07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

Lake Maurepas Basin
Amite Subbasin

LOCATION.--Lat 30°38′13″, long 91°07′39″ referenced to North American Datum of 1927, in E ¼ sec.39, T.5 S., R.1 E., East Baton Rouge Parish, LA, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge of 4730 cfs. Apr. 6, 1983; maximum gage height of 23.60 on Sep. 3, 2008. Minimum discharge of .01 cfs. on Aug. 5, 1998, minimum gage height not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 26	1315	2,450	19.04
Feb 18	2345	*2,530	*19.32

Minimum discharge, 0.07 ft^3/s, Oct. 14, 16, gage height, 0.77 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 07377782, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07377782.2012.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	e0.70	0.20	0.75	0.88	151	3.6	2.0	e0.38	e8.0	e1.1	e0.15	138
2	e0.64	0.19	0.56	0.53	400	3.6	17	e3.6	e2.3	e2.0	e0.14	150
3	e0.61	0.23	0.45	0.41	111	12	91	e4.8	e1.3	e1.2	e0.14	136
4	e0.56	0.22	0.35	0.34	122	8.8	404	e6.5	e1.2	e1.1	e0.40	34
5	e0.52	0.21	0.36	0.31	256	4.7	475	e15	e1.0	e2.9	1.8	10
6	0.43	0.21	0.40	0.32	71	3.3	185	e106	e0.87	e1.1	0.43	5.3
7	0.40	0.22	0.41	0.25	26	2.4	30	e292	e0.87	e1.0	5.0	3.8
8	0.31	0.22	0.34	0.21	13	2.0	12	e24	e1.5	e1.0	3.9	3.0
9	0.24	0.86	0.33	0.21	8.0	328	7.0	e7.6	e5.1	e1.6	2.6	2.3
10	0.22	0.36	0.25	492	14	706	4.7	e3.0	e12	e1.7	5.9	1.5
11	0.19	0.26	0.23	312	71	160	3.3	e2.4	e3.7	2.2	96	1.2
12	0.15	0.25	0.22	25	35	260	2.6	e6.1	e2.0	3.3	37	1.0
13	0.13	0.26	0.18	10	14	162	2.0	e11	e1.6	3.6	5.0	0.85
14	0.10	0.27	0.19	4.5	33	65	1.7	e4.1	e1.7	2.1	2.6	0.74
15	0.14	4.0	0.22	2.6	23	22	1.4	e3.0	e5.2	3.3	1.5	0.68
16	0.14	36	0.32	1.6	323	10	5.8	e2.4	e5.0	2.0	0.88	0.62
17	0.16	1.3	0.27	1.2	152	6.4	6.3	e1.2	e1.9	1.2	0.56	4.7
18	0.16	0.63	0.22	216	1,170	4.5	1.9	e1.0	e1.4	0.59	8.3	6.1
19	0.11	0.43	0.22	60	2,160	3.5	1.3	e0.38	e1.1	0.31	200	1.9
20	0.13	0.33	4.5	11	378	2.9	1.6	e0.71	e0.59	54	56	0.99
21	0.13	0.31	50	5.5	54	472	1.4	e0.55	e0.59	166	29	0.68
22	0.13	20	23	3.0	26	599	0.95	e0.71	e1.6	37	10	e0.52
23	0.17	20	18	9.3	17	149	0.72	e0.71	e1.4	8.9	5.7	e0.51
24	0.25	1.8	12	23	11	32	0.61	e0.71	e1.1	3.5	13	e0.50
25	0.16	0.77	3.3	70	6.8	13	0.53	e0.87	e0.91	2.1	6.8	e0.50
26	0.15	14	41	2,100	6.0	6.6	e0.71	e0.55	e1.9	1.4	30	e0.51
27	0.14	168	186	1,080	4.2	4.3	e0.55	e1.0	e0.91	0.82	8.3	e0.52
28	0.28	28	32	95	3.6	3.2	e0.87	e0.71	e1.6	0.60	3.3	e0.60
29	0.22	5.3	10	26	3.5	3.2	e0.71	e0.79	e1.6	0.44	86	e3.0
30	0.18	1.5	4.0	15	---	16	e0.34	e1.1	e1.2	e0.15	1,140	80
31	0.22	---	1.8	8.7	---	3.8	---	e2.1	---	e0.15	636	---
Total	8.07	306.33	391.87	4,574.86	5,663.1	3,072.8	1,262.99	504.97	71.14	308.36	2,396.40	590.02
Mean	0.26	10.2	12.6	148	195	99.1	42.1	16.3	2.37	9.95	77.3	19.7
Max	0.70	168	186	2,100	2,160	706	475	292	12	166	1,140	150
Min	0.10	0.19	0.18	0.21	3.5	2.0	0.34	0.38	0.59	0.15	0.14	0.50
Cfsm	0.01	0.23	0.28	3.28	4.34	2.20	0.94	0.36	0.05	0.22	1.72	0.44
In.	0.01	0.25	0.32	3.78	4.68	2.54	1.04	0.42	0.06	0.25	1.98	0.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	37.1	36.8	76.6	129	143	101	105	57.9	53.0	26.8	34.7	43.0
Max	372	209	369	426	461	335	423	300	519	282	203	428
(WY)	(1985)	(1978)	(1983)	(1990)	(2003)	(1980)	(1983)	(2004)	(1989)	(1975)	(1987)	(2008)
Min	0.16	0.16	7.90	2.52	0.93	1.99	0.54	0.32	0.27	0.41	0.37	0.02
(WY)	(1991)	(2002)	(1997)	(1981)	(2000)	(2000)	(2010)	(2002)	(2009)	(2008)	(1999)	(1990)

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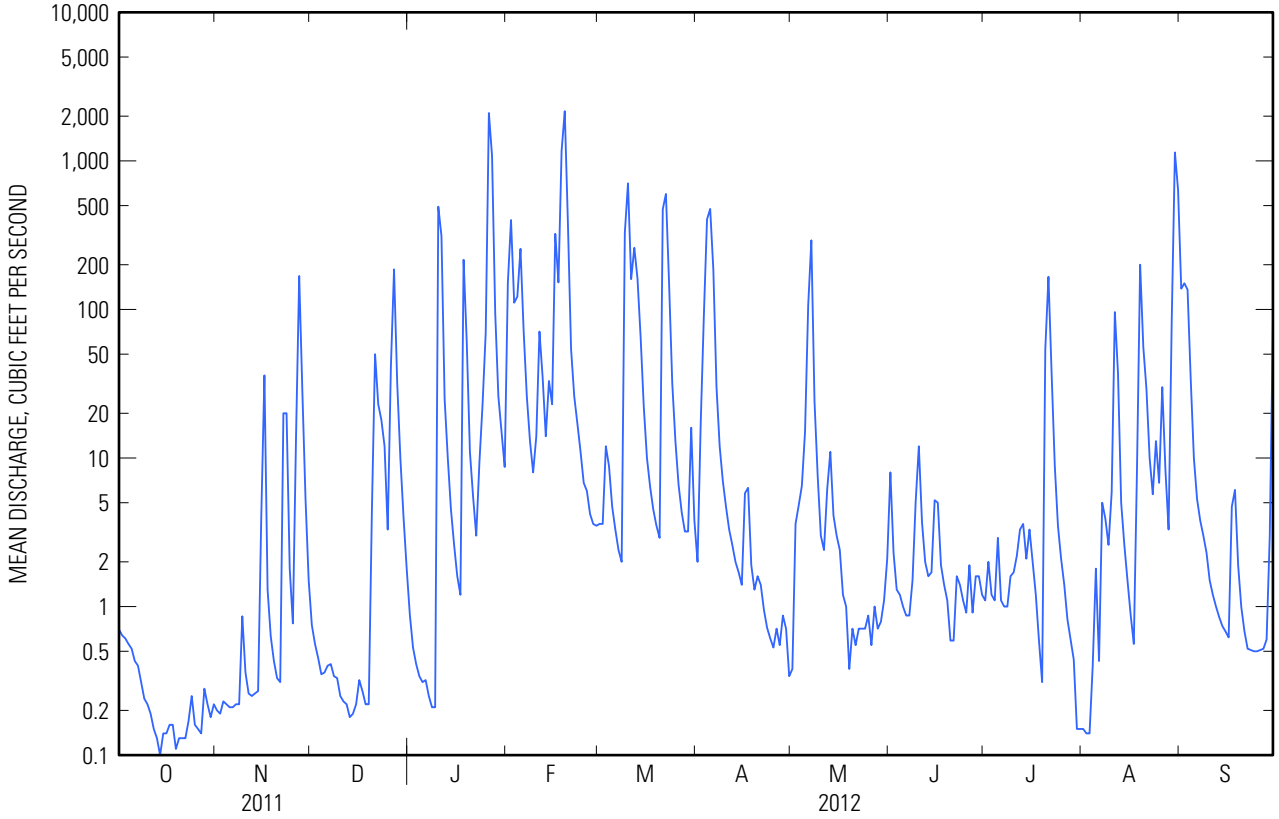
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1973 - 2012	
Annual total	12,171.79		19,150.91			
Annual mean	33.3		52.3		69.9	
Highest annual mean					142	1983
Lowest annual mean					5.63	2000
Highest daily mean	2,570	Mar 9	2,160	Feb 19	4,270	Apr 22, 1977
Lowest daily mean	0.10	Oct 14	0.10	Oct 14	0.00	Aug 20, 1974
Annual seven-day minimum	0.13	Oct 13	0.13	Oct 13	0.00	Oct 3, 1974
Maximum peak flow			2,530	Feb 18	4,730	Apr 6, 1983
Maximum peak stage			19.32	Feb 18	23.60	Sep 3, 2008
Instantaneous low flow			0.07	Oct 14	0.01	Aug 5, 1998
Annual runoff (cfsm)	0.741		1.16		1.55	
Annual runoff (inches)	10.06		15.83		21.09	
10 percent exceeds	35		108		127	
50 percent exceeds	0.94		2.0		3.3	
90 percent exceeds	0.22		0.22		0.29	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	0.89	1.19	1.23	4.62	1.31	1.16	---	---	---	---	4.58
2	---	0.88	1.11	1.10	8.73	1.32	1.70	---	---	---	---	4.95
3	---	0.91	1.06	1.04	4.18	1.74	3.80	---	---	---	---	4.65
4	---	0.90	1.01	1.01	4.28	1.66	8.39	---	---	---	---	2.37
5	---	0.90	1.01	0.99	6.71	1.41	9.62	---	---	---	0.99	1.59
6	1.02	0.89	1.04	0.99	3.35	1.29	5.42	---	---	---	0.78	1.30
7	1.01	0.90	1.04	0.95	2.29	1.20	2.39	---	---	---	1.21	1.18
8	0.96	0.90	1.01	0.93	1.86	1.16	1.83	---	---	---	1.24	1.11
9	0.92	1.18	1.00	0.92	1.62	6.78	1.56	---	---	---	1.11	1.04
10	0.90	0.99	0.96	9.19	1.82	11.43	1.41	---	---	---	1.37	0.94
11	0.88	0.93	0.94	8.02	3.34	4.88	1.29	---	---	1.18	3.58	0.89
12	0.85	0.92	0.93	3.21	2.51	6.64	1.22	---	---	1.23	2.43	0.86
13	0.83	0.93	0.91	2.41	1.90	5.12	1.15	---	---	1.31	1.33	0.83
14	0.80	0.94	0.91	1.87	2.49	3.22	1.12	---	---	1.17	1.12	0.81
15	0.84	1.23	0.93	1.60	2.19	2.16	1.08	---	---	1.26	0.99	0.79
16	0.83	3.22	0.99	1.43	7.68	1.74	1.38	---	---	1.15	0.88	0.78
17	0.85	1.31	0.96	1.31	4.90	1.52	1.48	---	---	1.05	0.82	1.15
18	0.86	1.11	0.93	6.88	11.31	1.39	1.14	---	---	0.92	1.18	1.33
19	0.81	1.02	0.93	4.13	18.02	1.31	1.06	---	---	0.84	5.70	0.99
20	0.83	0.97	1.31	2.46	7.56	1.25	1.11	---	---	2.16	2.92	0.86
21	0.83	0.96	4.15	2.00	2.97	7.38	1.07	---	---	5.24	2.21	0.79
22	0.83	2.19	3.17	1.68	2.30	10.50	1.00	---	---	2.50	1.60	---
23	0.86	2.81	2.90	2.23	2.01	4.84	0.95	---	---	1.55	1.36	---
24	0.92	1.41	2.56	3.17	1.78	2.45	0.93	---	---	1.21	1.73	---
25	0.86	1.17	1.70	4.15	1.55	1.85	0.91	---	---	1.07	1.43	---
26	0.85	1.97	2.79	17.72	1.50	1.53	---	---	---	0.98	2.34	---
27	0.84	6.36	6.66	13.07	1.37	1.38	---	---	---	0.87	1.52	---
28	0.93	3.29	3.46	3.80	1.32	1.28	---	---	---	0.83	1.19	---
29	0.90	1.94	2.42	2.31	1.31	1.27	---	---	---	0.79	2.75	3.35
30	0.87	1.37	1.82	1.92	---	1.95	---	---	---	---	13.88	7.44
31	0.90	---	1.46	1.65	---	1.33	---	---	---	---	10.91	---
Max	---	6.36	6.66	17.72	18.02	11.43	---	---	---	---	---	---
Min	---	0.88	0.91	0.92	1.31	1.16	---	---	---	---	---	---