Water-Data Report 2012

07375800 TICKFAW RIVER AT LIVERPOOL, LA

Lake Maurepas Basin
Tickfaw Subbasin

LOCATION.--Lat 30°55′50″, long 90°40′24″ referenced to North American Datum of 1927, in sec.47, T.1 S., R.5 E., St. Helena Parish, LA, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.70 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to September 2001 (gage heights only), October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

REMARKS.--Records good except for periods of estimated discharge which are poor. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft^3/s, Apr. 6, 1983, maximum gage height, 13.30 ft; minimum gage height, 1.19 ft, Jul. 8-9, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,640 ft^3/s, Feb. 19, gage height, 10.20 ft; minimum discharge, 23 ft^3/s, on several days, gage height, 1.20 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07375800, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07375800.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26	24	32	e43	100	55	49	33	31	24	29	1,610
2	25	24	31	41	269	54	48	34	33	25	28	549
3	24	24	30	40	264	90	49	34	31	25	28	158
4	24	25	30	39	123	239	87	35	30	27	28	96
5	24	25	31	39	213	92	111	35	30	27	28	68
6	24	25	31	38	185	69	69	35	29	27	28	56
7	24	25	32	e38	95	61	55	35	29	30	29	49
8	24	25	31	e38	75	57	49	43	29	31	29	44
9	23	27	31	e48	66	163	46	51	29	29	29	42
10	24	27	31	e268	62	385	45	39	30	30	70	39
11	24	27	31	498	65	167	43	35	30	30	46	38
12	24	28	31	286	61	118	42	34	30	38	32	37
13	25	28	32	83	58	135	41	34	29	47	29	36
14	25	28	31	62	61	96	40	34	29	37	28	36
15	25	29	e31	54	71	75	39	37	32	31	29	35
16	24	80	e32	49	1,370	65	39	36	31	31	27	34
17	24	48	32	50	1,900	59	40	35	28	30	27	40
18	24	31	32	194	945	55	40	35	27	29	28	72
19	24	28	32	538	2,920	53	40	35	27	28	31	86
20	24	27	33	154	1,490	52	39	34	27	43	29	48
21	25	28	e47	90	220	95	38	33	26	90	28	39
22	25	33	50	75	114	811	38	32	26	46	28	36
23	24	53	44	101	92	1,300	36	32	26	33	27	34
24	24	43	41	193	80	444	36	33	25	30	27	33
25	24	34	38	100	70	106	36	35	24	29	28	32
26	24	35	51	741	64	77	36	34	24	29	27	31
27	24	78	229	1,800	60	66	37	33	23	29	27	32
28	24	61	259	866	58	59	36	34	24	29	27	32
29	24	40	77	125	57	55	34	33	23	30	37	32
30	24	34	e55	87	---	53	34	32	23	29	554	38
31	24	---	e47	73	---	51	---	32	---	29	1,980	---
Total	751	1,044	1,565	6,851	11,208	5,257	1,372	1,086	835	1,022	3,422	3,512
Mean	24.2	34.8	50.5	221	386	170	45.7	35.0	27.8	33.0	110	117
Max	26	80	259	1,800	2,920	1,300	111	51	33	90	1,980	1,610
Min	23	24	30	38	57	51	34	32	23	24	27	31
Cfsm	0.27	0.39	0.56	2.46	4.31	1.89	0.51	0.39	0.31	0.37	1.23	1.31
In.	0.31	0.43	0.65	2.84	4.65	2.18	0.57	0.45	0.35	0.42	1.42	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74.2	73.9	111	134	216	184	147	90.3	72.7	60.8	57.3	66.0
Max	349	245	502	475	809	725	532	439	414	156	118	242
(WY)	(1965)	(1958)	(2010)	(1962)	(1966)	(1980)	(1980)	(2004)	(2004)	(1961)	(1959)	(2002)
Min	24.2	33.6	42.9	43.8	45.0	42.2	40.8	33.2	27.8	32.2	26.8	30.7
(WY)	(2012)	(2008)	(1967)	(1957)	(1968)	(2007)	(2011)	(2011)	(2012)	(2008)	(2011)	(1968)

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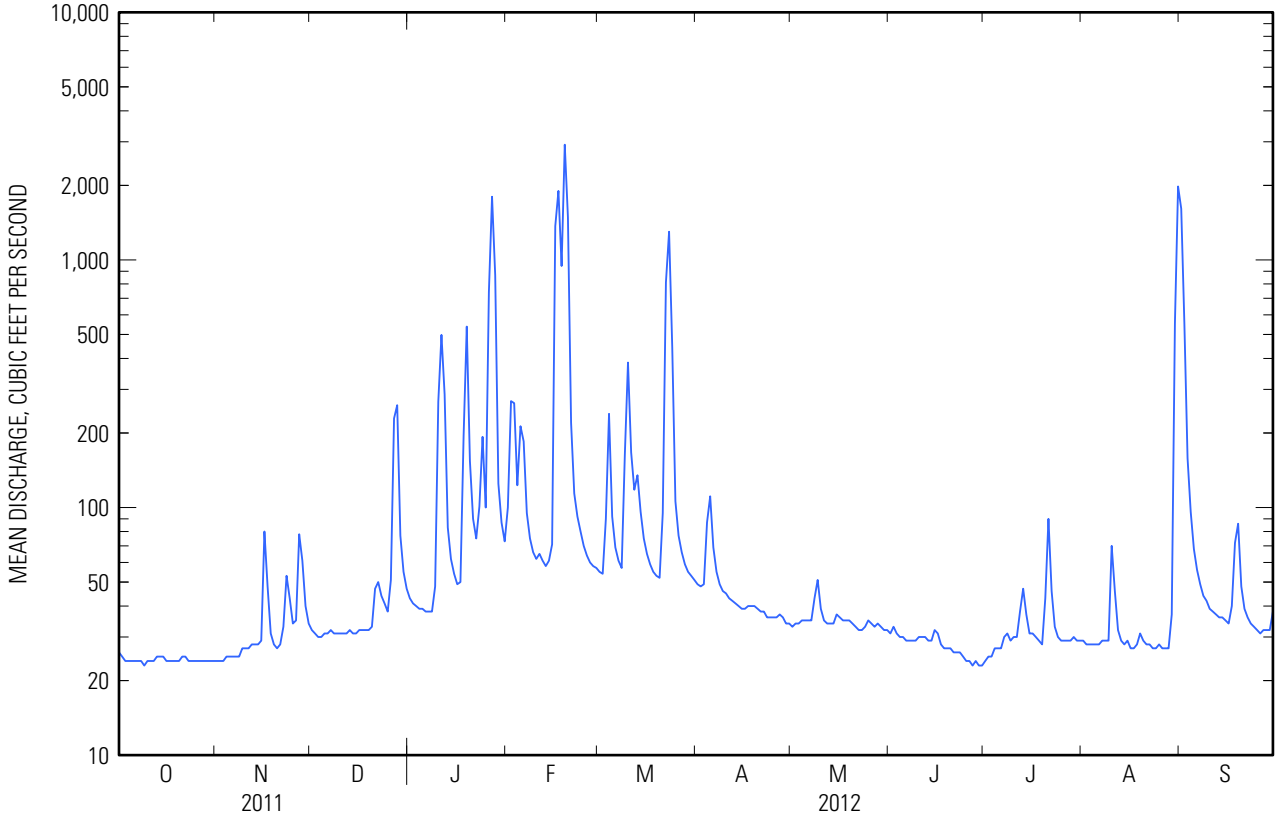
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1956 - 2012	
Annual total	18,688		37,925			
Annual mean	51.2		104		107	
Highest annual mean					205	1980
Lowest annual mean					52.0	2006
Highest daily mean	1,480	Mar 10	2,920	Feb 19	7,040	Mar 28, 2009
Lowest daily mean	23	Aug 30	23	Oct 9	23	Aug 30, 2011
Annual seven-day minimum	24	Aug 27	24	Jun 25	24	Jun 25, 2012
Maximum peak flow			3,640	Feb 19	32,000	Apr 6, 1983
Maximum peak stage			10.20	Feb 19	13.30	Apr 6, 1983
Instantaneous low flow			23	Oct 8	23	Aug 29, 2011
Annual runoff (cfsm)	0.571		1.16		1.20	
Annual runoff (inches)	7.75		15.73		16.25	
10 percent exceeds	65		124		146	
50 percent exceeds	32		35		50	
90 percent exceeds	25		25		35	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.50	1.50	1.58	e1.70	2.52	1.78	1.65	1.28	1.35	1.24	1.42	8.48
2	1.47	1.48	1.55	1.65	4.20	1.76	1.63	1.30	1.39	1.27	1.42	5.59
3	1.46	1.49	1.53	1.62	4.13	2.34	1.64	1.30	1.34	1.28	1.42	3.33
4	1.45	1.50	1.53	1.59	2.85	3.98	2.31	1.35	1.32	1.33	1.41	2.63
5	1.46	1.50	1.54	1.58	3.78	2.41	2.67	1.35	1.32	1.33	1.41	2.23
6	1.46	1.51	1.54	1.57	3.48	2.05	2.03	1.34	1.30	1.33	1.42	2.02
7	1.45	1.50	1.55	e1.56	2.46	1.89	1.78	1.34	1.30	1.41	1.43	1.89
8	1.44	1.49	1.54	e1.55	2.15	1.81	1.66	1.52	1.30	1.44	1.43	1.80
9	1.44	1.53	1.53	e1.74	1.99	3.13	1.60	1.71	1.31	1.42	1.44	1.74
10	1.46	1.54	1.52	e4.13	1.92	5.01	1.56	1.46	1.33	1.43	2.17	1.69
11	1.46	1.53	1.51	5.58	1.98	3.29	1.53	1.36	1.35	1.44	1.83	1.65
12	1.47	1.56	1.51	4.17	1.90	2.78	1.49	1.35	1.34	1.61	1.52	1.63
13	1.48	1.55	1.52	2.36	1.84	3.00	1.46	1.34	1.34	1.81	1.44	1.62
14	1.49	1.56	1.51	2.02	1.90	2.47	1.44	1.34	1.34	1.60	1.42	1.61
15	1.48	1.57	e1.50	1.86	2.02	2.15	1.42	1.43	1.41	1.47	1.44	1.60
16	1.48	2.47	e1.52	1.76	7.88	1.98	1.43	1.41	1.39	1.47	1.40	1.58
17	1.48	1.94	1.51	1.76	8.88	1.87	1.46	1.39	1.31	1.45	1.39	1.69
18	1.48	1.59	1.50	3.42	7.10	1.78	1.46	1.38	1.30	1.41	1.43	2.25
19	1.48	1.54	1.50	5.76	9.72	1.73	1.45	1.38	1.28	1.40	1.51	2.48
20	1.48	1.51	1.52	3.16	8.20	1.71	1.42	1.36	1.28	1.69	1.46	1.86
21	1.49	1.53	e1.82	2.45	3.75	2.31	1.40	1.35	1.28	2.54	1.43	1.69
22	1.49	1.62	1.87	2.20	2.73	6.71	1.39	1.33	1.26	1.80	1.42	1.61
23	1.48	2.02	1.76	2.56	2.41	8.09	1.36	1.33	1.26	1.52	1.40	1.57
24	1.49	1.83	1.68	3.61	2.23	4.89	1.36	1.36	1.25	1.46	1.39	1.56
25	1.48	1.65	1.62	2.56	2.06	2.61	1.36	1.40	1.23	1.42	1.43	1.53
26	1.47	1.65	1.86	6.20	1.95	2.19	1.34	1.40	1.24	1.42	1.40	1.50
27	1.47	2.42	3.86	8.74	1.89	1.98	1.37	1.38	1.21	1.42	1.38	1.52
28	1.47	2.13	4.09	6.45	1.85	1.85	1.34	1.39	1.23	1.44	1.39	1.53
29	1.47	1.76	2.31	2.88	1.81	1.77	1.31	1.37	1.22	1.45	1.61	1.52
30	1.48	1.63	e1.93	2.37	---	1.74	1.30	1.35	1.22	1.44	5.62	1.66
31	1.49	---	e1.77	2.14	---	1.70	---	1.36	---	1.44	8.82	---
Max	1.50	2.47	4.09	8.74	9.72	8.09	2.67	1.71	1.41	2.54	8.82	8.48
Min	1.44	1.48	1.50	1.55	1.81	1.70	1.30	1.28	1.21	1.24	1.38	1.50