



Water-Data Report 2008

**07297910 Prairie Dog Town Fork Red River near Wayside, TX**

Prairie Dog Town Fork Red Basin  
Upper Prairie Dog Town Fork Red Subbasin

LOCATION.--Lat 34°50'15", long 101°24'49" referenced to North American Datum of 1927, Armstrong County, TX, Hydrologic Unit 11120103, on left bank at downstream side of bridge on State Highway 207, 13 mi northeast of Wayside, 26 mi south of Claude, and at mile 1,145.

DRAINAGE AREA.--4,211 mi<sup>2</sup> of which 3,281 mi<sup>2</sup> probably is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Oct. 1967 to current year.

PERIOD OF RECORD, Water-Quality:--

CHEMICAL DATA: Oct. 1967 to Aug. 1995.

BIOCHEMICAL DATA: Oct. 1967 to Aug. 1995.

BIOLOGICAL DATA: Oct. 1974 to Aug. 1995.

PESTICIDE DATA: June 1977

RADIOCHEMICAL DATA: Jan. 1981 to June 1981

SEDIMENT DATA: Oct. 1974 to Aug. 1995

SPECIFIC CONDUCTANCE: Oct. 1968 to Sept. 1981

WATER TEMPERATURE: Oct. 1968 to Sept. 1981

GAGE.--Water-stage recorder. Datum of gage is 2,463.74 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. No known regulation. There are several small diversions upstream from station. Wastewater effluent is released into river above station by the city of Amarillo. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jun 19	1845	*2,610	*8.77

## 07297910 Prairie Dog Town Fork Red River near Wayside, TX—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.3	0.82	0.29	11	16	8.7	9.6	5.3	0.58	43	0.02	2.7
2	6.0	0.95	0.17	11	12	7.5	11	5.0	0.34	50	0.01	2.5
3	5.7	0.45	0.13	9.9	13	7.1	11	2.2	0.44	48	0.03	3.2
4	6.1	0.70	0.22	7.9	11	11	9.8	11	0.37	29	0.03	2.6
5	4.0	1.0	0.25	8.4	9.9	8.0	11	4.0	0.32	39	0.02	2.3
6	4.5	1.0	0.21	9.7	17	8.5	11	3.0	0.32	29	0.02	2.3
7	5.5	1.0	0.15	8.7	11	8.9	11	142	0.30	29	0.02	1.9
8	6.0	0.94	0.40	8.1	12	8.2	9.7	10	0.32	97	41	2.2
9	5.8	1.0	0.42	8.6	12	7.8	28	3.2	0.30	30	18	2.0
10	5.1	0.74	0.40	8.2	11	7.5	9.5	2.5	0.32	21	5.5	1.7
11	24	0.42	90	8.8	11	8.6	6.4	2.4	0.28	40	3.0	2.2
12	6.3	0.43	18	8.6	15	8.1	7.3	2.1	0.31	15	2.9	2.0
13	4.4	0.45	11	10	14	9.2	5.8	1.5	0.30	8.8	40	1.7
14	3.5	0.40	11	8.9	12	11	5.8	1.9	0.44	14	14	1.4
15	3.8	0.63	9.2	7.9	13	12	5.4	2.0	0.40	122	58	1.6
16	3.1	0.59	10	7.9	17	14	5.3	1.6	0.39	9.0	14	0.92
17	30	0.52	11	13	16	12	4.5	2.2	6.4	16	117	0.71
18	6.8	0.53	8.3	12	20	8.5	5.3	2.2	6.6	16	368	0.99
19	4.3	0.57	7.9	10	16	8.3	5.2	1.7	279	5.9	76	0.87
20	2.1	0.35	8.6	11	14	9.2	4.7	1.1	96	2.7	26	0.73
21	1.4	0.73	9.1	9.5	18	8.5	5.5	1.2	73	1.9	8.3	0.94
22	1.1	0.60	e7.0	10	11	9.5	4.8	1.3	76	2.4	4.7	1.0
23	1.1	0.27	7.2	13	8.1	8.6	5.1	1.1	42	1.4	3.7	1.0
24	0.77	0.61	7.0	13	7.6	8.3	5.7	0.95	80	0.03	3.4	0.93
25	0.65	0.64	6.6	11	6.6	e7.1	4.1	0.79	116	0.02	3.0	1.1
26	1.4	0.38	6.5	12	8.1	e8.0	4.0	0.77	163	0.02	3.7	1.0
27	0.83	0.27	8.6	12	7.7	9.4	4.4	0.78	173	0.03	2.6	0.99
28	0.96	0.27	e9.6	12	6.8	e8.0	3.4	0.75	41	0.03	2.7	0.83
29	0.55	0.17	9.4	12	9.1	e11	3.3	0.61	42	33	2.5	0.83
30	0.27	0.24	8.5	15	---	e10	3.4	0.72	45	0.06	5.2	0.67
31	0.42	---	e8.3	12	---	e9.5	---	0.53	---	0.02	3.7	---
Total	151.75	17.67	275.44	321.1	355.9	282.0	221.0	216.40	1,244.73	703.31	827.05	45.81
Mean	4.90	0.59	8.89	10.4	12.3	9.10	7.37	6.98	41.5	22.7	26.7	1.53
Max	30	1.0	90	15	20	14	28	142	279	122	368	3.2
Min	0.27	0.17	0.13	7.9	6.6	7.1	3.3	0.53	0.28	0.02	0.01	0.67
Ac-ft	301	35	546	637	706	559	438	429	2,470	1,400	1,640	91

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	28.5	12.4	7.05	6.87	6.47	10.5	24.1	55.2	57.2	26.7	74.4	24.4
Max	175	147	20.3	24.7	19.0	48.9	448	603	304	207	1,410	110
(WY)	(1999)	(1999)	(1988)	(1988)	(1999)	(1998)	(1997)	(1999)	(1984)	(1996)	(1968)	(1969)
Min	0.00	0.07	0.10	0.30	0.16	0.34	0.17	0.13	0.47	0.00	0.12	0.00
(WY)	(1976)	(1971)	(1971)	(1971)	(1976)	(1971)	(1978)	(1984)	(1998)	(1974)	(2000)	(1975)

**07297910 Prairie Dog Town Fork Red River near Wayside, TX—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1968 - 2008</b>	
<b>Annual total</b>	8,229.24	4,662.16		
<b>Annual mean</b>	22.5	12.7	27.9	
<b>Highest annual mean</b>			137	1968
<b>Lowest annual mean</b>			1.90	1983
<b>Highest daily mean</b>	954	Sep 9	368	Aug 18
<b>Lowest daily mean</b>	0.00	Sep 5	0.01	Aug 2
<b>Annual seven-day minimum</b>	0.07	Aug 27	0.02	Jul 31
<b>Maximum peak flow</b>			2,610	Jun 19
<b>Maximum peak stage</b>			8.77	Jun 19
<b>Annual runoff (ac-ft)</b>	16,320	9,250	20,250	
<b>10 percent exceeds</b>	45	22	25	
<b>50 percent exceeds</b>	9.3	5.7	3.2	
<b>90 percent exceeds</b>	0.40	0.33	0.10	

