Water-Data Report 2013

07383500 Bayou Des Glaises diversion channel at Moreauville, LA

Atchafalaya-Vermilion Basin
Bayou Teche Subbasin

LOCATION.--Lat 31°01′59″, long 91°58′57″ referenced to North American Datum of 1927, in NE ¼ sec.29, T.1 N., R.5 E., Avoyelles Parish, LA, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270.00 mi^2, (See REMARKS).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above NGVD of 1929 (levels by Louisiana Department of Transportation and Development). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good, except for periods of estimated record, which are poor. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates on Bayou des Glaises 2.5 mi east of Bordelonville, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Satellite telemetry at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--70 years (1944 to current), 428 ft^3/s, 310,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft^3/s, May 18, 1953, gage height, 22.68 ft, present datum; minimum, 1.8 ft^3/s, June 21, Aug. 21,22, 2011.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,490 ft^3/s, Jan. 10, gage height, 21.11 ft; minimum discharge, 2.2 ft^3/s, Nov. 8, gage height, 2.80 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 07383500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07383500.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	399	5.3	20	e1,200	1,350	1,220	105	201	300	81	125	78
2	545	4.6	24	1,370	1,280	e1,160	141	565	274	65	134	68
3	389	4.2	15	1,190	e1,220	e1,100	296	744	233	46	109	57
4	199	4.1	14	1,180	e1,150	e1,030	632	668	176	46	85	55
5	112	3.6	15	1,170	e1,090	977	646	591	165	56	78	38
6	68	3.1	30	1,200	e1,040	914	612	456	153	53	56	31
7	46	2.8	27	1,170	e991	853	504	301	171	50	40	36
8	35	2.7	18	1,110	941	795	362	199	283	55	38	33
9	30	3.2	18	1,220	889	739	259	163	289	50	44	31
10	24	3.4	19	2,170	e910	696	205	e793	379	47	47	34
11	17	3.9	29	2,230	1,240	936	244	961	471	37	46	35
12	20	5.7	57	1,930	1,360	832	476	e890	396	30	42	38
13	21	4.9	65	1,930	1,280	782	597	877	300	34	42	39
14	20	4.6	51	1,880	1,270	745	551	901	218	32	42	38
15	20	4.7	38	1,940	1,230	701	493	907	159	37	166	38
16	13	4.7	38	2,110	1,220	649	370	892	123	77	443	39
17	9.6	5.0	147	2,100	1,200	520	300	851	104	93	388	39
18	15	5.1	331	2,030	1,180	370	253	790	91	87	252	40
19	17	5.0	270	2,020	1,430	265	327	729	86	103	152	36
20	12	5.1	150	2,000	1,350	191	460	668	348	204	101	35
21	8.3	5.3	88	1,990	1,250	152	401	550	512	170	95	220
22	5.4	5.3	62	1,960	1,300	135	290	820	466	103	168	574
23	4.0	5.3	52	1,930	1,310	129	214	861	354	81	158	584
24	3.5	5.2	45	1,890	1,300	132	219	813	245	78	135	560
25	3.3	5.2	100	1,830	1,310	120	304	802	165	66	105	496
26	3.4	5.9	443	1,780	1,420	98	273	786	145	55	83	405
27	3.2	6.3	558	1,720	1,340	93	225	752	165	71	81	285
28	4.3	6.4	e768	1,650	1,280	90	184	704	141	80	77	170
29	7.6	7.1	980	1,570	---	98	159	637	109	84	68	111
30	6.9	7.7	e838	1,500	---	119	151	501	91	111	66	98
31	5.8	---	792	1,420	---	116	---	372	---	125	64	---
Total	2,067.3	145.4	6,102	52,390	34,131	16,757	10,253	20,745	7,112	2,307	3,530	4,341
Mean	66.7	4.85	197	1,690	1,219	541	342	669	237	74.4	114	145
Max	545	7.7	980	2,230	1,430	1,220	646	961	512	204	443	584
Min	3.2	2.7	14	1,110	889	90	105	163	86	30	38	31
Ac-ft	4,100	288	12,100	103,900	67,700	33,240	20,340	41,150	14,110	4,580	7,000	8,610

	Calendar Year 2012	Water Year 2013
Total	149,220.7	159,880.7
Mean	408	438
Max	2,470	2,230
Min	2.7	2.7
Ac-ft	296,000	317,100

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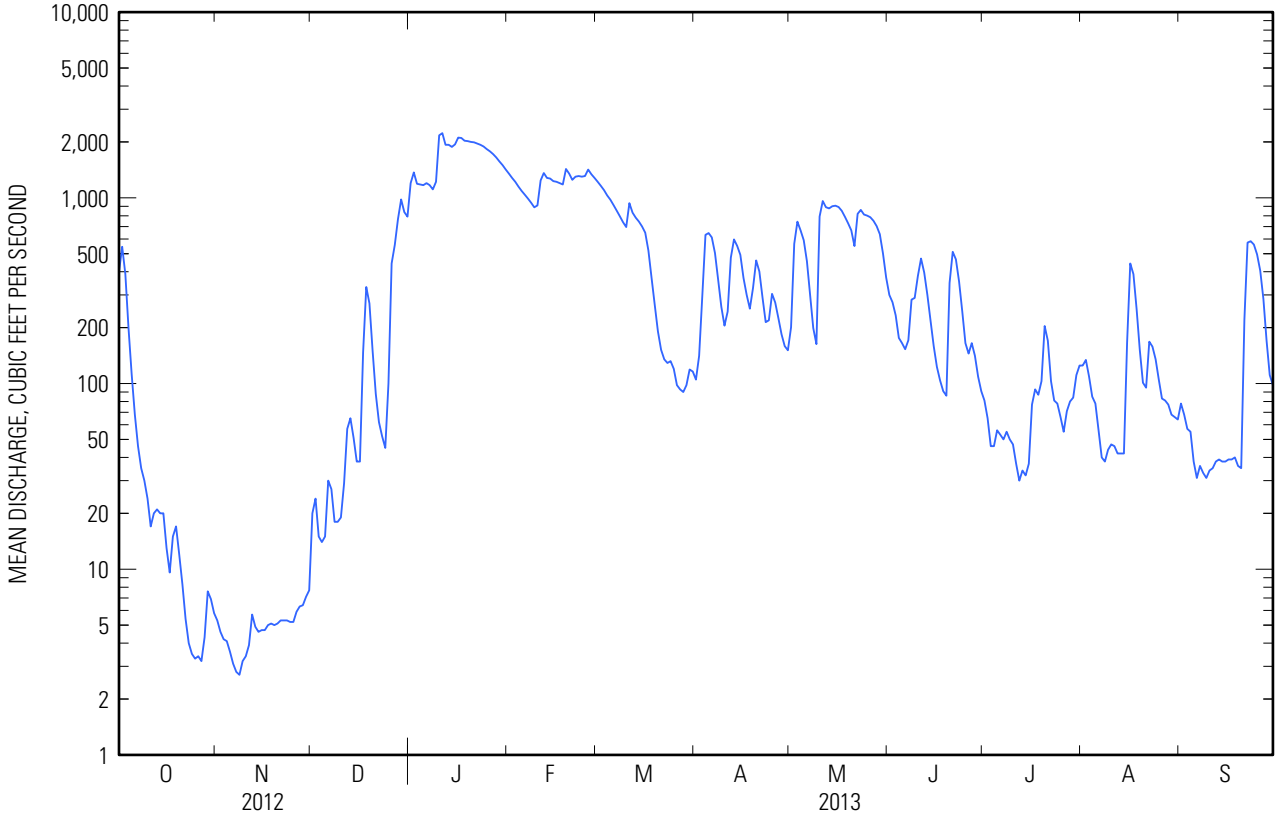

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.43	2.89	3.23	11.10	10.76	10.12	3.91	4.38	4.71	3.73	3.98	3.71
2	6.13	2.87	3.33	13.50	10.42	9.81	4.09	6.27	4.60	3.62	4.03	3.64
3	5.38	2.86	3.18	10.88	10.11	9.46	4.76	7.44	4.47	3.47	3.89	3.56
4	4.55	2.86	3.16	9.93	9.70	9.13	6.73	6.96	4.25	3.47	3.75	3.54
5	4.06	2.84	3.18	9.86	9.37	8.82	6.81	6.45	4.20	3.56	3.71	3.39
6	3.74	2.82	3.40	10.01	9.08	8.46	6.59	5.54	4.15	3.53	3.55	3.33
7	3.54	2.81	3.36	9.88	8.90	8.10	5.86	4.73	4.22	3.51	3.41	3.37
8	3.41	2.83	3.23	9.63	8.62	7.76	5.01	4.34	4.64	3.55	3.40	3.35
9	3.34	2.84	3.23	10.57	8.32	7.41	4.56	4.20	4.67	3.50	3.45	3.32
10	3.26	2.85	3.25	19.80	8.48	7.14	4.36	9.48	5.10	3.48	3.48	3.35
11	3.15	2.87	3.40	20.60	12.00	8.58	4.50	10.15	5.63	3.39	3.48	3.36
12	3.20	2.95	3.69	19.55	13.94	7.98	5.71	8.49	5.18	3.32	3.44	3.39
13	3.21	2.92	3.75	18.63	11.98	7.68	6.49	8.25	4.72	3.35	3.43	3.40
14	3.19	2.91	3.63	18.21	10.62	7.45	6.19	8.38	4.41	3.33	3.44	3.39
15	3.19	2.92	3.50	18.31	10.19	7.17	5.78	8.42	4.18	3.39	4.09	3.39
16	3.07	2.91	3.50	18.85	10.12	6.83	5.05	8.34	4.01	3.70	5.43	3.41
17	3.00	2.92	4.17	18.09	10.04	5.97	4.71	8.09	3.91	3.80	5.12	3.40
18	3.12	2.93	4.90	16.94	9.98	5.05	4.53	7.72	3.83	3.77	4.51	3.41
19	3.14	2.92	4.66	15.95	12.48	4.58	4.84	7.35	3.79	3.86	4.12	3.38
20	3.05	2.93	4.21	15.21	11.10	4.31	5.55	6.96	4.99	4.33	3.85	3.36
21	2.97	2.94	3.90	14.68	10.30	4.15	5.21	6.17	5.91	4.19	3.81	4.41
22	2.89	2.93	3.73	14.23	10.52	4.07	4.67	7.87	5.59	3.86	4.19	6.33
23	2.85	2.94	3.64	13.86	10.58	4.04	4.40	8.15	4.95	3.73	4.15	6.40
24	2.83	2.93	3.58	13.55	10.51	4.06	4.41	7.86	4.48	3.71	4.03	6.25
25	2.82	2.93	3.87	13.22	10.60	4.00	4.72	7.80	4.17	3.63	3.87	5.80
26	2.83	2.95	5.49	12.90	11.14	3.87	4.60	7.70	4.09	3.55	3.74	5.22
27	2.82	2.96	6.23	12.56	10.72	3.85	4.44	7.49	4.17	3.66	3.73	4.64
28	2.86	2.97	8.34	12.21	10.42	3.82	4.28	7.19	4.06	3.72	3.70	4.19
29	2.95	2.99	10.64	11.83	---	3.88	4.18	6.76	3.90	3.75	3.64	3.91
30	2.94	3.00	8.36	11.51	---	3.99	4.14	5.84	3.79	3.90	3.63	3.83
31	2.91	---	7.74	11.14	---	3.97	---	5.05	---	3.98	3.61	---
Max	6.13	3.00	10.64	20.60	13.94	10.12	6.81	10.15	5.91	4.33	5.43	6.40
Min	2.82	2.81	3.16	9.63	8.32	3.82	3.91	4.20	3.79	3.32	3.40	3.32