08014500 Whiskey Chitto Creek Near Oberlin, LA

Calcasieu-Mermentau Basin
Whisky Chitto Subbasin

LOCATION.--Lat 30°41'55.5", long 92°53'35.5" referenced to North American Datum of 1983, in NE ¼ NE ¼ sec.20, T.4 S., R.5 W., Allen Parish, LA, Hydrologic Unit 08080204, at bridge on State Highway 26, 1 mile downstream from Tenmile Creek, 8 mile upstream from Bundick Creek, and 10 mile northwest of Oberlin.

DRAINAGE AREA.--510.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORDS.--WDR LA-84-1: 1983(M).

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above NGVD 1929. Prior to October 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of estimated record which are poor. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 22	0300	9,520	18.82
Oct 28	0400	4,670	14.25
Jan 02	1030	*9,800	*19.00
Jan 08	1300	5,470	15.17

Minimum discharge, 95.6 ft^3/s, Oct 8, gage height, 1.91 ft.

08014500 Whiskey Chitto Creek Near Oberlin, LA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	117	1,700	311	5,660	1,020	470	371	427	323	203	379	125
2	112	991	312	9,160	1,390	445	1,470	380	320	197	286	124
3	109	794	295	6,980	1,570	494	1,960	355	317	203	284	120
4	106	669	282	4,340	1,390	494	e1,600	346	298	200	258	119
5	105	587	273	4,650	988	441	e1,400	343	294	210	205	120
6	103	539	268	4,410	813	404	e1,200	592	415	384	175	120
7	101	539	262	4,550	728	383	e1,100	516	365	1,220	159	133
8	99.3	700	258	5,350	675	372	e1,000	405	285	1,450	152	142
9	98.3	882	256	4,530	642	364	e900	351	246	1,040	145	163
10	99.5	697	255	2,880	612	357	e800	319	228	627	141	140
11	104	563	253	1,550	588	352	740	302	220	392	138	132
12	104	500	254	1,110	565	350	786	293	218	290	134	124
13	109	474	255	964	1,250	352	686	283	217	230	131	178
14	116	460	e275	884	1,880	404	558	272	213	211	128	871
15	116	437	e300	889	1,950	693	501	264	244	205	126	1,700
16	125	406	e350	1,320	1,890	979	578	262	281	262	124	2,030
17	2,660	397	409	1,720	1,390	990	594	253	285	714	125	1,560
18	3,940	400	377	1,570	849	669	486	246	296	503	128	588
19	6,570	376	346	1,240	710	513	432	242	308	301	134	271
20	8,120	354	325	1,120	636	443	408	239	413	278	147	203
21	8,240	339	318	1,590	592	408	402	235	602	430	140	169
22	8,920	328	350	2,340	566	385	375	230	469	314	133	150
23	6,750	320	e450	2,190	542	368	348	228	330	333	130	140
24	3,640	314	e600	1,870	517	353	330	229	270	264	126	135
25	1,650	308	784	1,390	543	340	323	260	232	201	122	138
26	1,080	303	867	1,050	580	328	333	293	220	177	119	232
27	3,490	298	1,010	938	595	319	746	280	217	175	118	305
28	4,560	295	801	1,530	519	310	964	271	239	199	119	253
29	3,850	292	592	1,790	---	303	756	262	238	219	122	172
30	3,740	292	1,530	1,620	---	295	509	272	216	302	120	141
31	3,190	---	3,500	1,240	---	295	---	277	---	385	122	---
Total	72,124.1	15,554	16,718	82,425	25,990	13,673	22,656	9,527	8,819	12,119	4,870	10,798
Mean	2,327	518	539	2,659	928	441	755	307	294	391	157	360
Max	8,920	1,700	3,500	9,160	1,950	990	1,960	592	602	1,450	379	2,030
Min	98.3	292	253	884	517	295	323	228	213	175	118	119
Ac-ft	143,100	30,850	33,160	163,500	51,550	27,120	44,940	18,900	17,490	24,040	9,660	21,420
Cfsm	4.56	1.02	1.06	5.21	1.82	0.86	1.48	0.60	0.58	0.77	0.31	0.71
In.	5.26	1.13	1.22	6.01	1.90	1.00	1.65	0.69	0.64	0.88	0.36	0.79

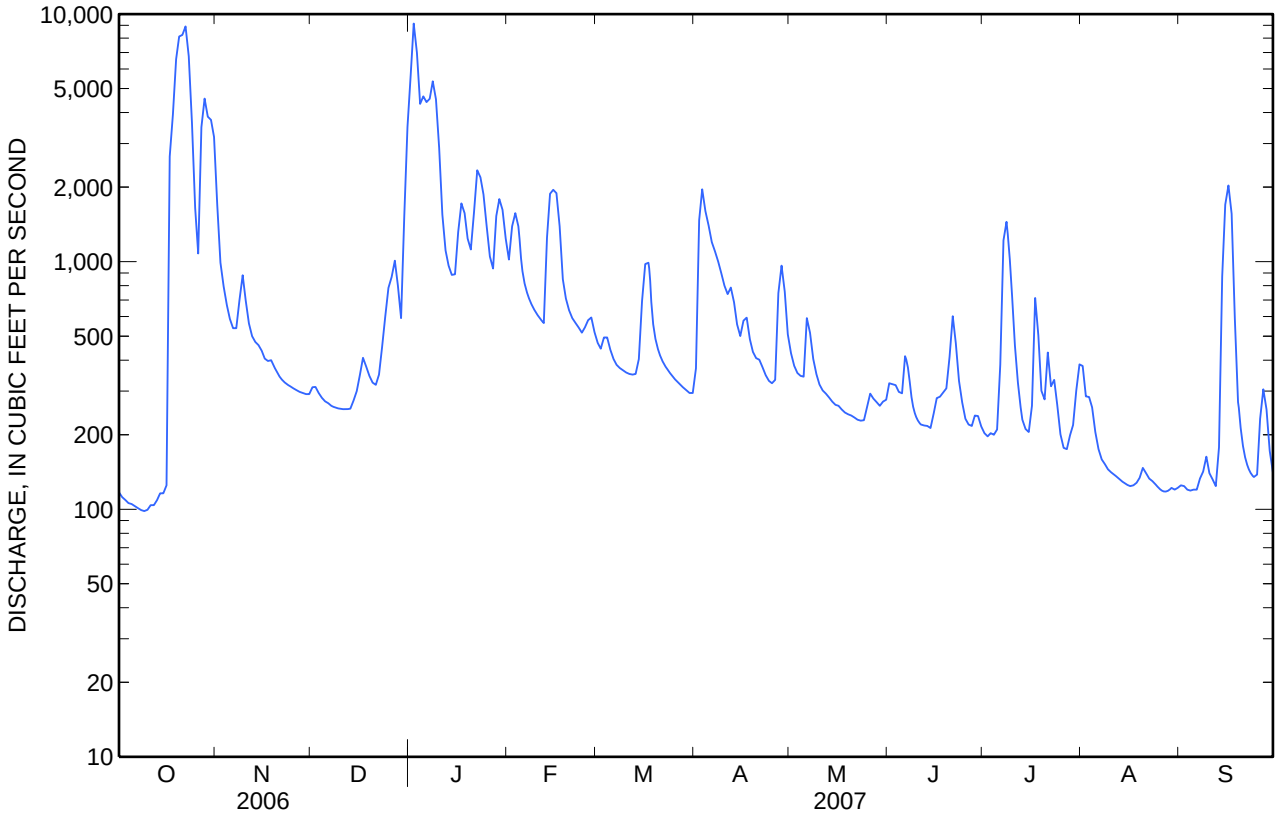
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	457	718	1,086	1,236	1,314	1,145	1,012	1,039	635	474	382	372
Max	2,877	4,128	6,076	3,781	3,326	3,354	3,630	12,090	4,192	4,063	4,264	2,314
(WY)	(1985)	(2003)	(1983)	(1974)	(1984)	(1995)	(1949)	(1953)	(1989)	(1989)	(1940)	(1958)
Min	99.1	135	144	162	148	230	228	180	141	126	106	115
(WY)	(1957)	(1955)	(1955)	(2000)	(2000)	(2000)	(1963)	(2001)	(2006)	(1970)	(2000)	(1954)

08014500 Whiskey Chitto Creek Near Oberlin, LA—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1940 - 2007	
Annual total	182,962.5		295,273.1			
Annual mean	501		809		820	
Highest annual mean					1,643	1953
Lowest annual mean					258	2000
Highest daily mean	8,920	Oct 22	9,160	Jan 2	108,000	May 19, 1953
Lowest daily mean	98.3	Oct 9	98.3	Oct 9	87.1	Sep 7, 2000
Annual seven-day minimum	101	Oct 6	101	Oct 6	89.6	Oct 14, 1956
Maximum peak flow			9,800	Jan 2	144,000	May 18, 1953
Maximum peak stage			19.00	Jan 2	32.80	May 18, 1953
Instantaneous low flow			95.6	Oct 8	86.0	Sep 6, 2000
Annual runoff (ac-ft)	362,900		585,700		594,300	
Annual runoff (cfsm)	0.983		1.59		1.61	
Annual runoff (inches)	13.35		21.54		21.86	
10 percent exceeds	873		1,670		1,800	
50 percent exceeds	215		350		364	
90 percent exceeds	109		129		162	



08014500 Whiskey Chitto Creek Near Oberlin, LA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.16	8.17	3.39	15.27	6.10	4.10	3.66	3.75	3.38	2.76	3.98	2.44
2	2.10	6.00	3.40	18.58	7.28	4.01	7.47	3.54	3.37	2.72	3.58	2.42
3	2.06	5.32	3.31	16.73	7.81	4.19	8.92	3.43	3.36	2.76	3.57	2.39
4	2.03	4.87	3.25	13.76	7.28	4.19	---	3.39	3.27	2.74	3.45	2.37
5	2.01	4.56	3.20	14.22	5.99	3.98	---	3.39	3.25	2.82	3.13	2.39
6	1.99	4.37	3.18	13.91	5.38	3.82	---	4.45	3.82	3.72	2.93	2.38
7	1.97	4.37	3.15	14.08	5.08	3.73	---	4.14	3.60	6.64	2.81	2.52
8	1.95	4.97	3.13	15.04	4.89	3.68	---	3.67	3.22	7.44	2.73	2.63
9	1.94	5.63	3.12	14.03	4.76	3.64	---	3.44	3.03	6.22	2.67	2.84
10	1.95	4.97	3.11	11.21	4.65	3.61	---	3.29	2.92	4.89	2.63	2.62
11	2.01	4.46	3.10	7.74	4.56	3.59	4.99	3.21	2.86	4.04	2.59	2.52
12	2.01	4.22	3.11	6.41	4.47	3.58	5.17	3.16	2.85	3.59	2.54	2.42
13	2.07	4.12	3.11	5.91	6.69	3.59	4.78	3.11	2.84	3.31	2.51	2.88
14	2.14	4.06	---	5.63	8.72	3.82	4.26	3.07	2.82	3.17	2.48	5.63
15	2.15	3.97	---	5.65	8.90	4.95	4.02	3.03	3.03	3.13	2.45	8.18
16	2.25	3.83	---	7.05	8.73	5.96	4.34	3.02	3.22	3.47	2.43	9.13
17	10.76	3.79	3.84	8.27	7.27	5.99	4.41	2.98	3.25	5.12	2.44	7.77
18	13.20	3.80	3.70	7.81	5.51	4.86	3.96	2.95	3.31	4.45	2.47	4.90
19	16.30	3.70	3.56	6.81	5.02	4.27	3.72	2.93	3.37	3.65	2.54	3.75
20	17.83	3.60	3.46	6.42	4.74	3.99	3.62	2.92	3.86	3.54	2.69	3.39
21	17.88	3.53	3.43	7.84	4.57	3.84	3.60	2.90	4.61	4.19	2.61	3.18
22	18.42	3.48	3.58	9.96	4.48	3.74	3.48	2.88	4.09	3.70	2.53	3.03
23	16.50	3.44	---	9.55	4.38	3.66	3.37	2.87	3.49	3.79	2.49	2.94
24	12.57	3.41	---	8.67	4.29	3.59	3.29	2.87	3.19	3.47	2.45	2.90
25	8.02	3.38	5.28	7.26	4.39	3.54	3.26	3.04	2.99	3.10	2.40	2.92
26	6.30	3.35	5.57	6.21	4.53	3.48	3.30	3.21	2.90	2.94	2.37	3.55
27	12.20	3.33	6.08	5.82	4.59	3.43	5.02	3.15	2.87	2.94	2.36	3.90
28	14.10	3.31	5.34	7.67	4.29	3.39	5.84	3.11	3.03	3.09	2.38	3.66
29	13.08	3.30	4.57	8.45	---	3.35	5.06	3.07	3.02	3.23	2.40	3.19
30	12.92	3.30	7.50	7.96	---	3.31	4.09	3.12	2.86	3.65	2.39	2.95
31	11.90	---	12.53	6.81	---	3.31	---	3.15	---	4.01	2.40	---
Max	18.42	8.17	---	18.58	8.90	5.99	---	4.45	4.61	7.44	3.98	9.13
Min	1.94	3.30	---	5.63	4.29	3.31	---	2.87	2.82	2.72	2.36	2.37