

Water-Data Report 2011

**07312200 Beaver Creek near Electra, TX**

Red-Lake Texoma Basin  
Southern Beaver Subbasin

LOCATION.--Lat 33°54'21", long 98°54'17" referenced to North American Datum of 1927, Wichita County, TX, Hydrologic Unit 11130207, near left bank at upstream side of bridge on Farm Road 2326, 6.5 mi northwest of Kamay, 8.0 mi upstream from Wichita River, and 9.0 mi south of Electra.

DRAINAGE AREA.--652 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Feb. 1960 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Apr. 1966 to Oct. 1970, June 1996 to Sept. 1997.

BIOCHEMICAL DATA: Apr. 1966 to Oct. 1970.

SEDIMENT DATA: Apr. 1966 to Sept. 1975.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Oct. 1968 to June 1970 (local observer), June 1996 to Sept. 2002.

WATER TEMPERATURE: Oct. 1968 to June 1970 (local observer), June 1996 to Sept. 2002.

GAGE.--Water-stage recorder. Datum of gage is 991.3 ft above NGVD of 1929 (Texas Department of Transportation reference point). Satellite telemeter at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Since installation of gage in Feb. 1960, at least 10% of contributing drainage area has been regulated. There are several diversions above the station. No flow occurs at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

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**07312200 Beaver Creek near Electra, TX—Continued**

**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>	28	9.6	5.1	4.7	4.9	4.4	4.9	8.3	3.7	5.1	2.5	0.81
<b>2</b>	25	9.2	5.2	4.5	e5.3	4.4	4.6	9.9	3.6	5.1	2.5	0.66
<b>3</b>	23	8.6	5.3	4.4	5.0	4.8	4.4	8.8	3.4	5.0	2.3	0.56
<b>4</b>	21	8.2	5.4	4.5	4.8	4.7	4.1	7.6	3.5	4.9	2.3	0.49
<b>5</b>	19	7.8	5.3	4.6	e4.1	4.5	3.7	6.2	5.8	5.5	2.3	0.46
<b>6</b>	18	7.6	5.1	4.5	4.6	4.2	3.2	4.9	6.4	4.8	2.0	0.85
<b>7</b>	17	7.5	5.1	4.5	5.0	4.1	3.6	3.8	6.4	4.3	1.6	0.84
<b>8</b>	19	7.3	5.2	4.4	4.8	4.3	3.6	5.1	6.4	4.1	1.5	0.69
<b>9</b>	19	7.1	5.1	4.4	5.2	4.0	3.9	6.6	6.4	3.3	1.6	0.65
<b>10</b>	17	6.8	5.0	4.6	e5.2	3.8	3.8	7.6	6.1	2.6	1.6	0.87
<b>11</b>	14	6.6	5.0	4.7	e5.1	3.8	3.6	7.5	5.9	2.8	1.6	0.84
<b>12</b>	12	6.7	4.9	4.6	4.6	4.0	2.9	7.8	5.9	4.3	1.7	0.92
<b>13</b>	12	6.9	4.7	4.5	5.3	4.1	4.1	7.6	5.8	4.5	2.2	0.90
<b>14</b>	11	6.6	4.6	4.5	5.5	4.1	7.6	7.2	5.6	4.0	2.3	0.76
<b>15</b>	11	6.5	4.8	4.7	5.9	4.0	7.3	7.1	5.6	3.5	2.9	0.70
<b>16</b>	11	6.7	4.9	4.7	5.9	4.0	7.5	7.1	6.0	3.3	2.0	0.67
<b>17</b>	10	6.7	5.0	4.7	6.3	4.4	7.7	5.6	6.0	3.2	1.5	0.66
<b>18</b>	10	5.6	5.0	4.7	6.2	4.4	8.3	3.7	5.8	3.0	1.4	1.0
<b>19</b>	9.6	4.4	4.8	4.3	6.2	4.1	7.6	3.3	5.6	2.8	1.9	0.82
<b>20</b>	9.3	4.1	4.8	4.6	5.2	3.8	5.7	43	5.4	2.8	2.1	0.70
<b>21</b>	8.9	4.2	4.9	4.6	4.9	3.7	3.7	39	5.5	2.9	2.2	0.63
<b>22</b>	14	5.7	5.1	4.5	4.4	3.0	3.9	11	5.5	2.6	2.0	0.54
<b>23</b>	39	6.3	5.1	4.3	4.4	1.7	4.1	6.9	5.6	2.6	1.6	0.46
<b>24</b>	28	6.1	5.2	4.2	4.2	0.83	13	6.4	5.9	2.3	1.7	0.39
<b>25</b>	13	6.1	5.2	4.5	4.0	1.1	6.0	6.7	5.2	2.1	1.9	0.35
<b>26</b>	11	5.7	5.2	4.6	4.2	3.4	4.2	6.8	5.3	2.3	1.9	0.33
<b>27</b>	11	5.6	4.9	4.6	4.1	3.9	3.3	6.8	5.4	2.6	1.8	0.35
<b>28</b>	11	5.5	4.8	4.5	4.3	4.0	5.2	6.9	5.8	2.4	1.8	0.29
<b>29</b>	11	5.5	4.8	4.7	---	4.5	5.5	6.8	6.0	2.2	1.5	0.21
<b>30</b>	10	5.3	4.9	4.8	---	4.7	6.4	6.5	5.4	2.0	1.1	0.16
<b>31</b>	9.9	---	4.7	4.6	---	5.0	---	4.6	---	2.1	0.95	---
<b>Total</b>	482.7	196.5	155.1	141.0	139.6	119.73	157.4	277.1	164.9	105.0	58.25	18.56
<b>Mean</b>	15.6	6.55	5.00	4.55	4.99	3.86	5.25	8.94	5.50	3.39	1.88	0.62
<b>Max</b>	39	9.6	5.4	4.8	6.3	5.0	13	43	6.4	5.5	2.9	1.0
<b>Min</b>	8.9	4.1	4.6	4.2	4.0	0.83	2.9	3.3	3.4	2.0	0.95	0.16
<b>Ac-ft</b>	957	390	308	280	277	237	312	550	327	208	116	37

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 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>	95.8	39.9	25.7	22.3	45.7	69.7	63.3	117	141	69.1	62.5	90.4
<b>Max</b>	1,108	319	385	185	553	592	760	921	1,435	727	1,324	1,108
(WY)	(1987)	(1973)	(1992)	(1985)	(1993)	(1961)	(1990)	(1987)	(1995)	(1975)	(1995)	(1986)
<b>Min</b>	0.14	0.82	0.71	0.27	0.84	0.65	0.89	2.26	3.37	1.84	0.87	0.57
(WY)	(1964)	(1966)	(1971)	(1966)	(1963)	(1965)	(1982)	(1996)	(1966)	(1964)	(1998)	(2004)

**07312200 Beaver Creek near Electra, TX—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1960 - 2011</b>	
<b>Annual total</b>	34,056.6	2,015.84		
<b>Annual mean</b>	93.3	5.52	70.7	
<b>Highest annual mean</b>			300	1995
<b>Lowest annual mean</b>			5.52	2011
<b>Highest daily mean</b>	2,990	Apr 22	43	May 20
<b>Lowest daily mean</b>	3.1	Jan 11	0.16	Sep 30
<b>Annual seven-day minimum</b>	3.3	Jan 7	0.30	Sep 24
<b>Maximum peak flow</b>			107	May 20
<b>Maximum peak stage</b>			11.17	May 20
<b>Annual runoff (ac-ft)</b>	67,550		4,000	51,210
<b>10 percent exceeds</b>	116		9.2	94
<b>50 percent exceeds</b>	15		4.7	5.4
<b>90 percent exceeds</b>	4.9		1.5	0.78

