07375000 TCHEFUNCTE RIVER NEAR FOLSOM, LA

Lake Pontchartrain Basin
Liberty Bayou-Tchefuncta Subbasin

LOCATION.--Lat 30°36′57″, long 90°14′55″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.13, T.5 S., R.9 E., St. Tammany Parish, LA, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--103 mi^2 of which 7.50 mi^2 probably is noncontributing, Total drainage area for extreme floods is 103 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944, monthly discharge only, published in WSP 1311. Prior to October 1954, published as Chefuncta River near Folsom. Prior to October 2000, published as Tchefuncta River near Folsom.

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WDR LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above NGVD of 1929. Prior to June 9, 1944, non-recording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharge which are poor. Satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 10	1815	*3,600	*18.28
Jan 15	1930	2,980	17.78
Feb 12	2345	1,550	14.87
Feb 26	0930	1,540	14.82

Minimum discharge, 41 ft^3/s, Sept. 16, 17, 18, 19, gage height, 4.92 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 07375000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07375000.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e214	50	55	86	360	225	73	85	59	53	51	46
2	145	50	55	86	174	181	76	100	64	49	47	46
3	92	50	54	87	138	155	93	112	92	47	50	45
4	74	50	53	e91	124	139	228	152	93	47	47	45
5	67	53	55	e96	115	130	130	115	67	50	46	44
6	64	55	64	e105	111	121	93	87	62	53	45	47
7	61	54	78	e115	234	112	81	76	61	59	44	55
8	59	53	71	e130	442	105	75	71	58	59	43	47
9	58	52	65	e1,250	284	101	72	67	58	61	45	45
10	58	52	63	e2,910	184	98	70	208	58	56	52	44
11	57	52	69	2,890	396	105	89	900	57	53	47	43
12	56	52	74	e2,580	1,050	163	338	883	56	146	47	43
13	56	57	74	e1,590	1,400	132	251	306	53	101	79	43
14	56	57	69	e1,380	855	105	241	145	52	60	231	44
15	55	54	65	2,520	344	95	899	107	51	59	747	42
16	55	53	64	2,150	228	91	1,070	90	50	61	496	41
17	54	53	66	1,150	182	89	376	81	50	56	127	41
18	54	52	71	581	158	87	157	75	50	52	99	41
19	54	52	73	320	254	85	176	71	52	50	77	42
20	54	52	75	238	437	82	202	68	76	49	68	42
21	53	51	76	199	275	79	133	65	59	54	61	53
22	53	51	77	172	213	77	103	e75	54	64	66	176
23	52	51	77	152	341	77	90	226	54	56	77	131
24	52	51	76	139	353	77	83	128	57	53	61	64
25	52	51	76	129	785	76	109	82	54	49	55	55
26	52	51	79	123	1,440	72	116	69	52	48	54	52
27	51	51	81	117	935	70	88	64	50	48	52	49
28	51	55	84	113	367	69	82	62	49	49	50	47
29	51	58	85	109	---	69	108	60	54	49	49	46
30	50	57	85	136	---	68	97	60	62	47	48	45
31	50	---	86	345	---	69	---	61	---	48	47	---
Total	2,010	1,580	2,195	22,089	12,179	3,204	5,799	4,751	1,764	1,786	3,108	1,604
Mean	64.8	52.7	70.8	713	435	103	193	153	58.8	57.6	100	53.5
Max	214	58	86	2,910	1,440	225	1,070	900	93	146	747	176
Min	50	50	53	86	111	68	70	60	49	47	43	41
Cfsm	0.68	0.55	0.74	7.46	4.55	1.08	2.02	1.60	0.62	0.60	1.05	0.56
In.	0.78	0.62	0.86	8.60	4.74	1.25	2.26	1.85	0.69	0.70	1.21	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	77.3	108	176	235	280	244	219	152	98.5	102	97.4	100
Max	608	800	866	1,630	1,257	621	1,227	853	373	845	426	444
(WY)	(2003)	(1962)	(1954)	(1993)	(1961)	(1973)	(1983)	(1953)	(1959)	(2003)	(1983)	(2002)
Min	27.6	39.0	45.7	48.4	47.9	51.5	42.5	32.0	35.5	30.7	28.8	29.3
(WY)	(2001)	(2000)	(2012)	(2012)	(2000)	(2000)	(2000)	(2001)	(1968)	(2000)	(2000)	(2000)

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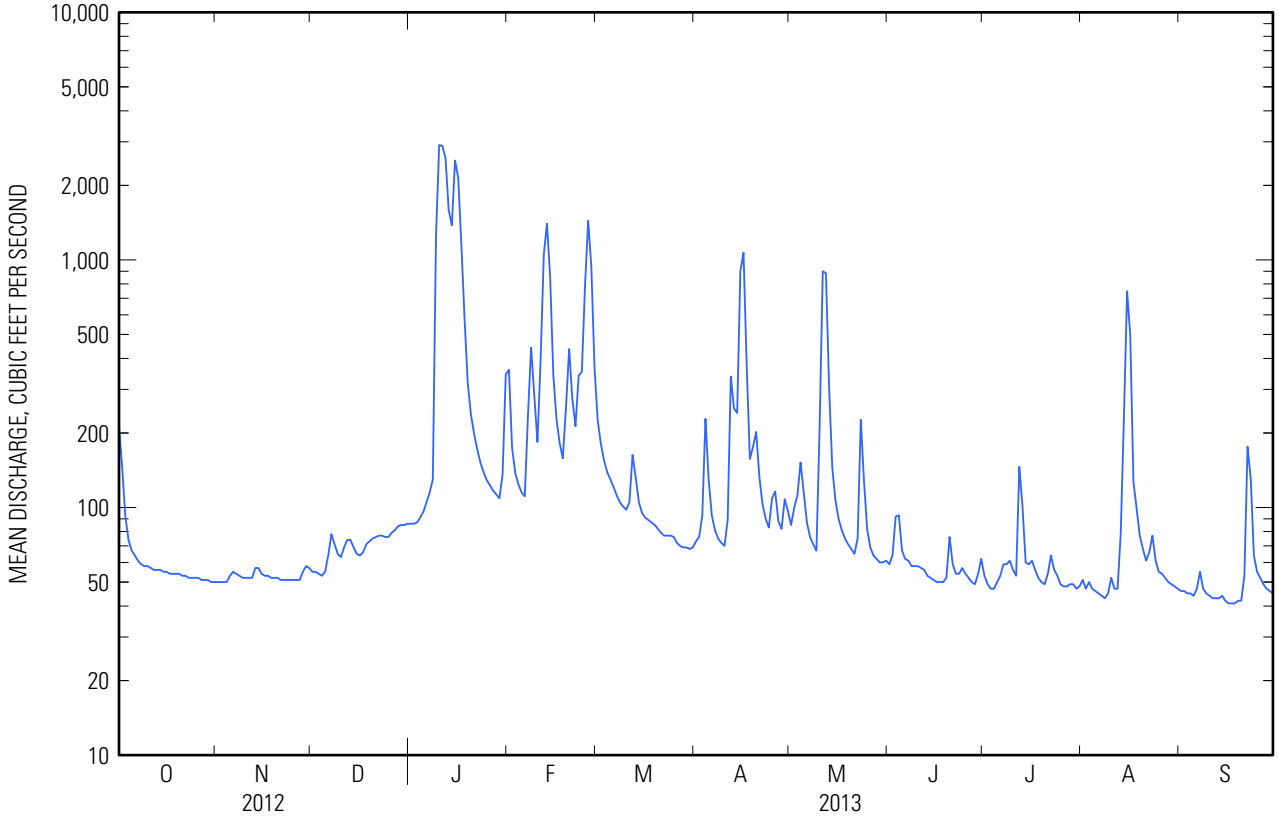
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1944 - 2013	
Annual total	46,553		62,069			
Annual mean	127		170		157	
Highest annual mean					313	1949
Lowest annual mean					47.4	2000
Highest daily mean	8,120	Aug 31	2,910	Jan 10	15,100	Feb 22, 1961
Lowest daily mean	32	Jun 29	41	Sep 16	26	Oct 5, 2000
Annual seven-day minimum	32	Jun 27	42	Sep 14	27	Sep 30, 2000
Maximum peak flow			3,600	Jan 10	29,800	Apr 5, 1983
Maximum peak stage			18.28	Jan 10	24.14	Apr 5, 1983
Instantaneous low flow			41	Sep 16	26	Sep 4, 1968
Annual runoff (cfsm)	1.33		1.78		1.64	
Annual runoff (inches)	18.13		24.18		22.31	
10 percent exceeds	116		279		282	
50 percent exceeds	54		68		68	
90 percent exceeds	38		48		42	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e7.52	5.02	5.15	5.76	8.62	7.42	5.56	5.88	5.37	5.22	5.17	5.06
2	6.65	5.02	5.13	5.77	6.79	6.94	5.62	6.14	5.48	5.12	5.08	5.04
3	5.86	5.02	5.11	5.78	6.33	6.63	5.90	6.32	5.98	5.09	5.15	5.03
4	5.55	5.03	5.10	e5.85	6.12	6.42	7.67	6.88	6.01	5.07	5.07	5.02
5	5.41	5.09	5.15	e5.90	6.00	6.30	6.50	6.37	5.52	5.15	5.05	5.01
6	5.33	5.15	5.33	e5.99	5.93	6.19	5.95	5.91	5.44	5.23	5.02	5.08
7	5.28	5.11	5.61	e6.12	7.36	6.05	5.74	5.71	5.40	5.37	5.00	5.27
8	5.24	5.09	5.49	e6.31	9.30	5.95	5.64	5.60	5.34	5.36	4.98	5.07
9	5.22	5.07	5.37	e13.06	7.94	5.89	5.58	5.53	5.33	5.40	5.02	5.02
10	5.20	5.06	5.32	e17.57	6.90	5.86	5.54	7.27	5.34	5.30	5.21	4.99
11	5.19	5.06	5.44	17.65	8.84	5.97	5.88	12.15	5.33	5.22	5.07	4.98
12	5.17	5.08	5.53	e17.28	12.68	6.78	8.71	12.09	5.28	6.72	5.07	4.96
13	5.16	5.18	5.53	e14.92	14.27	6.39	7.88	8.42	5.23	6.11	5.67	4.97
14	5.16	5.19	5.44	e14.18	11.77	5.99	7.71	6.79	5.20	5.37	7.59	4.99
15	5.14	5.13	5.36	17.09	8.48	5.84	12.15	6.25	5.18	5.35	11.42	4.95
16	5.13	5.10	5.33	16.39	7.39	5.78	12.99	5.97	5.16	5.41	9.74	4.94
17	5.12	5.09	5.39	13.21	6.88	5.74	8.92	5.80	5.15	5.29	6.54	4.93
18	5.12	5.08	5.48	10.25	6.59	5.72	6.95	5.69	5.14	5.21	6.11	4.92
19	5.12	5.07	5.51	8.32	7.61	5.69	7.18	5.61	5.19	5.16	5.74	4.94
20	5.11	5.06	5.55	7.53	9.26	5.64	7.47	5.55	5.70	5.12	5.55	4.95
21	5.11	5.06	5.58	7.11	7.86	5.59	6.63	5.50	5.37	5.24	5.42	5.23
22	5.09	5.05	5.60	6.79	7.24	5.56	6.18	e5.68	5.25	5.47	5.51	7.12
23	5.08	5.05	5.60	6.53	8.48	5.57	5.96	7.71	5.26	5.29	5.74	6.55
24	5.07	5.04	5.59	6.35	8.60	5.58	5.84	6.54	5.33	5.22	5.40	5.47
25	5.07	5.04	5.58	6.21	11.24	5.55	6.26	5.83	5.26	5.14	5.28	5.27
26	5.07	5.04	5.64	6.11	14.44	5.50	6.37	5.58	5.20	5.09	5.25	5.19
27	5.06	5.06	5.68	6.02	12.21	5.46	5.93	5.48	5.16	5.09	5.20	5.12
28	5.05	5.14	5.72	5.96	8.70	5.45	5.83	5.42	5.12	5.13	5.15	5.07
29	5.05	5.20	5.74	5.89	---	5.45	6.26	5.38	5.24	5.14	5.12	5.05
30	5.04	5.18	5.75	6.28	---	5.44	6.08	5.39	5.43	5.08	5.10	5.03
31	5.03	---	5.76	8.50	---	5.46	---	5.41	---	5.11	5.08	---
Max	7.52	5.20	5.76	17.65	14.44	7.42	12.99	12.15	6.01	6.72	11.42	7.12
Min	5.03	5.02	5.10	5.76	5.93	5.44	5.54	5.38	5.12	5.07	4.98	4.92