Water-Data Report 2010

08012150 Mermentau River At Mermentau, LA

Calcasieu-Mermentau Basin
Mermentau Subbasin

LOCATION.--Lat 30°11'24.0", long 92°35'26.0" referenced to North American Datum of 1983, in sec.14, T.10 S., R.2 W., Jefferson Davis Parish, LA, Hydrologic Unit 08080202, 2 mile south of junction of Bayou Nezpique, 300 feet north of Southern Pacific Transportation Company railroad bridge, at U. S. Highway 90 bridge between Silverwood and Mermentau.

DRAINAGE AREA.--1381 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1984 to current year. August 1941 to September 1984 (gage height only), in files of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder and acoustic doppler. Datum of gage is 0.58 ft below NGVD 1929. Prior to October 1984, datum of gage is Mean Low Gulf (MLG).

REMARKS.--No estimated daily discharge. Site affected by wind and tide at medium and low stages. Reverse flow at times during the year. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 47,600 ft^3/s, May 18, 2004; maximum gage height, 10.97 ft, Nov 2, 1985; maximum negative discharge, -11,500 ft^3/s, Dec. 31, 1984; minimum gage height, -0.77 ft, Sep 24, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft, August 1940; minimum gage height, -0.94 ft, July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 12,800 ft^3/s, Dec. 19; maximum gage height, 4.55 ft, Dec. 19; maximum negative discharge, -3,940 ft^3/s, Apr. 6; minimum gage height, 0.76 ft, May 8.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-315	9,150	3,200	5,120	---	---	-915	-1,280	---	2,750	-20	---
2	1,010	9,440	4,610	3,010	---	---	-1,070	74	---	1,850	212	---
3	815	9,180	5,160	2,720	---	---	-91	231	---	2,020	205	---
4	-156	7,000	3,870	2,660	---	3,560	-633	632	---	2,860	6.4	---
5	4,060	5,550	2,870	2,010	---	3,830	-1,050	-360	---	3,260	866	---
6	4,990	4,590	2,390	1,730	---	3,660	-1,450	-358	---	3,250	1,490	---
7	5,960	3,950	2,370	2,220	---	3,120	-604	-1,030	---	3,360	443	---
8	4,980	3,450	4,420	1,720	---	2,520	1,490	894	---	2,700	116	---
9	3,200	2,630	6,200	750	---	2,190	398	844	---	2,820	-41	---
10	3,710	1,920	5,730	451	---	1,080	293	-834	---	2,260	-60	---
11	3,550	1,210	3,800	408	---	1,400	782	-1,450	---	974	21	---
12	3,830	439	5,410	576	---	1,870	883	-1,350	---	342	-451	---
13	4,280	356	6,940	433	---	1,040	287	-591	---	461	-294	---
14	4,050	564	6,830	305	---	891	316	-351	---	1,160	-742	207
15	4,030	344	9,010	593	---	1,210	306	584	---	1,070	-455	229
16	7,010	1,050	11,000	546	7,840	1,280	422	1,520	---	1,000	195	-214
17	8,090	863	10,600	1,670	7,210	823	493	1,910	---	1,130	207	148
18	6,490	206	11,700	1,400	6,290	809	653	1,330	---	1,540	3,380	246
19	4,810	-255	12,100	1,480	5,700	515	1,290	318	---	3,060	5,610	-108
20	4,260	567	10,800	1,230	---	118	1,420	---	---	2,860	---	-125
21	3,550	1,310	8,820	2,020	---	1,220	1,190	---	---	3,150	---	-528
22	3,400	4,200	7,460	1,880	---	579	339	---	-502	3,060	---	-710
23	5,990	4,520	6,200	1,490	---	-11	-942	---	-64	2,740	---	-518
24	5,940	4,000	6,110	2,320	---	311	-369	---	266	2,390	1,650	131
25	4,190	4,950	8,580	2,110	---	847	584	---	164	1,730	1,770	-265
26	3,260	5,350	6,940	1,710	---	1,370	65	---	72	769	1,690	409
27	4,130	4,540	5,410	---	---	139	1,050	---	265	768	846	760
28	3,930	4,080	5,050	---	---	1,700	66	---	420	1,560	---	-77
29	2,390	3,380	4,170	---	---	898	-957	---	1,030	1,120	---	104
30	5,020	3,610	3,720	---	---	-24	-939	---	1,830	759	---	247
31	8,180	---	5,480	---	---	-852	---	---	---	467	---	---
Total	128,634	102,144	196,950	---	---	---	3,307	---	---	59,240	---	---
Mean	4,149	3,405	6,353	---	---	---	110	---	---	1,911	---	---

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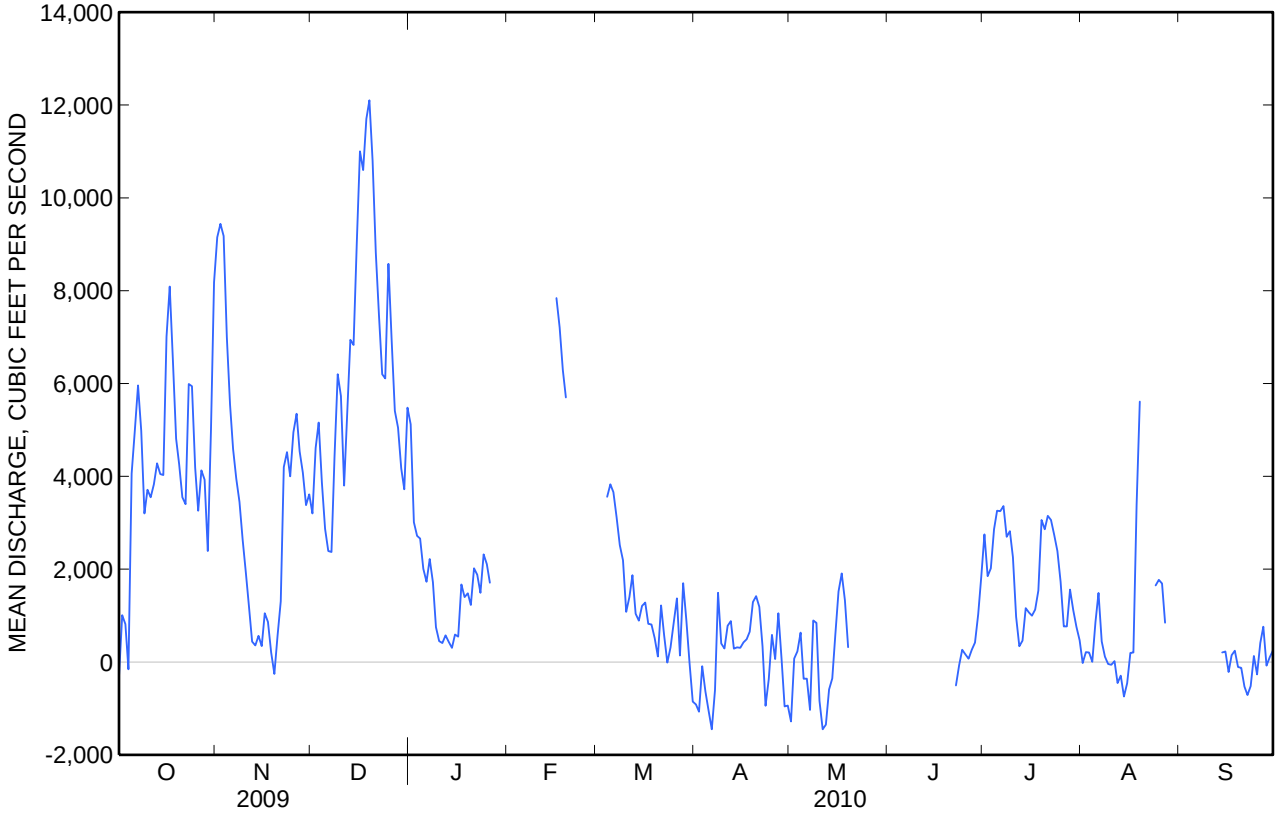

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.68	4.08	2.77	3.36	2.12	---	1.71	1.86	1.63	1.92	2.14	---
2	2.71	4.10	3.06	3.22	2.17	---	1.88	1.61	1.66	1.98	2.11	---
3	2.71	4.07	3.00	3.11	2.19	---	1.80	1.35	1.73	2.01	2.09	---
4	2.87	3.87	2.84	2.98	2.63	2.39	1.71	1.23	1.88	2.07	2.07	---
5	3.16	3.67	2.79	2.83	3.23	2.38	1.76	1.28	1.90	2.04	2.08	---
6	3.34	3.56	2.83	2.82	3.34	2.30	1.88	1.30	1.94	2.11	2.14	---
7	3.41	3.49	3.02	2.74	3.27	2.26	1.86	1.37	2.00	2.27	2.14	---
8	3.44	3.40	3.40	2.37	3.16	2.30	1.41	1.04	2.24	2.24	2.15	---
9	3.44	3.30	3.56	2.33	3.20	2.33	1.44	1.09	2.31	2.21	2.12	---
10	3.27	3.14	3.36	2.36	3.10	2.34	1.51	1.32	2.28	2.15	2.10	---
11	3.15	3.06	3.23	2.34	2.94	2.28	1.46	1.39	2.29	2.16	2.06	---
12	3.23	3.02	3.50	2.23	3.05	2.16	1.45	1.53	2.23	2.17	2.06	---
13	3.25	3.03	3.68	2.15	3.21	2.08	1.51	1.48	2.13	2.17	2.08	---
14	3.30	3.00	3.66	2.14	3.21	2.02	1.52	1.33	2.05	2.11	2.11	2.07
15	3.34	2.99	3.95	2.07	3.01	1.88	1.59	1.34	2.02	2.03	2.05	2.06
16	3.38	2.92	4.17	2.28	2.92	1.83	1.57	1.48	1.97	1.99	1.98	2.07
17	3.42	2.70	4.23	2.39	2.80	1.75	1.48	1.50	1.96	2.00	2.00	2.04
18	3.33	2.68	4.44	2.40	2.69	1.71	1.39	1.51	1.94	2.09	2.29	2.02
19	3.21	2.68	4.53	2.44	2.61	1.76	1.37	1.62	1.88	2.20	2.52	2.03
20	3.17	2.68	4.41	2.47	---	1.86	1.36	1.67	1.83	2.23	2.57	2.02
21	3.14	2.68	4.18	2.52	---	1.50	1.43	1.59	1.78	2.30	2.52	2.06
22	3.32	3.00	3.98	2.37	---	1.46	1.55	1.59	1.76	2.35	2.40	2.13
23	3.49	3.07	3.83	2.49	---	1.57	1.84	1.62	1.80	2.36	2.31	2.09
24	3.45	3.04	4.03	2.47	---	1.62	1.78	1.56	1.72	2.28	2.25	2.01
25	3.38	3.01	4.03	2.31	---	1.69	1.51	1.45	1.71	2.20	2.17	1.98
26	3.36	2.96	3.80	2.21	---	1.51	1.35	1.42	1.70	2.26	2.07	1.97
27	3.47	2.93	3.58	2.24	---	1.78	1.19	1.46	1.69	2.38	2.02	1.84
28	3.46	2.91	3.39	2.24	---	1.56	1.32	1.48	1.73	2.37	---	1.92
29	3.62	2.90	3.31	2.33	---	1.48	1.52	1.46	1.71	2.35	---	1.91
30	3.73	2.83	3.39	2.01	---	1.62	1.81	1.52	1.77	2.27	---	1.85
31	4.00	---	3.55	1.97	---	1.69	---	1.61	---	2.18	---	---
Max	4.00	4.10	4.53	3.36	---	---	1.88	1.86	2.31	2.38	---	---
Min	2.68	2.68	2.77	1.97	---	---	1.19	1.04	1.63	1.92	---	---