



Water-Data Report 2009

07375500 TANGIPAHOA RIVER AT ROBERT, LA

Lake Maurepas Basin
Tangipahoa Subbasin

LOCATION.--Lat 30°30'23", long 90°21'42" referenced to North American Datum of 1927, in sec.40, T.6 S., R.8 E., Tangipahoa Parish, LA, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappelpeela Creek, and 6.0 mi east of Hammond.

DRAINAGE AREA.--646.00 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6.60 ft above NAVD 88. Prior to Oct. 1, 2001, datum of gage is 6.87 ft, above NGVD of 1929. Prior to Nov. 25, 1939, non-recording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--71 years, 1148 ft³/s, 831,726 acre-ft/yr.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1921 reached a stage of 27.1 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 30	1830	*22,400	*20.23
No other peak greater than base discharge			

Minimum discharge, 311 ft³/s, July 5, Sept. 4, gage height, 6.28 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	430	343	1,050	928	453	450	6,570	448	413	339	442	345
2	420	341	682	755	469	454	2,580	439	418	329	447	331
3	411	340	513	758	506	444	1,770	435	492	330	728	321
4	402	338	460	1,280	506	431	1,580	450	443	325	653	318
5	395	333	454	1,540	475	422	1,320	1,290	428	318	492	320
6	391	332	489	1,460	454	418	1,100	1,970	408	351	421	340
7	501	331	451	2,980	440	412	958	1,160	395	403	395	400
8	1,140	334	420	3,950	432	409	860	815	386	358	380	383
9	573	340	404	2,700	426	414	784	678	380	373	374	379
10	463	338	440	1,470	422	408	735	603	374	347	367	354
11	424	332	886	1,720	421	402	694	559	370	335	361	360
12	405	334	1,970	2,560	422	398	661	542	366	386	368	421
13	395	344	2,710	1,790	421	403	859	522	363	455	398	528
14	393	359	2,560	1,200	771	423	1,830	520	358	445	466	547
15	395	360	1,620	968	1,570	561	2,360	510	351	395	430	650
16	386	352	1,290	854	1,050	1,200	2,710	494	350	361	393	537
17	379	351	982	780	813	2,100	1,470	481	347	356	391	436
18	378	346	834	732	679	1,990	932	494	342	388	398	395
19	374	342	750	680	618	1,280	817	475	338	401	480	381
20	371	340	682	610	575	881	828	458	335	367	413	365
21	365	334	635	575	543	712	758	445	337	348	410	362
22	362	337	605	546	519	609	673	442	330	347	431	354
23	362	337	580	522	508	555	613	460	328	345	392	474
24	364	333	560	511	496	518	571	450	330	370	363	1,160
25	361	344	741	503	476	495	542	453	336	367	348	2,210
26	357	348	845	e498	460	689	518	627	332	344	337	1,160
27	349	345	723	483	453	3,660	501	610	329	344	332	950
28	347	336	693	480	446	7,990	487	530	342	352	327	760
29	349	346	2,110	476	---	15,400	468	489	340	418	328	590
30	349	584	1,940	471	---	21,400	458	465	349	470	334	499
31	345	---	1,430	462	---	16,200	---	433	---	458	335	---
Total	12,936	10,474	30,509	35,242	15,824	82,128	37,007	18,747	11,010	11,525	12,734	16,630
Mean	417	349	984	1,137	565	2,649	1,234	605	367	372	411	554
Max	1,140	584	2,710	3,950	1,570	21,400	6,570	1,970	492	470	728	2,210
Min	345	331	404	462	421	398	458	433	328	318	327	318
Cfsm	0.65	0.54	1.52	1.76	0.87	4.10	1.91	0.94	0.57	0.58	0.64	0.86
In.	0.74	0.60	1.76	2.03	0.91	4.73	2.13	1.08	0.63	0.66	0.73	0.96

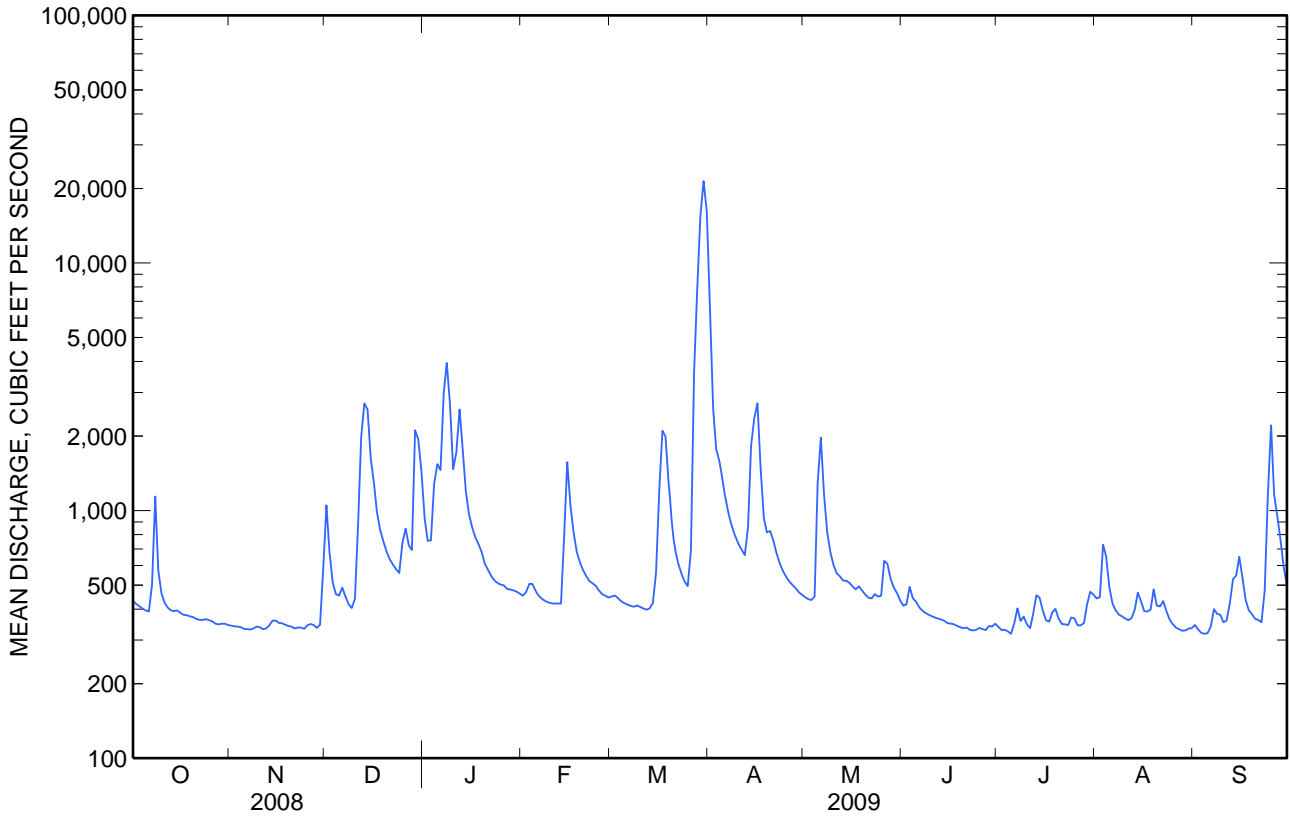
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	607	758	1,235	1,585	1,957	1,806	1,683	1,148	835	788	697	729
Max	3,107	3,122	4,534	5,205	7,611	5,106	8,813	4,689	2,746	3,371	2,114	3,021
(WY)	(2003)	(1949)	(1962)	(1998)	(1966)	(1943)	(1983)	(1953)	(1975)	(2003)	(1983)	(1971)
Min	259	283	315	381	410	438	418	303	296	271	268	310
(WY)	(2001)	(2000)	(1940)	(1940)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1939 - 2009	
Annual total	315,852		294,766			
Annual mean	863		808		1,148	
Highest annual mean					2,258	1983
Lowest annual mean					366	2000
Highest daily mean	8,290	May 16	21,400	Mar 30	78,500	Apr 7, 1983
Lowest daily mean	312	Aug 10	318	Jul 5	233	Sep 7, 2000
Annual seven-day minimum	323	Aug 5	329	Aug 30	238	Sep 1, 2000
Maximum peak flow			22,400	Mar 30	85,000	Apr 7, 1983
Maximum peak stage			20.23	Mar 30	25.87	Apr 7, 1983
Instantaneous low flow			311	Sep 4	232	Sep 7, 2000
Annual runoff (cfsm)	1.34		1.25		1.78	
Annual runoff (inches)	18.19		16.97		24.14	
10 percent exceeds	1,650		1,290		2,040	
50 percent exceeds	487		445		633	
90 percent exceeds	342		338		375	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.83	6.44	8.81	8.49	6.93	6.92	16.03	7.36	6.89	6.50	6.90	6.44
2	6.79	6.43	7.76	7.99	6.99	6.93	12.25	7.32	6.91	6.45	6.92	6.38
3	6.75	6.42	7.17	7.99	7.15	6.89	10.80	7.30	7.20	6.45	7.91	6.33
4	6.71	6.41	6.96	9.40	7.14	6.84	10.41	7.37	7.01	6.43	7.67	6.32
5	6.68	6.39	6.93	10.01	7.02	6.80	9.84	9.70	6.95	6.39	7.10	6.32
6	6.66	6.38	7.08	9.84	6.93	6.78	9.33	11.03	6.87	6.54	6.80	6.42
7	7.05	6.38	6.92	12.76	6.87	6.75	8.99	9.16	6.81	6.78	6.69	6.70
8	9.02	6.39	6.79	14.15	6.84	6.74	8.73	8.25	6.77	6.58	6.61	6.62
9	7.39	6.42	6.72	12.30	6.81	6.76	8.52	7.85	6.74	6.64	6.58	6.60
10	6.97	6.41	6.87	9.86	6.80	6.74	8.38	7.61	6.71	6.52	6.55	6.49
11	6.80	6.38	8.31	10.40	6.79	6.71	8.25	7.46	6.69	6.45	6.52	6.51
12	6.72	6.39	10.94	12.13	6.79	6.69	8.15	7.39	6.67	6.70	6.55	6.79
13	6.68	6.44	12.38	10.57	6.79	6.71	8.70	7.32	6.65	6.99	6.69	7.23
14	6.67	6.51	12.11	9.19	7.93	6.80	10.91	7.31	6.63	6.94	6.98	7.30
15	6.68	6.52	10.20	8.61	10.09	7.34	11.92	7.27	6.60	6.72	6.83	7.66
16	6.63	6.48	9.43	8.28	8.82	9.15	12.51	7.22	6.58	6.57	6.67	7.26
17	6.61	6.48	8.64	8.06	8.16	11.23	10.14	7.16	6.56	6.55	6.66	6.86
18	6.60	6.45	8.22	7.92	7.75	11.00	8.92	7.22	6.54	6.69	6.69	6.68
19	6.58	6.43	7.97	7.76	7.56	9.40	8.61	7.14	6.52	6.75	7.04	6.61
20	6.57	6.42	7.76	7.53	7.40	8.36	8.64	7.07	6.51	6.59	6.76	6.54
21	6.54	6.39	7.61	7.40	7.29	7.85	8.44	7.02	6.51	6.50	6.74	6.52
22	6.52	6.41	7.51	7.30	7.19	7.53	8.19	7.00	6.47	6.49	6.83	6.49
23	6.53	6.41	7.42	7.21	7.15	7.33	7.99	7.08	6.47	6.49	6.66	6.98
24	6.53	6.39	7.35	7.16	7.11	7.19	7.84	7.04	6.47	6.60	6.53	9.00
25	6.52	6.44	7.94	7.13	7.03	7.10	7.73	7.05	6.50	6.58	6.46	11.46
26	6.50	6.46	8.26	---	6.96	7.75	7.64	7.67	6.48	6.47	6.41	9.10
27	6.46	6.45	7.89	7.05	6.93	13.44	7.58	7.63	6.46	6.47	6.38	8.56
28	6.46	6.40	7.79	7.04	6.90	16.89	7.52	7.35	6.52	6.51	6.36	8.00
29	6.46	6.45	11.24	7.03	---	18.90	7.44	7.20	6.51	6.80	6.36	7.45
30	6.46	7.34	10.89	7.00	---	20.06	7.40	7.10	6.55	7.02	6.39	7.12
31	6.44	---	9.77	6.97	---	19.04	---	6.97	---	6.97	6.40	---
Max	9.02	7.34	12.38	---	10.09	20.06	16.03	11.03	7.20	7.02	7.91	11.46
Min	6.44	6.38	6.72	---	6.79	6.69	7.40	6.97	6.46	6.39	6.36	6.32