

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW ¼ SE ¼ sec. 32, T. 6 S., R. 1 W., Louisiana Meridian, Evangeline Parish, Hydrologic Unit 08080201, on left downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi²

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above NGVD of 1929 (Corps of Engineers levels). Prior to Mar. 23, 1989, nonrecording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records fair, except during periods of estimated daily discharge, which are poor. Small diversion above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.5	12	255	9.7	3,020	125	288	20	198	1.2	10	0.28
2	e4.0	368	116	11	3,770	73	224	19	110	1.1	36	0.23
3	e3.5	2,150	75	9.3	2,780	59	142	e18	71	66	45	0.19
4	e6.0	2,800	60	7.4	927	73	79	e17	46	329	43	0.13
5	19	1,890	45	7.9	209	47	72	e16	20	66	55	0.11
6	9.8	652	482	14	102	33	96	e15	20	36	35	0.10
7	24	202	1,110	75	78	30	149	e14	112	29	18	0.07
8	323	126	1,190	777	325	66	144	e13	52	333	9.5	0.08
9	1,660	86	1,420	288	494	46	130	e12	16	201	35	0.11
10	2,520	65	1,970	95	473	27	76	e11	4.9	130	451	0.09
11	3,000	116	960	65	150	21	65	e10	3.4	63	142	0.05
12	1,760	138	211	51	83	21	333	e9.0	3.0	47	50	0.03
13	530	48	97	624	236	34	246	e8.0	2.8	86	35	0.02
14	145	23	60	1,450	2,070	20	123	e7.0	2.5	96	19	0.02
15	88	17	39	504	2,130	307	84	e6.0	2.0	168	21	0.02
16	54	12	30	114	758	1,440	68	e5.0	1.8	242	31	0.02
17	24	9.5	26	64	185	723	65	e4.0	1.9	194	19	0.02
18	18	199	19	41	90	200	51	e3.0	2.0	108	14	0.02
19	20	192	14	30	58	119	83	e2.0	1.8	99	108	0.02
20	33	497	11	19	41	168	45	e1.0	1.8	123	38	0.02
21	21	843	10	17	38	191	56	e0.80	2.9	90	15	0.02
22	9.3	1,580	28	21	38	183	49	e0.60	3.2	134	173	0.02
23	6.5	3,060	230	18	171	335	58	e0.50	13	114	70	0.73
24	150	2,630	95	16	1,040	213	26	0.34	4.2	52	17	1,290
25	286	1,290	40	12	1,860	113	36	0.29	2.3	36	5.7	3,750
26	87	375	25	20	968	93	70	0.32	1.6	85	2.5	4,180
27	38	828	19	17	313	136	62	0.27	1.4	57	3.5	3,340
28	18	1,280	15	25	246	121	53	0.22	1.4	60	1.6	1,570
29	12	434	11	45	---	202	33	0.31	1.3	63	0.52	559
30	9.4	207	11	29	---	166	21	60	1.3	46	0.38	175
31	12	---	11	478	---	138	---	297	---	21	0.38	---
TOTAL	10,895.0	22,129.5	8,685	4,954.3	22,653	5,523	3,027	570.65	705.5	3,176.3	1,504.08	14,866.40
MEAN	351	738	280	160	809	178	101	18.4	23.5	102	48.5	496
MAX	3,000	3,060	1,970	1,450	3,770	1,440	333	297	198	333	451	4,180
MIN	3.5	9.5	10	7.4	38	20	21	0.22	1.3	1.1	0.38	0.02
AC-FT	21,610	43,890	17,230	9,830	44,930	10,950	6,000	1,130	1,400	6,300	2,980	29,490
CFSM	2.68	5.63	2.14	1.22	6.18	1.36	0.77	0.14	0.18	0.78	0.37	3.78
IN.	3.09	6.28	2.47	1.41	6.43	1.57	0.86	0.16	0.20	0.90	0.43	4.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	148	214	366	450	458	309	318	319	211	222	160	181
MAX	1,293	1,016	1,748	1,562	1,762	1,167	1,238	2,362	894	1,519	1,456	961
(WY)	(2003)	(2003)	(1972)	(1998)	(2004)	(1980)	(1967)	(1953)	(1942)	(1946)	(1940)	(1973)
MIN	1.11	0.35	29.1	3.35	0.79	3.86	5.02	0.42	0.43	0.81	8.29	0.65
(WY)	(1939)	(2000)	(1959)	(2000)	(2000)	(1955)	(1963)	(1943)	(1948)	(1944)	(2000)	(2000)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	208,035.4		98,689.73		279	
ANNUAL MEAN	568		270		523	
HIGHEST ANNUAL MEAN					79.4	
LOWEST ANNUAL MEAN					11,700	
HIGHEST DAILY MEAN	6,480	May 15	4,180	Sep 26	11,700	May 20, 1953
LOWEST DAILY MEAN	2.4	Aug 18	0.02	Sep 13	0.00	May 6, 1939
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 17	0.02	Sep 13	0.00	May 9, 1939
MAXIMUM PEAK FLOW			4,250	Sep 26	11,900	May 20, 1953
MAXIMUM PEAK STAGE			18.13	Sep 26	22.36	May 20, 1953
INSTANTANEOUS LOW FLOW			0.02	Many Days	0.00	Oct 1, 1939
ANNUAL RUNOFF (AC-FT)	412,600		195,800		202,000	
ANNUAL RUNOFF (CFSM)	4.34		2.06		2.13	
ANNUAL RUNOFF (INCHES)	59.08		28.02		28.92	
10 PERCENT EXCEEDS	1,960		766		752	
50 PERCENT EXCEEDS	72		46		46	
90 PERCENT EXCEEDS	8.7		1.1		3.8	

e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.63	6.62	1.51	17.00	4.58	6.61	1.68	5.85	0.85	1.92	1.04
2	---	6.73	4.41	1.56	17.74	3.47	5.61	1.68	4.29	0.84	2.83	1.02
3	---	15.85	3.53	1.50	16.71	3.11	4.24	---	3.43	2.37	3.07	1.00
4	---	16.83	3.14	1.39	12.03	3.46	2.96	---	2.78	7.34	3.01	0.96
5	1.71	15.40	2.77	1.42	5.95	2.82	2.78	---	1.96	3.51	3.28	0.94
6	1.34	10.44	8.62	1.74	4.14	2.43	3.34	---	1.91	2.87	2.82	0.93
7	1.92	5.89	13.37	2.84	3.59	2.34	4.39	---	4.33	2.64	2.26	0.90
8	6.48	4.62	13.59	11.62	7.42	3.29	4.31	---	2.94	7.49	1.88	0.91
9	14.97	3.78	14.19	6.85	9.07	2.78	4.03	---	1.78	5.89	2.76	0.94
10	16.49	3.27	15.71	3.99	8.95	2.25	2.89	---	1.22	4.75	8.79	0.92
11	17.04	4.29	12.23	3.26	5.03	2.03	2.59	---	1.09	3.46	4.90	0.87
12	15.06	4.78	5.93	2.91	3.71	2.00	7.25	---	1.05	3.11	3.18	0.83
13	9.38	2.82	4.03	9.02	5.33	2.45	5.97	---	1.02	3.95	2.82	0.81
14	4.96	2.11	3.14	14.44	15.76	1.97	3.90	---	0.99	4.15	2.34	0.79
15	3.82	1.84	2.60	9.05	15.89	5.66	3.11	---	0.94	5.38	2.38	0.79
16	2.99	1.63	2.34	4.36	11.10	14.41	2.74	---	0.92	6.49	2.74	0.79
17	2.12	1.50	2.21	3.25	5.59	10.92	2.69	---	0.94	5.76	2.31	0.80
18	1.89	5.41	1.95	2.64	3.87	5.22	2.34	---	0.94	4.37	2.08	0.80
19	1.97	5.68	1.74	2.33	3.09	3.84	3.17	---	0.93	4.19	4.32	0.80
20	2.42	8.69	1.58	1.96	2.67	4.68	2.25	---	0.92	4.62	2.87	0.80
21	2.02	12.12	1.55	1.85	2.57	5.08	2.54	---	1.04	4.03	2.12	0.80
22	1.49	14.73	2.14	2.02	2.57	4.93	2.40	---	1.07	4.80	5.44	0.79
23	1.34	17.09	6.26	1.89	4.50	7.29	2.62	---	1.65	4.47	3.58	0.92
24	3.87	16.61	3.94	1.81	13.02	5.43	1.77	0.88	1.15	3.21	2.20	12.33
25	6.88	13.76	2.63	1.63	15.49	3.69	2.07	0.86	0.97	2.80	1.65	17.70
26	3.80	7.90	2.16	1.99	12.27	3.29	2.98	0.87	0.91	3.90	1.37	18.07
27	2.57	11.05	1.93	1.85	7.39	4.15	2.82	0.85	0.87	3.33	1.48	17.33
28	1.89	13.86	1.80	2.13	6.51	3.88	2.59	0.83	0.87	3.39	1.27	14.67
29	1.66	8.49	1.58	2.75	---	5.26	2.09	0.87	0.87	3.46	1.11	9.71
30	1.50	5.95	1.57	2.32	---	4.67	1.71	2.74	0.86	3.09	1.07	5.45
31	1.62	---	1.58	6.82	---	4.19	---	7.23	---	2.37	1.07	---
MAX	---	17.09	15.71	14.44	17.74	14.41	7.25	---	5.85	7.49	8.79	18.07
MIN	---	1.50	1.55	1.39	2.57	1.97	1.71	---	0.86	0.84	1.07	0.79