

San Jacinto Basin  
Buffalo-San Jacinto Subbasin

LOCATION.--Lat 29°47'35", long 95°16'04" referenced to North American Datum of 1927, Harris County, TX, Hydrologic Unit 12040104, on left bank at downstream side of downstream service road bridge of Interstate Highway 610 in northeast Houston, and 8.8 mi upstream from mouth.

DRAINAGE AREA.--16.1 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Apr. 1964 to current year. Prior to Oct. 1973, published as "at U.S. Highway 90-A, Houston".

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.

REVISED RECORDS.--WRD TX-74-2: Drainage area, WDR TX-78-2: Drainage area, WDR TX-79-2: Drainage area, WDR TX-87-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NAVD 1988, 2001 adjustment. Prior to Oct. 1, 2009, the datum of gage NGVD of 1929, 1959 adjustment; unadjusted for land-surface subsidence (4.38 ft above current datum). Prior to Oct. 1, 1972, water-stage recorder at site 1,800 ft upstream at same datum (4.38 ft above current datum). Radio telemeter at station. Satellite telemeter at station.

REMARKS.--Records fair including those for estimated daily discharges. No known regulation or diversions. Low flow is largely maintained by wastewater and industrial effluent. The stage-discharge relation is affected by seasonal vegetal growth during most years. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 29	1900	*688	*25.64

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	3.6	2.4	4.5	8.3	15	4.2	4.4	2.4	5.1	4.7	e5.3	6.9
<b>2</b>	3.4	240	4.5	6.6	9.2	4.6	3.6	2.4	3.2	4.0	e4.0	6.5
<b>3</b>	3.3	20	4.2	6.4	7.8	4.6	3.7	2.3	2.8	3.6	3.7	6.4
<b>4</b>	3.4	8.9	4.0	13	9.7	4.4	5.2	2.3	2.9	3.5	3.6	7.2
<b>5</b>	3.5	4.9	3.8	44	8.1	9.0	3.8	2.3	3.0	3.4	3.6	7.3
<b>6</b>	4.1	3.9	3.7	9.6	7.5	5.8	3.4	2.4	10	44	3.6	7.6
<b>7</b>	5.5	3.5	4.0	7.2	7.2	4.6	3.5	2.4	4.7	34	3.6	7.1
<b>8</b>	6.8	3.3	11	6.3	6.2	10	3.5	2.3	3.4	6.4	3.6	5.9
<b>9</b>	7.6	3.2	4.9	60	23	5.2	3.4	2.3	4.2	4.8	3.5	5.9
<b>10</b>	8.3	4.6	4.5	15	11	4.4	3.4	2.4	3.0	4.4	3.4	6.3
<b>11</b>	8.0	12	4.0	9.7	7.4	4.2	3.8	2.4	2.9	4.2	3.2	6.5
<b>12</b>	5.3	9.9	4.8	7.6	6.7	4.2	3.5	6.4	3.0	6.6	3.1	6.9
<b>13</b>	2.1	6.1	5.1	6.6	6.2	4.1	3.4	5.9	3.0	9.4	3.1	7.3
<b>14</b>	2.1	4.5	5.1	6.5	6.2	35	3.3	3.3	3.0	4.8	3.7	7.4
<b>15</b>	2.9	5.9	5.4	6.4	6.4	12	3.8	2.5	3.3	4.5	4.0	6.2
<b>16</b>	2.3	4.6	5.7	80	6.3	5.3	3.4	2.3	4.4	4.8	3.9	5.5
<b>17</b>	2.3	4.4	5.6	53	6.1	4.9	2.9	2.3	4.3	4.7	8.3	23
<b>18</b>	2.3	4.0	5.3	13	6.5	4.5	2.9	2.4	4.4	4.4	4.6	19
<b>19</b>	2.9	3.6	5.3	10	6.0	4.3	2.8	2.4	4.5	15	6.2	64
<b>20</b>	2.3	3.5	5.5	9.6	5.7	4.2	2.8	2.4	4.5	11	4.6	15
<b>21</b>	2.3	3.6	5.7	8.2	5.4	4.0	2.7	2.5	4.2	7.3	4.0	13
<b>22</b>	2.3	3.5	5.5	7.7	5.2	3.8	3.0	2.4	46	6.9	4.5	13
<b>23</b>	2.1	124	5.5	7.2	5.4	3.9	2.5	2.2	43	5.4	6.8	11
<b>24</b>	2.2	16	33	179	5.3	3.8	2.5	2.9	12	4.7	4.8	11
<b>25</b>	2.2	7.3	50	80	5.2	3.8	2.5	4.3	7.2	4.3	5.2	11
<b>26</b>	2.2	15	8.4	19	5.1	3.8	2.5	6.3	6.0	4.2	5.5	10
<b>27</b>	2.8	7.8	7.2	14	5.2	3.7	2.6	4.0	5.3	13	6.3	9.2
<b>28</b>	2.2	5.3	6.5	11	4.5	3.7	2.4	3.3	5.1	e5.0	5.7	11
<b>29</b>	1.9	8.4	240	10	---	3.7	2.4	3.0	4.8	e179	6.0	14
<b>30</b>	2.3	5.1	110	9.2	---	4.0	2.5	2.8	6.6	e50	5.6	9.9
<b>31</b>	2.4	---	14	8.6	---	3.8	---	3.0	---	e11	6.1	---
<b>Total</b>	106.9	549.2	586.7	732.7	209.5	181.5	96.1	92.5	219.8	473.0	143.1	341.0
<b>Mean</b>	3.45	18.3	18.9	23.6	7.48	5.85	3.20	2.98	7.33	15.3	4.62	11.4
<b>Max</b>	8.3	240	240	179	23	35	5.2	6.4	46	179	8.3	64
<b>Min</b>	1.9	2.4	3.7	6.3	4.5	3.7	2.4	2.2	2.8	3.4	3.1	5.5
<b>Ac-ft</b>	212	1,090	1,160	1,450	416	360	191	183	436	938	284	676

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2011, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	27.5	24.2	22.3	28.0	25.8	24.9	23.8	30.7	40.3	23.9	20.0	29.9
<b>Max</b>	154	109	68.0	99.4	107	113	84.7	91.1	264	132	121	194
(WY)	(1995)	(2005)	(1987)	(1991)	(1992)	(1993)	(2009)	(1982)	(2001)	(2010)	(1983)	(1979)
<b>Min</b>	3.45	2.92	4.55	5.05	3.46	3.16	2.88	2.98	2.55	1.95	3.35	5.92
(WY)	(2011)	(1968)	(1989)	(1996)	(1996)	(1965)	(1965)	(2011)	(1967)	(1964)	(1967)	(1982)

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	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>		<b>Water Years 1964 - 2011</b>	
<b>Annual total</b>	9,775.5		3,732.0		
<b>Annual mean</b>	26.8		10.2		27.0
<b>Highest annual mean</b>				56.3	2007
<b>Lowest annual mean</b>				6.97	1965
<b>Highest daily mean</b>	1,330	Jul 2	240	Nov 2	2,950 Jun 9, 2001
<b>Lowest daily mean</b>	1.9	Oct 29	1.9	Oct 29	0.88 Aug 24, 1971
<b>Annual seven-day minimum</b>	2.2	Oct 20	2.2	Oct 20	1.0 Jul 2, 1965
<b>Maximum peak flow</b>			688	Dec 29	4,390 Sep 13, 2008
<b>Maximum peak stage</b>			25.64	Dec 29	<sup>a</sup> 41.97 Jun 9, 2001
<b>Annual runoff (ac-ft)</b>	19,390		7,400		19,530
<b>10 percent exceeds</b>	40		13		44
<b>50 percent exceeds</b>	6.8		4.8		7.5
<b>90 percent exceeds</b>	3.4		2.4		3.5

<sup>a</sup> Datum then in use.

