

Water-Data Report 2011

08066170 Kickapoo Creek near Onalaska, TX

Lower Trinity Basin
Lower Trinity-Kickapoo Subbasin

LOCATION.--Lat 30°54'25", long 95°05'18" referenced to North American Datum of 1927, Polk County, TX, Hydrologic Unit 12030202, on right bank 114 ft upstream from old bridge site, 1.2 mi downstream from Magnolia Creek, 6.2 mi upstream from Rocky Creek, 7.3 mi northeast of Onalaska, and 15.9 mi upstream from mouth.

DRAINAGE AREA.--57.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Dec. 1965 to current year.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Dec. 1963 to Sept. 1974.

BIOCHEMICAL DATA: Oct. 1969 to Sept. 1974.

GAGE.--Water-stage recorder. Datum of gage is 139.85 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair, including those for estimated daily discharges. No known regulation or diversions. Low flow is sustained by wastewater effluent that enters the creek upstream from this station. 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 2,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 31	0145	*19	*4.59

08066170 Kickapoo Creek near Onalaska, TX—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.54	0.42	1.1	1.4	7.3	0.86	0.45	0.39	0.18	0.11	0.03	0.24
2	0.47	0.70	1.0	1.2	5.6	0.80	0.44	0.40	0.18	0.11	0.03	0.21
3	0.44	0.63	0.99	1.2	3.1	0.75	0.51	0.34	0.16	0.11	0.01	0.19
4	0.37	0.51	1.1	1.2	2.3	0.79	0.50	0.34	0.15	0.11	0.00	0.22
5	0.36	0.44	1.1	1.7	2.3	0.84	0.49	0.32	0.15	0.21	0.00	0.18
6	0.36	0.39	1.1	1.5	2.5	0.80	0.52	0.31	0.15	0.20	0.00	0.13
7	0.34	0.37	1.1	1.3	2.2	0.81	0.52	0.30	0.15	0.16	0.00	0.13
8	0.36	0.32	1.1	1.2	1.4	0.85	0.58	0.31	0.12	0.13	0.00	0.13
9	0.35	e0.33	0.75	2.6	1.4	0.92	0.59	0.36	0.13	0.11	0.01	0.12
10	0.32	e0.56	0.76	2.0	1.5	0.94	0.62	0.36	0.13	0.09	0.00	0.14
11	0.32	0.54	0.81	1.2	1.1	0.76	0.62	0.36	0.13	0.09	0.00	0.14
12	0.34	0.45	0.97	0.99	0.65	0.73	0.45	1.8	0.13	0.09	0.00	0.12
13	0.40	0.29	0.91	0.95	0.65	0.76	0.40	2.0	0.13	0.10	0.00	0.11
14	0.43	0.28	1.2	1.3	0.65	0.94	0.41	1.1	0.13	0.10	0.00	0.13
15	0.43	0.62	1.3	1.6	0.65	1.1	0.45	0.64	0.12	0.08	0.01	0.19
16	0.45	0.47	1.3	2.2	0.63	0.80	0.43	0.33	0.12	0.08	0.00	0.22
17	0.46	0.35	1.2	6.2	0.57	0.70	0.47	0.15	0.10	0.12	0.00	0.19
18	0.47	0.29	1.1	2.5	0.79	0.71	0.48	0.14	0.09	0.11	0.02	0.27
19	0.50	0.27	1.1	1.6	1.0	0.66	0.45	0.17	0.08	0.07	0.05	0.83
20	0.54	0.40	1.1	1.4	0.93	0.58	0.43	0.30	0.08	0.00	0.04	0.80
21	0.47	0.71	1.1	1.4	0.94	0.53	0.42	0.46	0.08	0.01	0.04	0.47
22	0.40	0.85	1.1	1.5	0.93	0.47	0.35	0.49	0.12	0.03	0.05	0.39
23	0.38	0.91	1.2	1.9	0.84	0.48	0.36	0.47	0.16	0.06	0.04	0.33
24	0.39	0.86	1.2	1.9	0.82	0.48	0.31	0.43	0.12	0.07	0.21	0.26
25	0.37	0.98	1.7	6.2	0.85	0.46	0.28	0.30	0.13	0.06	0.55	0.24
26	0.34	1.1	1.6	4.3	0.82	0.49	0.83	0.14	0.18	0.05	0.50	0.21
27	0.35	1.2	1.4	2.5	0.85	0.48	0.85	0.14	0.17	0.04	0.47	0.19
28	0.36	1.1	1.3	2.4	0.88	0.47	0.61	0.20	0.15	0.03	0.34	0.20
29	0.37	1.3	1.4	2.6	---	0.47	0.48	0.24	0.13	0.05	0.31	0.19
30	0.41	1.1	1.5	2.7	---	0.45	0.41	0.19	0.12	0.05	0.30	0.17
31	0.41	---	1.4	9.1	---	0.47	---	0.18	---	0.03	0.27	---
Total	12.50	18.74	35.99	71.74	44.15	21.35	14.71	13.66	3.97	2.66	3.28	7.34
Mean	0.40	0.62	1.16	2.31	1.58	0.69	0.49	0.44	0.13	0.09	0.11	0.24
Max	0.54	1.3	1.7	9.1	7.3	1.1	0.85	2.0	0.18	0.21	0.55	0.83
Min	0.32	0.27	0.75	0.95	0.57	0.45	0.28	0.14	0.08	0.00	0.00	0.11
Ac-ft	25	37	71	142	88	42	29	27	7.9	5.3	6.5	15
Cfsm	0.01	0.01	0.02	0.04	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00
In.	0.01	0.01	0.02	0.05	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	63.6	46.1	54.1	75.1	77.9	61.0	49.3	52.5	48.5	12.6	5.67	9.81
Max	1,891	416	200	320	288	236	270	214	365	137	51.4	107
(WY)	(1995)	(1999)	(2003)	(1974)	(1992)	(1990)	(1979)	(2004)	(1973)	(2007)	(1975)	(1973)
Min	0.31	0.62	1.16	1.17	1.00	0.69	0.49	0.44	0.13	0.08	0.11	0.24
(WY)	(1988)	(2011)	(2011)	(2000)	(2000)	(2011)	(2011)	(2011)	(2011)	(1971)	(2011)	(2011)

08066170 Kickapoo Creek near Onalaska, TX—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 1966 - 2011	
Annual total	4,033.18	250.09		
Annual mean	11.0	0.69	46.1	
Highest annual mean			223	1995
Lowest annual mean			0.69	2011
Highest daily mean	840	Feb 12	9.1	Jan 31
Lowest daily mean	0.27	Nov 19	0.00	Jul 20
Annual seven-day minimum	0.34	Oct 6	0.00	Aug 4
Maximum peak flow			19	Jan 31
Maximum peak stage			4.59	Jan 31
Annual runoff (ac-ft)	8,000	496	184,600	Oct 17, 1994
Annual runoff (cfs-m)	0.194	0.012	0.808	
Annual runoff (inches)	2.63	0.16	10.98	
10 percent exceeds	13	1.4	56	
50 percent exceeds	1.7	0.43	3.1	
90 percent exceeds	0.44	0.08	0.50	

ⁱ From indirect measurement of peak flow.^a From floodmark.