Water-Data Report 2012

07380120 AMITE RIVER AT PORT VINCENT, LA

Lake Maurepas Basin
Amite Subbasin

LOCATION.--Lat 30°19′57″, long 90°51′07″ referenced to North American Datum of 1927, in sec.19, T.8 S., R.4 E., Livingston Parish, LA, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1596 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1984 to current year. Oct. 25, 1983 to Sept. 30, 1984 (gage height only). Prior to Oct. 24, 1983, (gage height only) in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is NGVD of 1929. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--No estimated daily discharges. Records fair. No flow at times throughout the year. Satellite telemetry and rain gage at station. Maximum daily discharge of 69,500 ft^3/s on Jan. 28, 1990 was estimated based on measurements and hydrographic comparisons due to a large debris build up at the site effecting recorded values. Annual maximum instantaneous discharge was not computed prior to the 1998 water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 69,500 ft^3/s, Jan. 28, 1990; maximum recorded positive discharge, 42,100 ft^3/s, Feb. 24, 2003; maximum recorded gage height, 12.73 ft, June 11, 2001; maximum recorded negative discharge, -2230 ft^3/s, July 22, 2002; minimum recorded gage height, -0.97 ft, Dec. 13, 2010.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.65 ft, Apr. 9, 1983; minimum gage height, -1.04 ft, Jan. 19, 1977.

CORRECTIONS.--For water years 2004 through 2007 the annual instantaneous maximum discharge was incorrectly listed as 43,500 ft^3/s, Apr. 30, 1997. This value was an annual maximum daily mean discharge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,100 ft^3/s, Feb. 21; maximum gage height, 8.92 ft, Sept. 2; maximum negative discharge, -1,420 ft^3/s, Oct. 6, 7; minimum gage height, 0.08 ft, Jan. 3..

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	380	-45	131	1,330	4,730	1,580	1,840	324	821	598	973	18,000
2	384	-81	117	1,150	5,250	1,540	2,100	2,650	432	740	759	20,600
3	298	561	-314	902	5,820	1,570	3,130	5,910	649	639	644	20,000
4	110	529	63	527	6,640	1,790	5,490	2,450	724	633	451	17,200
5	75	-202	341	651	7,230	2,910	7,700	1,690	650	729	1,010	12,500
6	-184	-383	897	546	5,640	2,260	9,080	1,360	741	713	1,850	6,070
7	-262	-30	682	550	4,120	1,500	9,380	1,360	1,730	884	892	3,180
8	-267	151	407	643	2,840	1,380	5,870	2,540	1,980	1,480	747	2,350
9	-185	958	399	670	1,870	1,210	2,600	2,890	1,650	1,760	872	2,060
10	292	733	408	1,080	1,810	3,890	1,850	1,760	2,150	1,310	1,240	1,810
11	532	364	297	3,510	1,990	6,510	1,790	1,060	2,050	1,450	3,660	1,600
12	586	141	123	5,380	1,490	7,900	1,480	1,130	1,800	1,020	2,590	1,450
13	731	348	39	5,040	1,330	7,840	1,360	1,410	1,030	1,610	1,140	1,280
14	424	268	16	2,600	1,910	6,260	1,130	1,200	916	1,140	1,110	1,470
15	407	212	302	1,450	1,280	3,790	989	823	960	924	762	1,710
16	234	1,990	487	909	2,970	2,470	1,130	991	935	1,270	729	1,720
17	271	2,030	765	957	5,660	1,760	1,540	1,010	579	1,540	583	2,140
18	498	474	389	1,170	9,800	1,520	1,590	980	466	1,230	3,480	2,490
19	615	106	365	2,570	13,800	1,150	1,240	732	314	2,160	6,370	1,820
20	266	323	465	5,170	17,400	587	1,130	835	361	2,020	3,240	1,770
21	231	333	1,130	5,760	22,600	2,880	1,130	1,000	593	3,620	1,700	1,610
22	89	386	1,100	2,750	20,200	9,050	1,100	885	488	3,330	1,220	1,560
23	65	1,530	980	1,750	14,300	10,900	1,090	797	315	2,270	1,060	1,470
24	451	865	644	1,390	7,390	14,300	837	642	356	1,780	1,150	1,390
25	-79	475	576	1,710	3,240	15,200	922	480	658	1,450	1,480	1,190
26	199	354	595	5,130	2,210	12,200	826	537	697	1,530	1,130	1,130
27	155	1,100	2,020	8,340	1,840	6,440	673	763	709	1,060	1,220	1,110
28	477	1,340	4,440	11,100	1,860	2,870	570	733	822	758	822	1,450
29	362	1,150	6,070	14,500	1,790	2,100	504	975	763	715	3,120	1,880
30	-11	555	5,560	14,700	---	2,510	823	737	594	941	14,200	3,730
31	373	---	2,360	10,800	---	2,180	---	469	---	1,130	14,800	---
Total	7,517	16,535	31,854	114,735	179,010	140,047	70,894	41,123	26,933	42,434	75,004	137,740

SUMMARY STATISTICS

	Water Years 1988 - 2012	
Highest daily mean	69,500	Jan 28, 1990
Lowest daily mean	-478	Oct 16, 2006
Annual seven-day minimum	-338	Sep 4, 1989
10 percent exceeds	5,490	
50 percent exceeds	908	
90 percent exceeds	264	

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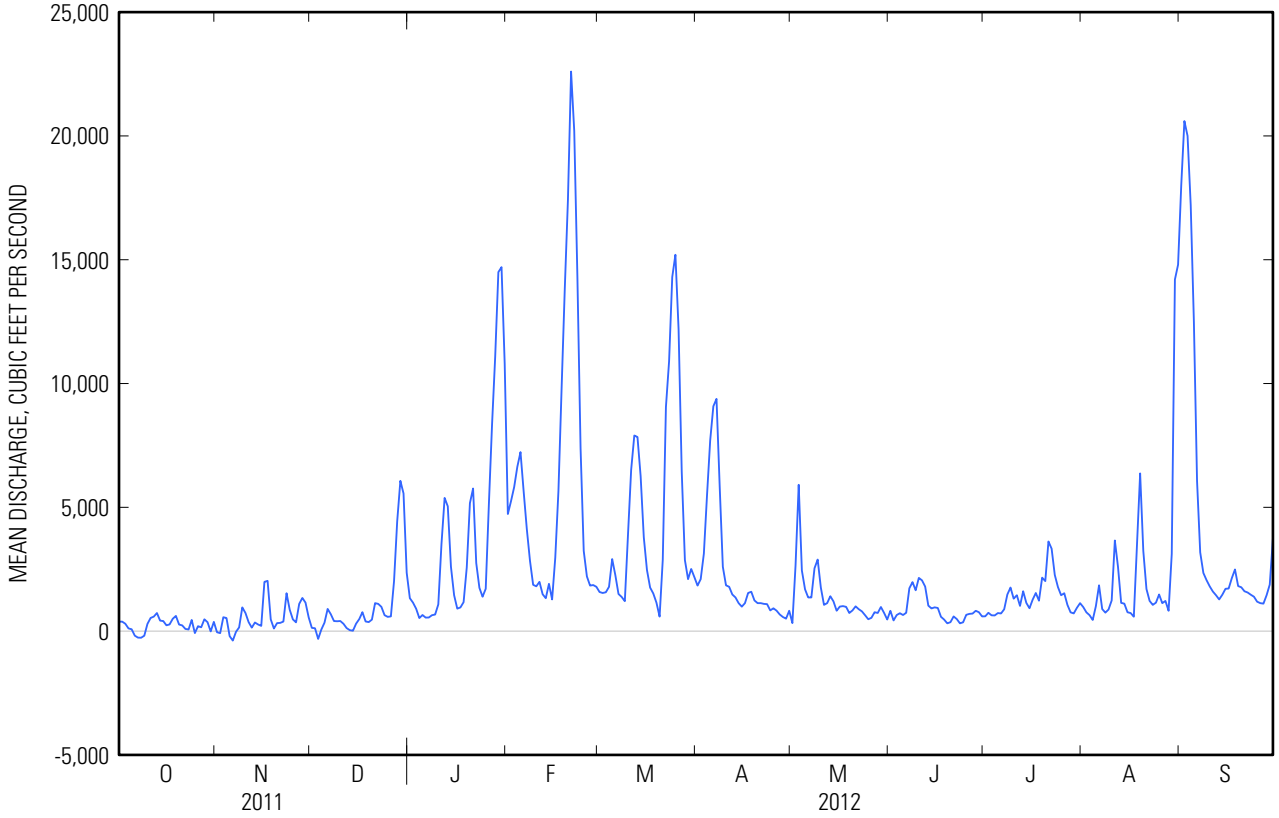

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.51	1.73	1.15	1.31	2.14	1.58	1.64	1.77	0.97	1.86	1.05	8.75
2	1.70	2.07	1.41	0.71	2.27	1.37	1.82	2.67	1.20	1.64	1.04	8.88
3	1.69	1.98	1.99	0.27	2.48	1.31	2.21	3.63	1.34	1.61	1.27	8.57
4	1.61	1.28	2.33	0.40	2.67	1.18	2.89	2.97	1.24	1.72	1.61	7.80
5	1.66	1.48	2.40	0.59	2.64	0.83	3.18	2.55	0.98	1.72	1.94	6.62
6	1.89	2.21	2.00	0.67	2.26	1.06	3.15	2.36	1.03	1.59	1.95	5.11
7	2.35	2.51	1.22	0.93	1.95	1.96	3.17	2.33	1.42	1.74	1.89	4.07
8	2.68	2.49	0.97	1.14	1.64	2.39	2.76	2.39	1.91	1.85	1.86	3.52
9	3.02	2.38	1.06	1.33	1.66	2.29	2.16	2.33	2.45	1.67	1.72	3.17
10	3.17	1.80	1.08	1.57	1.57	2.62	1.94	2.15	2.73	1.58	1.51	2.93
11	2.76	1.42	1.28	1.37	1.10	3.08	1.85	2.26	2.40	1.50	1.78	2.79
12	2.39	1.49	1.44	1.39	0.82	3.47	2.11	2.50	1.84	1.60	1.79	2.90
13	2.05	1.67	1.60	1.18	1.30	3.43	2.29	2.03	1.43	1.86	1.74	3.29
14	1.79	1.79	1.67	0.65	1.54	3.01	2.34	1.51	1.41	1.93	1.42	3.32
15	1.77	1.98	1.75	0.43	1.74	2.47	2.59	1.76	1.66	2.15	1.17	3.13
16	1.85	2.10	1.75	0.77	2.08	2.05	2.71	1.80	2.28	2.20	1.33	2.88
17	1.95	1.84	1.53	1.10	2.27	1.86	2.61	1.74	2.68	2.07	1.56	2.96
18	2.03	1.98	1.50	1.23	3.18	1.93	2.32	1.65	2.89	2.03	2.03	2.76
19	1.24	2.39	1.65	1.57	4.37	2.10	2.09	1.77	2.98	2.22	2.65	2.49
20	0.92	2.39	1.82	1.95	5.06	2.58	2.00	1.86	2.96	2.18	2.18	2.46
21	0.87	2.16	1.96	1.97	6.06	3.42	1.88	1.65	2.89	2.34	2.16	2.34
22	1.05	2.15	2.05	1.60	5.87	4.30	1.52	1.36	2.82	2.37	2.19	2.20
23	1.28	2.07	2.06	1.54	4.58	4.51	1.15	1.38	2.92	2.42	2.23	1.98
24	1.34	2.06	2.06	1.70	2.62	4.89	0.93	1.48	3.10	2.33	2.20	1.87
25	1.52	2.21	2.09	2.10	1.56	4.90	0.85	1.65	3.24	1.80	2.26	1.95
26	1.75	2.44	2.11	2.46	1.82	4.19	0.85	1.69	3.16	1.52	2.43	2.23
27	1.79	2.29	1.49	2.47	2.40	2.84	0.99	1.57	2.90	1.42	2.39	2.35
28	1.69	1.49	1.43	2.71	2.39	2.10	1.25	1.49	2.82	1.37	2.50	2.29
29	1.42	0.61	1.91	3.41	1.94	2.01	1.66	1.16	2.36	1.40	4.44	2.25
30	1.74	0.59	1.95	3.74	---	2.14	1.72	0.54	2.02	1.29	7.69	2.59
31	1.88	---	1.46	3.12	---	1.97	---	0.94	---	1.13	8.46	---
Max	3.17	2.51	2.40	3.74	6.06	4.90	3.18	3.63	3.24	2.42	8.46	8.88
Min	0.87	0.59	0.97	0.27	0.82	0.83	0.85	0.54	0.97	1.13	1.04	1.87