

AD-A261 571



2

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS

STAGES AND DISCHARGES
OF THE
MISSISSIPPI RIVER AND TRIBUTARIES
AND
OTHER WATERSHEDS
IN THE
NEW ORLEANS DISTRICT
FOR 1989

DISTRIBUTION STATEMENT
Approved for public release
Distribution Unlimited



DTIC
ELECTE
FEB 23 1993
S E D

93-03607



Original contains color
plates: All DTIC reproduct-
ions will be in black and
white"

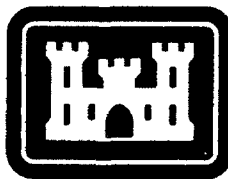
DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF COLOR PAGES WHICH DO NOT REPRODUCE LEGIBLY ON BLACK AND WHITE MICROFICHE.

Compiled at the office of the
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS

STAGES AND DISCHARGES
OF THE
MISSISSIPPI RIVER AND TRIBUTARIES
AND
OTHER WATERSHEDS
IN THE
NEW ORLEANS DISTRICT
FOR 1989



INTRODUCTION

THIS PAMPHLET CONTAINS THE RESULTS OF STAGE AND DISCHARGE OBSERVATIONS MADE ON THE MISSISSIPPI RIVER, ITS OUTLETS AND TRIBUTARIES, AND OTHER STREAMS AND WATERWAYS IN THE US ARMY ENGINEER DISTRICT, NEW ORLEANS, DURING THE 1989 CALENDAR YEAR.

IN ADDITION TO THE RECORDS OF THIS DISTRICT, THERE ARE CONTAINED HEREIN GAGE AND DISCHARGE DATA FURNISHED BY THE US GEOLOGICAL SURVEY, AND GAGE RECORDS FURNISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

GAGES OPERATED BY THE NEW ORLEANS DISTRICT ARE GENERALLY INSPECTED AT LEAST ONCE EACH YEAR. THE DATUM USED IS THAT OF THE 1929 NATIONAL GEODETIC VERTICAL DATUM BY THE NATIONAL GEODETIC SURVEY. GAGES ARE BEING ADJUSTED TO AGREE WITH BENCHMARK CHANGES ALSO FURNISHED BY THE NATIONAL GEODETIC SURVEY. REFER TO THE GENERAL INFORMATION SECTION AT EACH STATION FOR SPECIFIC ADJUSTMENTS. GAGE READINGS ARE CHECKED AGAINST INSPECTION REPORTS AND COMPARATIVE HYDROGRAPHS AND ARE CORRECTED WHERE THE NEED IS INDICATED.

STAGES ARE READINGS OF WATER SURFACE ELEVATIONS EXPRESSED IN FEET ABOVE THE ZERO OR REFERENCE POINT OF THE GAGE. THE REFERENCE POINT IS REFERRED TO EITHER NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD) OR MEAN LOW GULF DATUM. MEAN LOW GULF IS 0.78 FOOT BELOW NGVD. NATIONAL GEODETIC VERTICAL DATUM OF 1929 IS USED IN LIEU OF SEA LEVEL DATUM OF 1929 (MSL).

DISCHARGE IS THE QUANTITY OF WATER FLOWING PAST A CROSS SECTION OF THE STREAM IN A UNIT OF TIME. IT IS EXPRESSED IN DAY SECOND FEET.

DISCHARGE DATA CONSIST OF A BRIEF DESCRIPTION OF THE GAGING STATION, RESULTS OF DISCHARGE OBSERVATIONS, AND WHERE DETERMINED, COMPUTED DAILY FLOWS.

ANNUAL HIGHEST AND LOWEST STAGES ARE REPORTED FOR MOST OF THE DAILY GAGE STATIONS. IN DETERMINING THESE EXTREME RECORDS, ALL AVAILABLE GAGE DATA, INCLUDING CONTINUOUS RECORDER CHARTS, TWICE-DAILY GAGE READINGS, AND GAGE RECORDS TAKEN FROM DISCHARGE NOTES, INSPECTION REPORTS, ETC., ARE USED. THE TIME OF OCCURRENCE USUALLY IS REPORTED FOR THE ANNUAL HIGHEST STAGE BUT NOT FOR THE ANNUAL LOWEST STAGE.

THE TIME OF OBSERVATION REFERS TO CENTRAL STANDARD TIME.

THE ENCLOSED STREAM GAGING MAP SHOWS THE GAGING SYSTEMS OPERATED BY THE DISTRICT DURING THE REPORTING PERIOD. THE MAP CONTAINS AN INDEX FOR FINDING GAGE AND DISCHARGE RECORDS WITHIN THE PAMPHLET BY THE SYSTEM ARRANGEMENT.

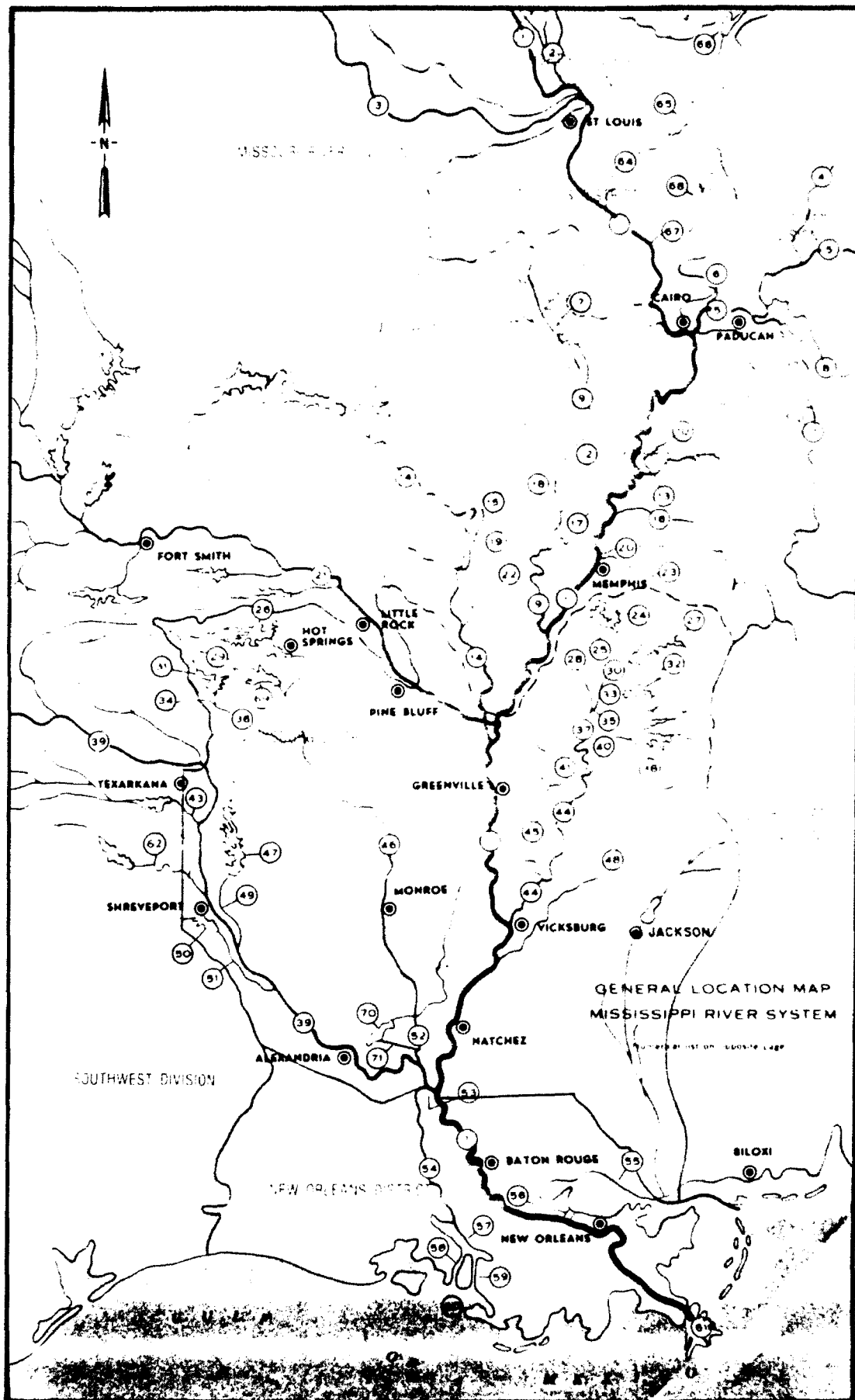
Accession For	
NTIS CRA&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

RICHARD V. GORSKI
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER

DTIC QUALITY INSPECTED 3

CONTENTS

	PAGE
INTRODUCTION.....	iii
GENERAL LOCATION MAP OF MISSISSIPPI RIVER SYSTEM.....	vi
HIGHEST AND LOWEST STAGES OF THE MISSISSIPPI RIVER AND TRIBUTARIES..	viii
MAXIMUM, MINIMUM, AND MEAN DISCHARGES OF THE MISSISSIPPI RIVER AND ITS OUTLETS AND TRIBUTARIES.....	ix
MONTHLY AND YEARLY MEAN STAGES OF THE MISSISSIPPI RIVER.....	ix
STREAM GAGING INDEX MAP OF THE DISTRICT.....	xi
 PART I. DAILY STAGES AND DAILY DISCHARGES	
MISSISSIPPI RIVER AND PASS.	3
OLD RIVER AND VICINITY.....	28
ATCHAFALAYA RIVER (PRINCIPAL CHANNELS AND OUTLETS).....	38
BLACK RIVER AT ACME, LA.....	64
EAST ATCHAFALAYA BASIN PROTECTION LEVEE.....	87
BAYOU DES GLAISES AND VICINITY.....	122
WEST ATCHAFALAYA BASIN PROTECTION LEVEE BORROW PIT (LS AND VICINITY).....	125
BAYOUS RAPIDES, BOEUF, COCODRIE, AND VICINITY.....	137
BAYOU TECHE AND VICINITY.....	148
VERMILION RIVER AND TRIBUTARIES.....	159
MERMENTAU RIVER AND TRIBUTARIES.....	166
CALCASIEU RIVER AND TRIBUTARIES.....	176
INTRACOASTAL WATERWAY AND VICINITY, NEW ORLEANS, LA. TO CALCASIEU RIVER.....	192
BAYOU LAPOURCHE AND VICINITY.....	219
LAKE PONTCHARTRAIN AND VICINITY.....	227
 PART II. OBSERVED DISCHARGES	
MISSISSIPPI RIVER AND PASSES.....	263
OLD RIVER AND VICINITY.....	269
ATCHAFALAYA RIVER (PRINCIPAL CHANNELS AND OUTLETS).....	270
RED RIVER.....	274
ATCHAFALAYA BASIN.....	274
 INDEX.	 279



NUMERICAL LIST FOR GENERAL LOCATION MAP

vii

1. Mississippi River
2. Illinois River
3. Missouri River
4. Wabash River
5. Ohio River
6. Cache River
7. Wappapello Reservoir
8. Cumberland River
9. St. Francis River
10. Obion River
11. Tennessee River
12. Little River (Floodway)
13. Forked Deer River
14. White River
15. Cache River
16. Hatchie River
17. Tyronza River
18. St. Francis Bay-Steep Gut Floodway
19. Bayou De View
20. Loosahatchie River
21. Arkansas River
22. L'Anguille River
23. Wolf River
24. Pigeon Roost Creek
25. Arkabutla Reservoir
26. Lake Ouachita
27. Sardis Reservoir
28. Coldwater River
29. Caddo River
30. Little Tallahatchie River
31. Lake Greeson
32. Enid Reservoir
33. Yocona River
34. Muddy Fork Creek
35. Panola-Quitman Floodway
36. Little Missouri River
37. Tallahatchie River
38. Grenada Reservoir
39. Red River
40. Yalobusha River
41. Quiver River
43. Sulphur River
44. Yazoo River
45. Big Sunflower River
46. Ouachita River
47. Bayou Bodcau Reservoir
48. Big Black River
49. Bayou Bodcau-Loggy Bayou
50. Wallace Lake
51. Cypress Bayou-Bayou Pierre
52. Black River
53. Old River
54. Atchafalaya River
55. Lake Pontchartrain
56. Bonnet Carre Floodway
57. Grand Lake-Six Mile Lake
58. Wax Lake Outlet
59. Lower Atchafalaya River
60. Eugene Island
61. Head of Passes
62. Twelve Mile Bayou
64. Kaskaskia River
65. Carlisle Lake
66. Lake Shelbyville
67. Big Muddy River
68. Rend Lake Reservoir
69. DeGray Lake
70. Catahoula Lake
71. Diversion Canal

HIGHEST AND LOWEST STAGES OF THE MISSISSIPPI RIVER AND ITS OUTLETS AND TRIBUTARIES

LOCATION	RIVER MILES ^a	DRAINAGE AREA SQ MILES	BANKFULL STAGE FT	LOW-WATER STAGE ^b	HIGHEST STAGE			LOWEST STAGE		
					PRIOR TO 1989		1989	PRIOR TO 1989		1989
					DATE	STAGE FT NGVD ^c	DATE	DATE	STAGE FT NGVD ^c	DATE
MISSISSIPPI RIVER										
NEAR KNOX LANDING, LA.	313.7	1,124,700	51	12.3	MAY 13, 1973*	61.20	MAR 11	JAN 28-30, 1956	8.2	DEC 31
RED RIVER LANDING, LA.	302.4	1,125,000	46	10.6	MAY 14, 1973*	60.94	MAR 11	JUL 14, 1895	2.89	DEC 31
BAYOU SARA, LA.	265.4	1,125,400	36	5.3	MAY 15, 1927	55.46	MAR 9*	NOV 16, 1895	0.96	DEC 28*
BATON ROUGE, LA.	228.4	1,125,810	29	2.6	MAY 8, 1912	47.28	MAR 12	NOV 14, 1894	-0.07	DEC 28
PLAQUEMINE, LA.	208.8	1,125,830	25	1.7	MAY 15, 1927	43.04		NOV 12, 1894	-0.90	DEC 28
DONALDSONVILLE, LA.	175.4	1,125,860	23	1.3	MAY 15, 1927	46.01	MAR 11	JAN 12, 1918	-0.39	DEC 23*
COLLEGE POINT (LA.)	157.4	1,125,870	17	1.1	MAY 15, 1927	32.32	MAR 10*	JAN 13, 1918	-0.1	DEC 23*
RESERVE, LA.	136.7	1,125,880	15	0.7	MAY 15, 1927	26.0	MAR 11	FEB 3, 1910	-0.1	DEC 23*
BONNET CARRE (LA.)	128.0	1,125,890	12	0.5	JUN 10, 1929	23.79	MAR 11	DEC 27, 1872	-0.42	DEC 23*
NEW ORLEANS (CARROLLTON), LA.	102.8	1,125,910	11	0.3	APR 26, 1927	17.58	MAR 12	DEC 27, 1872	-1.50	DEC 23*
CHALMETTE, LA.	91.0	1,125,920	8	0.1	APR 26, 1927	17.58	MAR 12	DEC 27, 1872	-0.32	DEC 23*
WEST POINT A LA HACHE, LA.	48.7	1,125,940	3	0.1	SEP 6, 1905	10.32	MAR 13	JAN 24, 25, 1940	-1.06	DEC 23*
EMPIRE, LA.	29.5	1,125,940	1	-0.2	AUG 17, 1909	10.32	MAR 4	JAN 24, 25, 1940	-0.74	DEC 24
FORT JACKSON, LA.	18.6	1,125,955	2	-0.4	AUG 17, 1909	14.03		MAR 19, 1977	-2.87	DEC 24
HEAD OF PASSES (LA.)	-0.6	1,125,970	1	-0.4	AUG 17, 1909	12.03		FEB 21, 1940d	-0.85	DEC 25
OLD RIVER OUTFLOW										
NEAR KNOX LANDING, LA.	0.5	1,124,700	49	8.0	MAY 15, 1973	59.30	MAR 10	JUL 16, 1964	1.32	DEC 28
OLD RIVER										
TORRAS, LA. (LOCK FOREBAY)										
ATCHAFALAYA RIVER										
					MAY 15, 1927	61.6	MAR 11	NOV 4, 1939	3.3	DEC 30
SIMMESPORT, LA.	4.9	87,570	46	6.9	MAY 16, 1927	58.13	MAR 10	OCT 17, 1976	0.70	DEC 29
KROTZ SPRINGS, LA.	41.3	93,328	37	6.1	MAY 15, 1927	38.5	MAR 13*	OCT 18, 1976	0.90	DEC 28
LOWER ATCHAFALAYA RIVER										
MORGAN CITY, LA.	117.7	94,800	4	-0.8	MAY 28, 1973	10.53	MAR 14	AUG 25, 1926	-5.44	DEC 24

^a DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED FROM HEAD OF PASSES (LA.). DISTANCES FOR STATIONS IN THE ATCHAFALAYA BASIN ARE FROM HEAD OF ATCHAFALAYA RIVER VIA THE MAIN CHANNEL OF THE BASIN TO THE GULF. ALTHOUGH SOME GAGES HAVE BEEN MOVED, DISTANCES SHOWN REFER TO THEIR PRESENT LOCATIONS.

^b REFERS EITHER TO AVERAGE LOW WATER PLANE, MEAN LOW WATER, OR LOW WATER REFERENCE PLANE.

^c IN SOME CASES, THE RECORD STAGE MAY BE DETERMINED FROM A WATERMARK OR FROM A READING ON A LOCAL GAGE, SINCE ABANDONED.

* AND LATER DATES (IN THE YEAR).

AFFECTED BY HURRICANE.

- POSSIBLY EXCEEDED DURING PERIOD OF NO RECORD.

+ AND ALSO IN LATER YEARS.

MAXIMUM, MINIMUM, AND MEAN DISCHARGES OF THE MISSISSIPPI RIVER
AND ITS OUTLETS AND TRIBUTARIES

ix

LOCATION	RIVER MILE a	DRAINAGE AREA SQ MILES	MAXIMUM DISCHARGE			MINIMUM DISCHARGE			MEAN DISCHARGE D.S.F.
			PRIOR TO 1989		1989	PRIOR TO 1989		1989	
			YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	YEAR	DISCHARGE D.S.F. b	DISCHARGE D.S.F.	
MISSISSIPPI RIVER TARBERT LANDING, MISS. RED RIVER LANDING, LA.	306.3 302.0	1,124,900 1,125,000	1937 1927	1,977,000 b1,779,000	1,138,000 -	1939 1939	85,000 75,000	190,000 -	573,000 -
OLD RIVER OUTFLOW NEAR KNOX LANDING, LA.	0.5	1,124,700	1973	610,000	304,000	1962	0	26,000	141,000
LOWER OLD RIVER TORRAS, LA.	1.0	-	1937	e519,000	-	1912	f316,000	-	-
ATCHAFALAYA RIVER SIMMESPORT, LA.	8.2	87,570	1973	781,000	486,000	1964	10,500	75,000	246,000

a DISTANCES OF THE MISSISSIPPI RIVER ARE MEASURED
FROM HEAD OF PASSES (LA.). TRIBUTARY DISTANCES
ARE FROM MOUTH.

b DISCHARGE MAY BE EITHER COMPUTED, MEASURED, OR ESTIMATED.
ALSO, DISCHARGE MAY NOT BE AVAILABLE FOR THE RECORD STAGE.

e TOWARD ATCHAFALAYA RIVER

f TOWARD MISSISSIPPI RIVER

MONTHLY AND YEARLY MEAN STAGES OF THE MISSISSIPPI RIVER FOR 1989

LOCATION	MONTHLY MEAN STAGES												YEARLY MEAN STAGE
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
KNOX LANDING, LA.	40.67	42.34	52.41	49.24	40.70	44.05	44.92	24.85	27.22	27.37	25.11	22.31	36.72
RED RIVER LANDING, LA.	38.38	40.17	50.23	47.00	38.57	41.74	42.62	22.66	24.69	24.69	22.71	22.28	34.44
BAYOU SARA, LA.	31.00	32.71	42.24	38.96	30.75	33.77	34.77	15.13	16.96	17.14	15.23	13.10	26.77
BATON ROUGE, LA.	23.79	25.52	33.80	30.76	23.60	26.43	27.26	9.73	11.40	11.80	10.26	8.58	20.21
DOMALDSONVILLE, LA.	16.34	17.82	24.87	22.22	16.28	18.50	19.27	6.01	7.04	7.28	6.00	4.79	13.84
COLLEGE POINT, LA.	14.71	16.21	22.47	20.10	14.43	16.61	17.41	6.68	7.36	6.60	5.67	4.55	12.71
RESERVE, LA.	12.40	13.71	19.37	17.09	12.14	14.18	14.79	4.67	5.27	5.38	4.66	3.61	10.58
NEW ORLEANS, LA.	8.52	9.67	13.82	12.28	8.66	10.14	10.63	3.64	4.11	3.91	3.22	2.30	7.56
CHALMETTE, LA.	7.31	8.32	11.88	10.61	7.54	8.89	9.35	3.17	3.72	3.38	2.81	1.95	6.72
WEST POINT A LA HACHE, LA.	4.09	4.90	6.87	6.25	4.68	5.59	5.90	2.49	2.69	2.22	1.80	1.07	4.09
EMPIRE, LA.	3.16	3.56	5.09	4.70	3.66	4.44	4.63	2.21	2.44	1.88	1.41	0.68	3.18
HEAD OF PASSES, (LA.)	-	-	-	2.42	1.83	2.10	-	1.47	1.37	1.15	0.72	0.36	1.41

INDEX TO RECORDS BY STREAM GAGING SYSTEMS

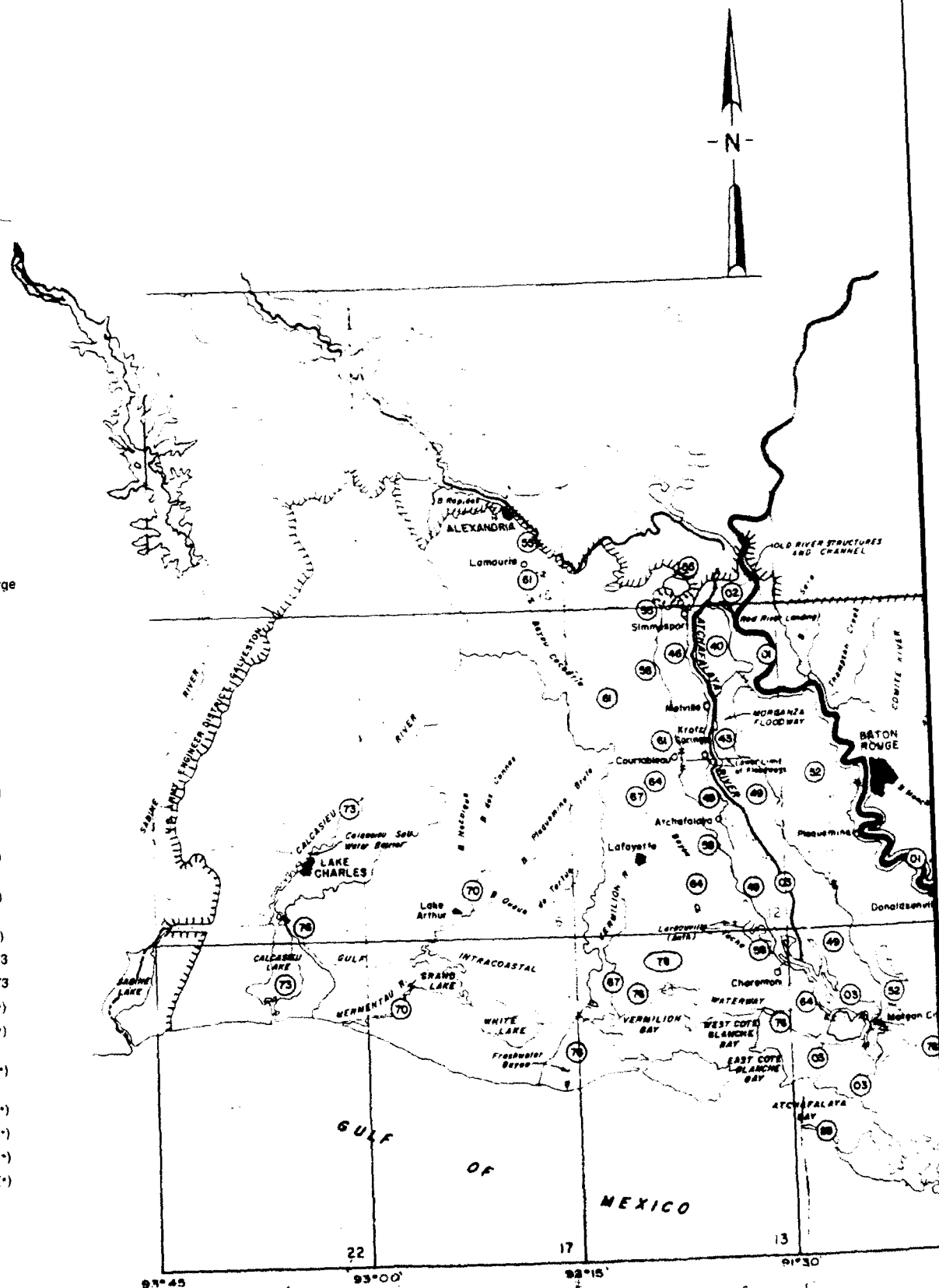
System Number	System	Page	
		Stage	Discharge
01	Mississippi River and Passes	3	261
02	Old River and Vicinity	28	263
03	Atchafalaya River (Principal Channels and Outlets)	38	265
04	Black River at Acme, La.	63	270
40	Upper Pointe Coupee Drainage Area	64	(*)
43	Morganza Floodway	67	(*)
46	West Atchafalaya Floodway	69	(*)
49	Atchafalaya Basin	75	271
52	East of East Atchafalaya Basin Protection Levee	94	(*)
55	Bayou des Glaisses and Vicinity	117	(*)
58	West Atchafalaya Basin Protection Levee Borrow Pit (LS and Vicinity)	124	(*)
61	Bayou Rapides, Boeuf, Cocodrie, and Vicinity	137	(*)
64	Bayou Teche and Vicinity	148	273
67	Vermilion River and Tributaries	159	273
70	Mermentau River and Tributaries	166	(*)
73	Calcasieu River and Tributaries	176	(*)
76	Intracoastal Waterway and Vicinity, New Orleans, La., to Calcasieu River	187	(*)
79	Delcambre Canal, Bayou Carlin, and Vicinity	218	(*)
82	Bayou LaFourche and Vicinity	219	(*)
85	Lake Pontchartrain and Vicinity	227	(*)
88	Gulf of Mexico	254	(*)

* Discharge not included in this publication.

CORDS BY STREAM GAGING SYSTEMS

System	Stage	Page Discharge
r and Passes	3	261
vicinity	28	263
er (Principal Channels	38	265
Acme, La.	63	270
oupee Drainage Area	64	(*)
lway	67	(*)
a Floodway	69	(*)
in	75	271
chatalaya Basin	94	(*)
ree	117	(*)
ses and Vicinity	124	(*)
a Basin Protection Levee	137	(*)
S and Vicinity)	148	273
Boeuf, Cocodrie, and	159	273
nd Vicinity	166	(*)
and Tributaries	176	(*)
r and Tributaries	187	(*)
and Tributaries	218	(*)
erway and Vicinity, New	219	(*)
to Calcasieu River	227	(*)
at, Bayou Carlin, and	254	(*)
ne and Vicinity		
ain and Vicinity		

this publication.



STREAM GAGING INDEX MAP

10 20 30 MILES

1989

LEGEND

1

02 Stream gaging systems

Drainage boundary

LOCK

Control Structure

District Boundary



PART I
STAGES AND DAILY DISCHARGES
OF THE
MISSISSIPPI RIVER AND TRIBUTARIES
AND
OTHER WATERSHEDS

DAILY STAGE FOR 1989

MISSISSIPPI RIVER NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-25, LONG. 91-34-55. MILE 313.7 (1962 SURVEY), ON RIGHT BANK AT OLD LEVEE, ABOUT 3/4 MILE DOWNSTREAM FROM INLET CHANNEL TO OLD RIVER CONTROL STRUCTURE. (STA. 0108011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. LOW WATER REFERENCE PLANE, 12.3 FEET ON GAGE. STAGE IS AFFECTED BY THE DIVERSION OF WATER THRU OLD RIVER CONTROL STRUCTURE. PRIOR TO JUNE 30, 1961, GAGE WAS ABOUT 0.8 MILE UPSTREAM.

RECORDS AVAILABLE. STAGE, OCT. 20, 1955 TO MAR. 10, 1961, AND JUNE 30, 1961 TO DATE.

EXTREMES. HIGHEST, 63.15 FEET ON MAY 31, 1983. LOWEST, 8.2 FEET FROM JAN. 28 TO 30, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.18	43.38	50.70	48.32	40.80	43.65	48.60	32.79	22.10	30.30	29.10	29.90
2	31.50	42.25	51.50	48.22	39.20	43.13	48.80	31.90	22.74	30.00	29.36	29.32
3	34.15	41.22	52.23	48.30	37.30	43.20	49.60	30.98	23.54	30.05	28.66	28.47
4	35.70	40.10	52.75	48.65	35.60	42.70	49.70	30.20	24.20	30.30	27.80	27.43
5	37.08	38.90	53.20	48.95	35.10	42.40	49.80	29.38	24.75	30.35	26.68	26.57
6	38.10	38.10	53.52	49.18	34.35	42.70	49.90	28.94	24.84	30.25	25.62	25.95
7	38.50	37.80	54.00	49.20	34.65	42.50	49.90	28.60	25.10	29.75	24.59	25.62
8	38.55	37.80	53.95	49.30	35.29	42.75	49.90	28.18	25.18	29.20	23.85	26.70
9	38.20	38.21	54.15	49.60	36.38	43.60	49.72	27.85	25.02	28.80	23.45	25.34
10	38.30	38.52	54.27	49.90	37.35	43.60	49.44	27.50	25.11	28.80	23.28	24.50
11	37.80	38.90	54.35	50.15	38.09	43.40	49.19	26.80	25.40	28.79	23.15	23.90
12	37.40	39.50	54.20	50.30	38.90	43.10	48.93	26.22	25.78	29.20	23.05	23.62
13	37.80	40.05	54.00	50.40	39.55	42.80	48.67	25.80	25.88	29.40	23.00	23.00
14	38.80	40.10	53.60	50.59	40.00	42.48	48.29	25.30	25.80	29.43	22.80	22.29
15	39.70	39.85	53.45	50.70	40.30	42.30	47.89	25.00	25.45	29.30	22.30	21.88
16	40.50	39.75	53.35	50.90	40.30	42.30	47.14	24.53	25.35	28.97	21.98	21.47
17	41.28	39.85	53.30	51.05	40.70	42.40	46.47	23.90	25.32	28.35	21.88	21.09
18	41.92	40.60	53.13	51.10	40.93	42.85	45.65	23.33	25.89	27.70	21.94	20.87
19	43.09	42.20	53.00	51.10	43.10	43.50	44.70	22.63	26.90	26.90	22.36	20.45
20	43.85	43.95	52.84	51.00	43.54	43.90	44.10	21.77	28.14	25.60	22.78	20.26
21	44.50	45.50	52.66	50.89	43.85	44.40	43.30	21.12	29.30	24.50	22.85	20.20
22	45.10	46.40	52.60	50.70	44.30	44.88	42.53	20.68	30.20	23.57	23.20	20.00
23	45.60	47.15	52.50	50.42	44.45	45.25	41.74	20.38	31.30	22.95	23.68	19.58
24	45.90	47.85	52.20	49.92	44.80	45.50	41.01	20.30	31.80	22.30	24.65	19.11
25	46.00	48.40	51.80	49.30	45.00	45.94	40.08	20.39	32.19	22.32	25.80	18.65
26	46.10	49.20	51.10	48.45	45.10	46.45	39.25	20.59	32.64	22.55	27.24	18.15
27	46.10	49.80	50.30	47.40	45.05	46.39	37.90	20.50	32.50	22.65	28.60	17.69
28	46.00	50.25	49.60	46.00	44.90	46.95	36.70	20.70	31.95	24.19	29.55	17.53
29	45.60	-----	49.10	44.40	44.70	47.99	35.39	21.15	31.29	25.90	29.97	17.30
30	44.95	-----	48.90	42.70	44.35	48.38	34.38	21.25	30.88	27.50	30.00	17.45
31	44.40	-----	48.50	-----	43.90	-----	33.70	21.70	-----	28.50	-----	17.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	40.67	42.34	52.41	49.24	40.70	44.05	44.92	24.85	27.22	27.37	25.11	22.31
MAX	46.10	50.25	54.35	51.10	45.10	48.38	49.90	32.79	32.64	30.35	30.00	29.90
MIN	28.18	37.80	48.50	42.70	34.35	42.30	33.70	20.30	22.10	22.30	21.88	17.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 36.72.
 HIGHEST STAGE WAS 54.37 AT 2:00 A.M. ON MAR 11.
 LOWEST STAGE WAS 17.10 ON DEC 31.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

LOCATION. LAT. 31-00-30, LONG. 91-37-25. MILE 306.3 (1962 SURVEY), ABOUT 2-1/2 MILES UPSTREAM FROM LOWER OLD RIVER. (STA. 0110011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,124,900 SQUARE MILES (CONTRIBUTING).

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO DATE. DISCHARGE, 1911 TO 1913, 1928, 1929, AND 1932 TO DATE. COMPUTED DAILY, SINCE 1936.

EXTREMES. FOR STAGES, SEE RED RIVER LANDING. MAXIMUM, 1,977,000 CFS OBSERVED ON FEB. 19, 1937 (RED RIVER LANDING STAGE, 58.09 NGVD). MINIMUM, 85,000 CFS COMPUTED FOR NOV. 4, 1939 (RED RIVER LANDING STAGE, 4.69 NGVD). DISCHARGE NOT DETERMINED FOR RECORD HIGH AND LOW STAGES.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		42.30			39.80	42.70						
2		41.30	50.30									
3	32.25			47.00				29.60				
4					34.70							
5	35.55					41.50	48.40		23.15	29.10		
6			52.20	47.80								
7						41.25	48.50		23.65			
8			52.80		34.00							
9	37.25	36.90										
10		37.15		48.50			48.10	26.00				
11												22.55
12	36.00				37.55	42.10						
13		38.90	52.90	49.00			47.30				21.50	
14					39.30	41.35		24.05				
15												
16		38.65	52.20							27.40	20.65	
17	40.30	38.80		49.80			45.50	22.65				
18					39.80				24.40	26.15		19.60
19	42.05					42.20						
20			51.70	49.80			43.15					
21								20.10				19.20
22		45.20			43.20	43.30						
23	44.50	46.00	51.10				39.90	19.20				
24				48.85					30.40			
25	44.75				43.90							
26						44.90				20.90		17.25
27		48.70	49.00	46.10			36.70				26.95	
28								19.55				
29		-----				46.70						
30		-----	47.70		43.30					25.55		
31		-----		-----			32.20	20.40	-----		-----	

DAILY FLOW FOR 1989

MISSISSIPPI RIVER AT TARBERT LANDING, MISS.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	384	765	1024	869	581	709	830	406	252	377	356	373
2	445	733	1045	865	541	695	837	403	262	371	360	363
3	513	663	1066	865	501	650	870	395	275	371	351	352
4	556	601	1085	875	467	638	868	381	285	375	339	335
5	600	572	1097	886	452	625	873	366	290	375	321	322
6	636	549	1106	895	440	633	875	358	295	375	303	312
7	648	534	1119	897	443	631	878	352	297	368	288	304
8	654	541	1124	902	454	631	875	348	296	360	278	321
9	653	549	1131	909	478	652	868	342	295	354	270	304
10	645	556	1131	920	495	658	861	335	296	354	266	289
11	627	564	1138	930	510	655	844	324	300	355	264	280
12	614	581	1134	935	529	646	825	315	306	357	262	276
13	628	596	1131	940	546	635	799	306	308	359	261	267
14	655	599	1117	944	555	630	785	301	308	360	264	256
15	684	596	1110	950	566	625	770	295	304	360	257	251
16	711	591	1106	956	567	620	746	291	297	356	254	247
17	739	591	1105	963	607	615	723	282	297	346	251	241
18	761	659	1100	966	624	626	700	273	306	335	252	237
19	775	701	1094	970	689	650	664	264	320	320	258	234
20	804	758	1090	960	716	671	645	253	339	300	263	231
21	829	827	1085	960	722	681	620	244	359	285	267	230
22	860	881	1081	953	730	699	592	235	373	271	270	227
23	880	900	1073	943	736	710	570	232	390	262	276	221
24	890	927	1066	928	746	722	549	230	398	252	288	215
25	895	950	1031	882	753	739	525	230	405	250	305	209
26	898	968	997	836	756	754	503	232	414	253	329	203
27	895	991	940	798	756	759	476	234	414	253	350	197
28	894	1000	918	751	753	780	454	235	403	273	366	195
29	881	-----	894	697	746	814	452	240	395	298	374	192
30	855	-----	890	642	733	825	436	241	386	324	377	191
31	814	-----	878	-----	719	-----	419	248	-----	343	-----	190

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	720	705	1061	893	610	679	701	296	329	329	297	260
MAX	898	1000	1138	970	756	825	878	406	414	377	377	373
MIN	384	534	878	642	440	615	419	230	252	250	251	190
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
TOTAL FOR YEAR WAS 209,145,000 DSF.
THE MEAN FLOW FOR THE YEAR WAS 573,000 DSF.
MAXIMUM DAILY DISCHARGE WAS 1,138,000 DSF ON MAR 11.
MINIMUM DAILY DISCHARGE WAS 190,000 DSF ON DEC 31.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT RED RIVER LANDING, LA.

LOCATION. LAT. 30-57-39, LONG. 91-39-52. SPUR DIKE ON RIGHT BANK AT MILE 302.4 (1962 SURVEY).
(STA. 01120128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,000 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. LOW WATER REFERENCE PLANE, 10.6 FEET ON GAGE. FOR DAILY FLOWS SINCE CLOSURE OF LOWER OLD RIVER (MILE 304) ON JUL. 12, 1963, SEE TARBERT LANDING, MISS. GAGE WAS LOCATED ACROSS THE RIVER AT ANGOLA, LA. (MILE 302.6), OCT. 1923 TO JUNE 1940. STAGES ARE AVAILABLE FOR GAGE AT PHILLIPSTON, LA., (MILE 302.5) FROM JAN. 1937 TO DEC. 1945. PRIOR TO 1975 GAGE ZERO WAS 3.49 FEET NGVD.

RECORDS AVAILABLE. STAGE, 1851 TO 1923, AND MAR. 1940 TO DATE. DISCHARGE, 1851 AND INTERMITTENTLY FROM 1881 TO 1963. COMPUTED DAILY, FROM 1928 TO 1963.

EXTREMES. HIGHEST, 60.94 FEET FROM MAY 14 TO 17, 1927. LOWEST, 2.89 FEET ON NOV. 14, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, ABOUT 1,779,000 CFS WOULD HAVE OCCURRED FOR THE MAY 1927 FLOOD IF FLOW HAD BEEN CONFINED BETWEEN LEVEES. A DISCHARGE OF 1,595,000 CFS WAS OBSERVED BY FLOAT METHOD ON MAR. 31, 1882 (STAGE 51.79 NGVD). THIS DISCHARGE WAS AFFECTED BY CREVASSES. A DISCHARGE OF 1,520,000 CFS WAS COMPUTED FOR APR. 11 AND 12, 1945 (AT STAGES OF 58.69 AND 58.89 NGVD, RESPECTIVELY). MINIMUM, 75,000 CFS COMPUTED FOR NOV. 4, 1939 (STAGE, 4.64 NGVD AT ANGOLA).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.13	41.30	48.80	46.10	38.75	41.48	46.25	30.60	19.90	27.64	26.30	27.40
2	28.33	40.40	49.40	45.90	37.30	40.94	46.45	29.69	20.53	27.30	26.65	26.90
3	31.50	39.20	50.00	46.00	35.29	40.93	47.20	28.63	21.32	27.30	25.98	26.10
4	33.30 E	38.00	50.60	46.30	33.55	40.50	47.35	27.82	22.00	27.75	25.27	25.19
5	34.70 E	36.90	50.90	46.60	32.97	40.30	47.38	27.00	22.30	27.56	24.23	24.34
6	35.76	36.00	51.20	46.85	32.32	40.45	47.47	26.48	22.70	27.52	23.13	23.70
7	36.25	35.40	51.60	46.95	32.46	40.39	47.58	26.20	22.70	27.00	22.20	23.29
8	36.40	35.70	51.70	47.00	33.00	40.43	47.55	25.82	22.80	26.50	21.58	24.30
9	36.30	36.00	51.90	47.28	34.19	41.10	47.30	25.50	22.70	26.17	20.99	23.21
10	35.90	36.30	52.00	47.60	35.10	41.20	47.10	25.00	22.75	26.17	20.78	22.30
11	35.55	36.60	52.12	47.85	35.82	41.10	46.99	24.40	23.05	26.50	20.60	21.78
12	35.20	37.30	52.00	48.05	36.68	40.87	46.52	23.95	23.40	26.46	20.55	21.50
13	35.65	37.80	51.90	48.13	37.30	40.59	46.29	23.53	23.50	26.55	20.50	20.80
14	36.60	37.90	51.60	48.30	37.75	40.30	45.95	23.05	23.19	26.60	20.53	20.10
15	37.45	37.73	51.33	48.50	38.12	40.15	45.52	22.70	22.98	26.60	20.20	19.78
16	E 38.20	37.60	51.20	48.70	38.20	40.10	44.89	22.37	22.82	26.30	19.90	19.55
17	39.00	37.70	51.10	48.88	38.60	39.90	44.25	21.75	22.82	25.78	19.80	19.20
18	39.60	38.20	51.00	48.95	38.82	40.29	43.52	21.14	23.39	25.10	19.80	18.71
19	40.90	39.50	50.90	49.00	41.00	41.03	42.45	20.60	24.20	24.20	20.20	18.58
20	41.60	41.20	50.72	48.65	41.68	41.50	41.89	19.80	25.34	23.00	20.60	18.38
21	E 42.20	43.05	50.60	48.65	41.92	42.04	41.10	19.19	26.50	22.00	20.80	18.32
22	E 43.00	44.20	50.45	48.50	42.03	42.45	40.30	18.70	27.40	21.05	21.00	18.18
23	43.50	45.10	50.28	48.23	42.24	42.84	39.50	18.49	28.34	20.45	21.40	17.71
24	43.70	45.95	49.94	47.75	42.64 E	43.10	38.80	18.34	28.94	19.92	22.10	17.30
25	43.90	46.55	49.50	47.13	42.84 E	43.60	37.90	18.36	29.30	19.79 E	23.30	16.90
26	43.90	47.10	48.90	46.28	42.93	44.00	36.95	18.50	29.72	19.90 E	24.80	16.46
27	43.90	47.80	48.10	45.30	42.90	44.15	35.64	18.60	29.80	19.98	26.10	16.03
28	43.80	48.15	47.52	43.80	42.80	44.79	34.45	18.70	29.20	21.28	26.90	15.79
29	43.50	-----	46.95	42.27	42.59	45.70	33.13	18.85	28.79	23.00	27.50	15.69
30	42.90	-----	46.70	40.60	42.22	45.98	32.18	19.10	28.18	24.50	27.60	15.63
31	42.20	-----	46.33	-----	41.74	-----	31.30	19.50	-----	25.55	-----	15.48

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.38	40.17	50.23	47.00	38.57	41.74	42.62	22.66	24.69	24.69	22.71	20.28
MAX	43.90	48.15	52.12	49.00	42.93	45.98	47.58	30.60	29.80	27.75	27.60	27.40
MIN	25.13	35.40	46.33	40.60	32.32	39.90	31.30	18.34	19.90	19.79	19.80	15.48
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 34.44.

HIGHEST STAGE WAS 52.20 AT 4:30 P.M. ON MAR 11.

LOWEST STAGE WAS 15.45 ON DEC 31.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT BAYOU SARA, LA.

LOCATION. LAT. 30-45-48, LONG. 91-23-12. LEFT BANK, NEAR CONCRETE CASTING PLANT AT MILE 265.4 (1962 SURVEY). (STA. 0114009.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,400 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 36 FEET. LOW WATER REFERENCE PLANE, 5.25 FEET ON GAGE. GAGE WAS LOCATED ON RIGHT BANK FROM AUG. 13, 1930 TO AUG. 31, 1971. PRIOR TO 1975 GAGE ZERO WAS 3.76 FEET, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 3, 1888 TO DATE.

EXTREMES. HIGHEST, 55.46 FEET ON MAY 15, 1927. LOWEST, 0.96 FOOT ON NOV. 16, 1895. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.15	34.15	40.65	38.15	31.55	33.55	38.15	22.85	12.35	20.25	18.50	19.85
2	20.55	33.15	41.15	37.95	30.05	33.50	38.25	22.05	12.95	19.80	19.00	19.50
3	23.65	32.15	41.85	37.95	28.25	33.25	38.85	20.75	13.25	19.75	18.75	18.80
4	25.55	31.05	42.45	38.15	26.50	32.95	39.20	19.95	13.75	19.85	17.85	17.90
5	27.15	29.90	42.95	38.45	25.85	32.45	39.30	18.95	14.75	19.90	17.10	17.00
6	28.55	29.05	43.30	38.55	24.90	32.85	39.35	18.35	15.25	19.95	16.15	16.40
7	29.15	28.55	43.50	38.75	24.55	32.55	39.35	18.05	15.40	19.60	15.20	15.90
8	29.30	28.45	43.75	38.95	25.00	32.55	39.35	17.95	15.55	19.10	14.80	16.80
9	29.35	28.65	44.15	39.05	25.95	33.05	39.15	17.45	15.35	18.70	14.00	16.20
10	29.15	29.05	44.05	39.35	26.95	33.15	39.05	17.15	15.30	18.60	13.55	15.10
11	28.65	29.35	44.15	39.55	27.65	33.15	38.80	16.95	14.90	18.70	13.40	14.50
12	28.25	29.90	43.95	39.80	28.55	32.95	38.55	16.65	15.40	18.90	13.30	14.10
13	28.40	30.45	43.90	39.95	29.15	32.55	38.35	16.15	15.60	19.05	13.20	13.50
14	29.20	30.55	43.85	40.05	29.85	32.35	38.05	15.95	15.60	19.10	13.20	12.90
15	30.15	30.55	43.30	40.20	30.15	32.45	37.45	15.35	15.50	19.15	13.00	12.50
16	30.85	30.35	43.15	40.35	30.35	32.05	37.05	15.05	15.15	18.95	12.80	12.30
17	31.65	30.40	42.95	40.55	30.70	31.75	36.45	14.55	15.00	18.60	12.30	12.10
18	32.20	30.80	42.85	40.65	30.95	32.15	35.85	13.95	15.50	18.00	12.20	11.85
19	33.25	31.95	42.85	40.75	33.15	32.55	34.95	13.45	16.10	17.00	12.35	11.60
20	34.15	33.35	42.65	40.85	33.65	33.15	34.30	12.55	17.20	15.90	12.85	11.30
21	34.90	35.30	42.65	40.55	33.95	33.95	33.55	11.95	18.40	14.80	13.25	11.00
22	35.45	36.35	42.40	40.40	34.15	34.25	32.85	11.50	19.40	13.80	13.50	11.00
23	35.95	37.20	42.25	40.20	34.30	34.65	32.05	11.15	20.30	12.95	13.90	10.70
24	36.15	37.90	42.05	39.75	34.55	35.05	31.35	10.90	21.00	12.60	14.30	10.00
25	36.25	38.55	41.55	39.15	34.80	35.45	30.55	10.85	21.50	12.20	15.25	9.60
26	36.45	39.05	41.00	38.55	34.95	35.95	29.50	10.95	22.00	12.10	16.60	9.30
27	36.45	39.65	40.30	37.65	34.95	36.15	28.15	11.05	22.30	12.20	18.00	9.00
28	36.35	40.05	39.65	36.35	34.90	36.95	26.95	11.15	21.90	13.10	19.00	8.80
29	36.15	-----	39.00	34.95	34.65	37.85	25.55	11.55	21.35	14.70	19.70	8.70
30	35.65	-----	38.80	33.15	34.15	37.95	24.45	11.85	20.90	16.40	20.00	8.75
31	34.95	-----	38.45	-----	34.15	-----	23.25	12.15	-----	17.70	-----	9.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.00	32.71	42.24	38.96	30.75	33.77	34.77	15.13	16.96	17.14	15.23	13.10
MAX	36.45	40.05	44.15	40.85	34.95	37.95	39.35	22.85	22.30	20.25	20.00	19.85
MIN	17.15	28.45	38.45	33.15	24.55	31.75	23.25	10.85	12.35	12.10	12.20	8.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 26.77.

HIGHEST STAGE WAS 44.15 ON MAR 9 AND LATER DATE(S).

LOWEST STAGE WAS 8.70 ON DEC 28 AND LATER DATE(S).

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT BATON ROUGE, LA.

LOCATION. LAT. 30-25-45, LONG. 91-12-25. ON FOREBAY WALL OF PORT ALLEN LOCK AT MILE 228.4 (1962 SURVEY). (STA. 0116009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,810 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 29 FEET. LOW WATER REFERENCE PLANE, 2.57 FEET ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES AT LOW WATER. THE LOCATION OF GAGE HAS BEEN CHANGED SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1872 TO DATE. DISCHARGE, 1929, 1938 TO 1957, AND 1973 TO 1975. COMPUTED DAILY, FROM 1931 TO 1945, AND 1947 TO 1956.

EXTREMES. HIGHEST, 47.28 FEET ON MAY 15, 1927. LOWEST, MINUS 0.07 FOOT ON NOV. 14, 1894. MAXIMUM, 1,473,000 CFS OBSERVED ON APR. 16, 1945 (STAGE, 44.58 NGVD). MINIMUM 73,700 CFS OBSERVED ON OCT. 19, 1939 (STAGE, 2.58 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.05	26.97	32.37	29.97	24.65	26.25	30.13	16.50	7.35	14.40	12.67	13.97
2	13.64	26.20	32.97	29.80	23.24	25.89	30.20	15.72	7.75	13.95	13.25	13.70
3	16.28	25.22	33.50	29.75	21.65	25.82	30.66	14.69	8.30	13.70	13.07	13.14
4	18.30	24.32	34.00	29.97	20.08	25.52	31.14	13.80	8.83	13.80	12.63	12.40
5	19.95	23.30	34.43	30.30	19.34	25.22	31.20	13.05	9.49	13.89	11.87	11.73
6	21.28	22.57	34.63	30.43	18.40	25.50	31.23	12.46	9.94	14.00	11.07	11.10
7	21.95	22.00	34.84	30.55	17.90	25.34	31.19	12.20	9.92	13.83	10.40	10.85
8	22.34	21.85	35.10	30.65	18.15	25.42	31.20	12.17	9.85	13.43	9.97	11.73
9	22.42	21.98	35.30	30.83	18.99	25.74	31.12	11.85	9.97	13.07	9.32	11.15
10	22.33	22.20	35.45	31.10	19.90	25.95	30.97	11.55	9.73	13.05	8.93	10.20
11	21.97	22.45	35.53	31.35	20.65	25.92	30.80	11.15	9.85	13.08	8.77	9.60
12	21.49	22.97	35.52	31.57	21.40	25.72	30.56	10.75	10.12	13.18	8.70	9.43
13	21.54	23.45	35.40	31.65	22.12	25.45	30.40	10.43	10.34	13.35	8.75	9.00
14	22.13	23.75	35.08	31.69	22.65	25.20	30.10	10.03	10.30	13.59	8.93	8.43
15	22.86	23.70	34.83	31.82	23.07	25.30	29.75	9.70	10.20	13.65	8.90	8.10
16	23.60	23.60	34.62	31.97	23.25	25.00	29.30	9.37	10.05	13.40	8.52	7.75
17	24.33	23.57	34.45	32.15	23.70	24.85	28.82	8.97	9.97	13.24	8.00	7.57
18	25.00	23.83	34.35	32.24	23.85	25.02	28.20	8.50	10.24	12.60	7.86	7.45
19	25.92	24.70	34.27	32.22	25.70	25.45	27.51	8.13	10.83	11.82	7.90	7.32
20	26.75	25.95	34.09	32.26	26.43	25.98	27.10	7.63	11.56	10.75	8.17	7.12
21	27.37	27.50	34.02	32.20	26.55	26.44	26.37	7.16	12.42	9.80	8.45	6.89
22	28.05	28.50	34.05	32.02	26.65	26.83	25.63	6.95	13.25	9.04	8.77	6.75
23	28.29	29.34	33.92	31.76	26.80	27.24	24.85	6.80	14.00	8.45	9.00	6.33
24	28.60	29.95	33.64	31.47	26.95	27.55	24.34	6.40	14.67	8.00	9.45	5.73
25	28.67	30.45	33.25	31.04	27.12	27.92	23.57	6.20	15.35	7.73	10.19	5.65
26	28.90	30.95	32.76	30.42	27.28	28.27	22.73	6.25	15.77	7.85	11.17	5.57
27	28.90	31.40	32.10	29.68	27.32	28.50	21.56	6.30	15.90	7.87	12.25	5.37
28	28.85	31.94	31.48	28.58	27.27	29.37	20.38	6.40	15.70	8.54	13.23	5.20
29	28.70	-----	30.76	27.40	27.10	30.09	19.07	6.60	15.40	9.67	13.75	5.37
30	28.25	-----	30.65	26.02	26.90	30.05	17.95	6.85	14.95	10.97	14.00	5.50
31	27.70	-----	30.35	-----	26.60	-----	17.10	7.04	-----	12.05	-----	5.82

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	23.79	25.52	33.80	30.76	23.60	26.43	27.26	9.73	11.40	11.80	10.26	8.58
MAX	28.90	31.94	35.53	32.26	27.32	30.09	31.23	16.50	15.90	14.40	14.00	13.97
MIN	11.05	21.85	30.35	26.02	17.90	24.85	17.10	6.20	7.35	7.73	7.86	5.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 20.21.

HIGHEST STAGE WAS 35.62 AT 4:30 A.M. ON MAR 12.

LOWEST STAGE WAS 4.60 ON DEC 28.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT DONALDSONVILLE, LA.

LOCATION. LAT. 30-06-30, LONG. 90-59-15. BAYOU LAFOURCHE FRESH WATER PUMPING PLANT AT MILE 175.4 (1962 SURVEY). (STA. 0122009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,860 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 23 FEET. LOW WATER REFERENCE PLANE, 1.33 FEET ON GAGE. PRIOR TO JAN. 24, 1961, GAGE WAS ABOUT 0.2 MILE DOWNSTREAM. PRIOR TO 1975 GAGE ZERO WAS MINUS 1.19 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JUNE 9, 1890 TO DATE.

EXTREMES. HIGHEST, 36.01 FEET ON MAY 15, 1927. LOWEST, MINUS 0.39 FOOT ON JAN. 12, 1918. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.24	19.42	23.70	21.71	17.40	18.52	21.55	10.58	4.29	9.09	7.23	8.38
2	7.96	18.77	24.14	21.42	16.20	18.31	21.64	9.97	4.43	8.77	8.03	7.92
3	9.74	17.98	24.64	21.39	14.80	18.01	21.87	9.21	4.83	8.75	7.84	7.53
4	11.29	17.12	25.17	21.57	13.90	17.88	22.28	8.64	5.32	8.67	7.39	7.34
5	12.52	16.22	25.36	21.68 E	13.40	17.72	22.56	8.08	5.94	8.71	7.22	6.78
6	13.61	15.51	25.67	21.91	11.90	17.76	22.61	7.72	6.23	8.95	6.44	6.25
7	14.39	15.00	25.76	22.00	11.20	17.53	22.48	7.36	6.12	8.83	6.33	6.17
8	14.88	14.65	25.96	22.02	11.21	17.62	22.65	7.53	6.13	8.55	6.25	6.73
9	15.05	14.73	26.19	22.24	11.84	17.72	22.76	7.65	6.01	8.44	5.50	6.45
10	15.01	13.45	26.26	22.31	12.40	18.07	22.43	7.35	5.90	8.21	4.93	5.85
11	14.84	15.02	26.29	22.71	13.40	18.05	22.33	6.97	6.06	8.00	4.91	5.53
12	14.41	15.29	26.19	22.86	14.51	18.11	22.25	6.64	6.09	8.30	4.83	5.45
13	14.30	15.86	26.21	23.03	15.23	17.83	21.92	6.53	6.23	8.40	5.11	5.02
14	14.72	16.30	25.97	23.00	15.76	17.62	21.56	6.20	6.25	8.70	5.50	4.88
15	15.36	16.25	25.72	23.16	16.14	17.51	21.25	6.00	6.21	8.80	5.50	4.73
16	15.91	16.14	25.55	23.31	16.19	17.29	20.73	5.70	6.07	8.79	5.26	4.17
17	16.53	16.08	25.40	23.43	16.66	17.28	20.59	5.40	6.07	8.35	4.66	4.50
18	17.28	16.32	25.43	23.51	16.99	17.21	20.07	5.00	6.43	8.09	4.64	4.42
19	18.12	17.13	25.24	23.55	17.89	17.44	19.41	4.80	6.81	7.42	4.68	4.13
20	18.99	18.20	25.09	23.51	18.17	17.95	18.86	4.50	7.25	6.57	4.41	3.80
21	19.71	19.48	25.05	23.48	18.69	18.37	18.38	4.41	7.81	5.93	4.48	3.34
22	20.07	20.39	25.10	23.32	18.72	18.79	17.75	4.53	8.18	5.28	4.96	3.37
23	20.39	20.97	25.04	23.15	18.73	19.14	17.17	4.40	8.59	4.80	4.92	3.20
24	20.65	21.65	24.82	22.82	18.91	19.39	16.81	4.09	9.11	4.30	5.22	2.45
25	20.67	22.15	24.41	22.46	19.03	19.69	16.15	3.91	9.87	4.35	5.69	2.58
26	20.85	22.51	23.95	21.92	19.35	19.90	15.72	3.82	9.90	4.48	6.41	2.69
27	20.94	22.95	23.47	21.31	19.36	20.32	14.78	3.82	9.92	4.40	7.28	2.80
28	20.89	23.43	22.80	20.25	19.44	20.71	13.65	3.75	9.93	4.96	7.80	2.70
29	20.80	-----	22.39	19.43	19.31	21.67	12.63	3.76	9.78	5.58	8.10	3.20
30	20.41	-----	22.16	18.23	19.06	21.61	11.69	3.91	9.55	6.15	8.60	3.20
31	20.02	-----	21.86	-----	18.90	-----	10.99	4.08	-----	6.99	-----	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.34	17.82	24.87	22.22	16.28	18.50	19.27	6.01	7.04	7.28	6.00	4.79
MAX	20.94	23.43	26.29	23.55	19.44	21.67	22.76	10.58	9.93	9.09	8.60	8.38
MIN	6.24	13.45	21.86	18.23	11.20	17.21	10.99	3.75	4.29	4.30	4.41	2.45
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 13.84.

HIGHEST STAGE WAS 26.44 AT 6:00 P.M. ON MAR 11.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.07 ON DEC 23.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT COLLEGE POINT (LA.)

LOCATION. LAT. 29-59-44, LONG. 90-49-33. COLLEGE POINT LANDING AT MILE 157.4 (1962 SURVEY).
(STA. 0124010.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,870 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 17 FEET. LOW WATER REFERENCE PLANE, 1.06 FEET ON GAGE. PRIOR TO 1975 GAGE ZERO WAS 0.42 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, DEC. 18, 1879 TO SEP. 30, 1885, AND DEC. 1, 1888 TO DATE.

EXTREMES. HIGHEST, 32.32 FEET ON MAY 15, 1927. LOWEST, MINUS 0.60 FOOT ON JAN. 12, 1918.
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.00	17.80	21.55	19.60	15.70	16.70	19.40	10.70	5.20	8.30	7.00	7.70
2	7.10	17.20	22.00	19.45	14.60	16.35	19.45	9.90	5.50	7.90	7.35	7.40
3	8.60	16.45	22.35	19.40	13.30	16.10	19.70	9.20	5.80	7.60	7.45	7.10
4	10.10	15.60	22.70	19.50	12.05	15.90	20.20	8.80	6.10	7.60	7.30	6.70
5	11.10	14.80	23.00	19.75	11.40	15.80	20.25	8.50	6.80	7.70	6.85	6.30
6	12.20	14.10	23.25	19.90	10.90	15.90	20.20	8.20	6.80	7.85	6.40	5.85
7	13.00	13.50	23.35	19.95	10.40	15.75	20.30	7.90	6.80	7.80	5.90	5.70
8	13.20	13.30	23.40	20.05	9.90	15.85	20.30	8.00	6.80	7.70	5.80	6.00
9	13.40	13.30	23.50	20.10	10.30	16.00	20.30	8.00	6.80	7.50	5.20	6.10
10	13.50	13.35	23.70	20.30	10.90	16.10	20.30	7.80	6.75	7.40	4.80	5.80
11	13.30	13.45	23.70	20.60	11.60	16.10	20.05	7.50	6.70	7.30	4.70	5.10
12	12.90	13.80	23.65	20.70	12.20	16.10	19.85	7.30	6.70	7.40	4.80	5.10
13	12.80	14.30	23.60	20.80	12.80	16.00	19.60	7.10	6.80	7.40	4.90	4.80
14	12.90	14.65	23.40	20.80	13.30	15.70	19.40	6.85	6.80	7.55	5.20	4.50
15	13.50	14.70	23.20	20.90	13.75	15.75	19.20	6.55	6.80	7.70	5.40	4.40
16	14.20	14.65	23.00	21.00	14.00	15.50	19.00	6.35	6.80	7.85	5.10	4.30
17	14.80	14.60	22.95	21.10	14.40	15.50	18.80	6.00	6.90	7.70	4.60	4.30
18	15.50	14.70	22.90	21.20	14.65	15.50	18.45	5.75	6.90	7.45	4.20	4.20
19	16.40	15.40	22.75	21.15	15.80	15.60	18.00	5.55	7.35	6.85	4.25	4.00
20	17.20	16.50	22.60	21.15	16.40	16.10	17.40	5.50	7.65	6.10	4.30	3.70
21	17.70	17.65	22.60	21.10	16.70	16.45	16.70	5.40	8.10	5.50	4.45	3.40
22	18.20	18.60	22.70	21.05	16.90	16.80	16.10	5.60	8.45	4.90	4.70	3.30
23	18.60	19.10	22.60	20.90	16.95	17.15	15.60	5.55	8.70	4.60	4.70	3.20
24	18.85	19.70	22.40	20.60	17.05	17.50	15.10	5.10	8.90	4.40	4.80	2.60
25	18.90	20.20	22.10	20.25	17.25	17.90	14.60	4.95	9.20	4.10	5.00	2.20
26	19.05	20.50	21.70	19.85	17.45	18.10	13.90	4.85	9.10	4.25	5.80	2.50
27	19.10	20.85	21.20	19.25	17.50	18.35	13.00	4.80	9.00	4.25	6.60	2.70
28	18.90	21.25	20.70	18.50	17.45	18.70	12.10	4.75	9.00	4.40	7.20	2.70
29	18.95	-----	20.20	17.60	17.40	19.60	11.30	4.75	8.90	5.00	7.60	3.10
30	18.70	-----	20.10	16.65	17.25	19.50	10.60	4.90	8.70	5.95	7.75	3.30
31	18.40	-----	19.80	-----	17.00	-----	10.70	5.00	-----	6.50	-----	3.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.71	16.21	22.47	20.10	14.43	16.61	17.41	6.68	7.36	6.60	5.67	4.55
MAX	19.10	21.25	23.70	21.20	17.50	19.60	20.30	10.70	9.20	8.30	7.75	7.70
MIN	5.00	13.30	19.80	16.65	9.90	15.50	10.60	4.75	5.20	4.10	4.20	2.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 12.71.

HIGHEST STAGE WAS 23.70 ON MAR 10 AND LATER DATE(S).

LOWEST STAGE WAS 1.90 ON DEC 28.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT RESERVE, LA.

LOCATION. LAT. 30-03-20, LONG. 90-34-07. WHARF AT MILE 138.7 (1962 SURVEY). (STA. 0126006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. GAGE READ BY NATIONAL WEATHER SERVICE. DRAINAGE AREA, (REVISED)
1,125,880 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 15 FEET. LOW WATER REFERENCE
PLANE, 0.7 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, 1936 TO DATE.

EXTREMES. HIGHEST, 26.0 FEET ON JUNE 11, 1929. LOWEST, MINUS 0.1 FOOT ON FEB. 3, 1940.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.44	15.19	18.40	16.64	13.30	14.67	16.57	7.90	3.42	6.26	5.68	6.20
2	5.63	14.66 E	18.70	16.46	12.40	14.17	16.58	7.30	3.41	6.40	6.16	6.00
3	6.97	13.96	19.31	16.40	11.20	14.17	16.58	6.60	3.61	6.33	6.24	5.60
4	8.18	13.42	19.73	16.53	10.20	13.59 E	17.00	6.30	4.10	6.31	5.98	5.20
5	9.06	12.61	19.98	16.69 E	9.70	13.42 E	17.10 E	6.00	4.10	6.47	5.65	4.90
6	10.07	12.00	20.08	16.79	8.90	13.42	17.33	5.80	4.50	6.64	5.30	4.50
7	10.61	11.56	20.19	16.81	8.30	13.41	17.33	5.65	4.63	6.60	4.90	4.30
8	11.00	11.27	20.29	16.88	8.27	13.50	17.33	5.82	4.70	6.49	4.90	4.70
9	11.20	11.29	20.43	17.02	8.63	13.59	17.33	5.78	4.71	6.44	4.30 E	4.30
10	11.30	11.27	20.50	17.10	9.18	13.80	17.26	5.62	4.72	6.31	4.00	4.10
11	11.10	11.33	20.44	17.40	9.68	13.81	17.09	5.46	4.79	6.10 E	3.60 E	3.90
12	10.72	11.56	20.51 E	17.50	10.18	13.71	16.90	5.37	4.96	6.20 E	3.70	4.20
13	10.62	12.04	20.67	17.71	10.67	13.59	16.83	5.24	5.11	6.20 E	3.70 E	4.00
14	10.83	12.40	20.36	17.61	11.11	13.42	16.58	4.83	5.14	6.50 E	4.20 E	3.90
15	11.39	12.41	20.11	17.50	11.39	13.43	16.33	4.50	4.98	6.53	4.50	3.70
16	11.84	12.34	20.01	17.43	11.65	13.43	16.08	4.30	4.75	6.46 E	4.30	3.60
17	12.38	12.35	19.86	17.41	11.84	13.02	15.75	3.90	4.52	6.26 E	3.90	3.50
18	12.95	12.56	19.74	17.41	12.22	13.17	15.39	3.70	4.38	5.77 E	3.80	3.60
19	13.76	13.15	19.61	18.24	12.85	13.26	14.89	3.60	4.54	5.04 E	3.70	3.40
20	14.49	14.10	19.48	18.22	13.84	13.60	14.88	3.60	5.01	4.52 E	3.70	3.10
21	15.22	14.90	19.52	18.23	14.17 E	13.90	14.50	3.50	5.36	4.07	3.70	3.10
22	15.56 E	15.70	19.57	18.37	14.42 E	14.20 E	13.80	3.40	5.92	3.77 E	4.00 E	2.70
23	15.85 E	16.10	19.55	18.56	14.42	14.60 E	13.40	3.32	6.29	3.77 E	3.90 E	2.30
24	16.09 E	16.60	19.31	18.75	14.45	14.90 E	13.10	3.21 E	7.10	3.57 E	3.80 E	1.80
25	16.14	16.80	18.97	17.32	14.67	15.20	12.40	3.31 E	7.60	3.27 E	4.20 E	1.80
26	16.31	17.00	18.54	16.84	14.85	15.50	11.90	3.41	7.51	3.33 E	4.70 E	1.90
27	16.29	17.20	18.17	16.34	14.85	15.80	11.90	3.51	7.30	3.31 E	5.30 E	1.90
28	16.39 E	18.00	17.69	15.67	14.83	16.10	10.32	3.42	7.17	3.66 E	5.80 E	1.90
29	16.33	-----	17.17	14.89	14.81	16.58	9.42	3.52	7.08	4.11 E	6.10 E	2.40
30	16.00	-----	17.05	13.94	14.69	16.58	8.66	3.43	6.70	4.81	6.20 E	2.40
31	15.71	-----	16.79	-----	14.67	-----	8.10	3.38	-----	5.40	----- E	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.40	13.71	19.37	17.09	12.14	14.18	14.79	4.67	5.27	5.38	4.66	3.61
MAX	16.39	18.00	20.51	18.75	14.85	16.58	17.33	7.90	7.60	6.64	6.24	6.20
MIN	4.44	11.27	16.79	13.94	8.27	13.02	8.10	3.21	3.41	3.27	3.60	1.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 10.58.

HIGHEST STAGE WAS 20.67 AT 7:00 P.M. ON MAR 11.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS ESTIMATED 1.80 ON DEC 24 AND LATER DATE(S).

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT BONNET CARRE (LA.)

LOCATION. LAT. 29-59-55, LONG. 90-26-35. ON LEFT BANK NEAR LOWER GUIDE LEVEE OF BONNET CARRE SPILLWAY AT MILE 127.1 (1962 SURVEY). (STA. 0128007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,890 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 14 FEET. LOW WATER REFERENCE PLANE, 0.68 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGE SLIGHTLY SEVERAL TIMES DURING PERIOD OF RECORD. PRIOR TO 1974 GAGE ZERO WAS 0.08 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAR. 19, 1930 TO 1973, 1975 TO 1980, 1982 TO DATE. BUT ONLY ABOVE TEN FEET FOR 1953 TO 1984.

EXTREMES. HIGHEST, 23.79 FEET (FROM WATERMARK) ON JUNE 10, 1929. LOWEST, MINUS 0.62 FOOT ON JAN. 24 AND 25, 1940. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		F 13.50	F 16.60	14.92	11.97 F	12.60	15.61	7.18	3.16	5.94 F	4.62	5.46
2		13.11	16.95	14.82	11.11 F	12.60	15.24	7.20	2.84	5.88	5.39	5.21
3	F 6.60	12.48	17.28	14.77	10.14 F	12.70 F	15.05	7.01	3.01	5.66	5.41	4.92
4	7.25		17.54	14.93	9.02		15.65	6.25	3.43	5.67	5.17	4.58
5	7.83		17.83	15.02	8.68 F	11.85	15.67	6.09	3.93	5.78	4.89	4.28
6	7.67 F	10.25 F	18.00	15.13	7.90 F	11.95	15.57		4.39	5.87 F	4.20	4.09
7	9.06		18.13	15.17	7.47 F	12.00	15.43	4.88	4.35	5.95		3.93
8	F 9.35	9.80	18.30	15.19	7.45 F	12.10		4.97	4.40	6.22		4.23
9	9.64 F	10.00	18.31	15.32	7.83			4.84		6.04 F	3.70	3.87
10	9.83 F	10.00 F	18.30	15.43	8.19	F 15.50		4.80		6.20	3.30	3.60
11	F 9.50		18.37	15.67	8.68		15.51	4.83	4.48	5.38	3.15	3.63
12	9.57		18.50	15.72 F	9.30 F	12.25	15.26	4.93	4.50	5.23	3.18	3.54
13	9.35		18.19	15.86 F	9.90 F	12.10	15.31	4.72	4.51	5.19	3.34	3.46
14	9.82	10.81	17.97	15.91			15.39	4.67	4.40	5.58	3.85 F	2.25
15	10.22	10.89	17.86	16.01 F	10.40 F	12.10		4.15	4.18	5.41	4.04 F	2.30
16	10.49		17.77	16.03 F	10.40 F	11.75		3.76	3.98	5.55	3.80	
17	9.84	10.87	17.59	16.17 F	10.60 F	11.80 F	14.05	3.62	3.99	5.58 F	2.50	
18	11.49	11.09	17.74	16.23 F	11.15		F 13.75	3.32	4.23	5.29	3.15 F	2.55
19	F 12.25	11.66	16.24 F	11.65			F 13.30	3.13	4.71	5.11	3.04 F	2.60
20	F 12.80	12.47 F	17.50	16.19			F 12.85	3.14	4.92	4.57	2.94	
21		13.48	17.42	16.18			F 12.70	3.17	4.99		3.04 F	2.20
22		14.19	17.50	16.15 F	13.00			3.47	5.69		3.28	
23	F 14.00	14.59	17.55	15.96	12.86			2.97	5.84 F	3.10		
24		15.02	17.47	15.72	13.13		F 11.50 F	2.35	6.27			
25	F 14.45	15.32	17.17	15.40	13.23		F 11.10	3.27	6.59 F	2.90		
26	F 14.60	15.71	16.84	14.96	13.17 F	13.90 F	10.60	3.18	6.82 F	2.95		
27	14.57	15.98	16.46	14.49	13.23 F	14.15 F	9.90	3.02	6.68 F	2.85		
28	14.63	16.50	16.10 F	14.08	13.26 F	14.50 F	9.30	3.05	6.62			
29	14.62	-----	15.64	13.45	13.28 F	15.00 F	8.50	3.02	6.52		F 5.60 F	1.50
30	14.35	-----	15.30	12.55	13.28	15.14		2.99	6.30 F	4.10		
31	13.87	-----	14.91	-----	12.99	-----	8.87	2.98	----- F	4.28	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.13	12.75	17.37	15.32	10.83	12.85	13.40	4.23	4.85	5.09	3.89	3.59
MAX	14.63	16.50	18.50	16.24	13.28	15.14	15.67	7.20	6.82	6.22	5.60	5.46
MIN	6.60	9.80	14.91	12.55	7.45	11.75	8.50	2.35	2.84	2.85	2.50	1.50
DAYS	25	21	30	30	28	17	24	30	28	26	21	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 299

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.75.

HIGHEST STAGE WAS 18.63 AT 8:00 P.M. ON MAR 12.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.50 ON DEC 29.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT NEW ORLEANS (CARROLLTON), LA.

LOCATION. LAT. 29-56-05, LONG. 90-08-10. CORPS OF ENGINEERS DOCK AT MILE 102.8 (1962 SURVEY).
(STA. 0130007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,910 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 11.0 FEET. LOW WATER REFERENCE PLANE, 0.48 FOOT ON GAGE. NATURAL FLOW IS AFFECTED BY TIDES. GAGE PRIOR TO 1957 WAS AT MILE 103.5.

RECORDS AVAILABLE. STAGE, JAN. 12, 1872 TO DATE. DISCHARGE, INTERMITTENTLY, 1851, 1852, 1879 TO 1950, 1969, 1971, AND 1973 TO DATE. COMPUTED DAILY, 1928 TO 1936 AND 1938 TO 1944.

EXTREMES. HIGHEST, 21.27 FEET ON APR. 25, 1922. LOWEST, MINUS 1.60 FEET ON DEC. 27, 1872.
MAXIMUM, 1,557,000 CFS WAS OBSERVED ON MAY 18, 1927 (STAGE, 20.5), AT MERAUX, LA. (MILE 87.1).
BUT FLOW WAS AFFECTED BY ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6)
MINIMUM, 49,200 CFS OBSERVED ON NOV. 1, 1939 (STAGE, 1.2).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1986 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.94	10.86	13.10 E	11.90	9.53	10.30	12.08	5.87	2.58	4.67	3.90	4.38
2	3.56	10.41	13.47 E	11.90	8.85	10.12	12.12	5.28	2.58	4.63	4.30	4.19
3	4.50	9.88	13.78	11.83	8.05	9.90	12.20	4.80	2.83	4.36	4.49	3.95
4	5.32	9.27	14.05	11.95	7.34	9.73	12.38	4.60	3.21	4.42	4.30	3.73
5	5.98	8.88	14.30	12.07	6.95	9.55	12.45	4.25	3.75	4.57	4.10	3.45
6	6.72	8.44	14.15	12.13	6.27	9.50	12.35	4.08	3.80	4.78	3.92	3.21
7	7.08	8.14	14.22	12.15	5.90	9.49	12.35	4.20	3.78	4.83	3.80	3.05
8	7.42	7.88	14.37	12.20	5.78	9.60	12.40	4.33	3.80	4.79	3.68	3.21
9	7.55	7.88	14.45	12.20	6.17	9.60	12.43	4.48	3.82	4.87	3.07	2.78
10	7.75	7.80	14.52	12.30	6.34	9.74	12.50	4.46	3.78	4.67	2.62	2.50
11	7.55	7.80	14.48	12.55	6.80	9.77	12.42	4.30	3.87	4.46	2.36	2.43
12	7.28	7.87	14.50	12.60	7.06	9.80	12.28	4.25	3.90	4.44	2.32	2.53
13	7.13	8.25	14.54	12.77	7.58	9.72	12.20	4.23	3.85	4.31	2.42	2.36
14	7.30	8.45	14.42	12.83	7.87	9.55	12.06	3.95	3.69	4.46	2.95	2.25
15	7.59	8.48	14.26	12.94	8.02	9.65	11.85	3.70	3.56	4.59	3.17	2.35
16	7.84	8.44	14.22	12.95	8.20	9.37	11.58	3.44	3.38	4.55	3.10	2.47
17	8.17	8.45	14.08	13.04	8.45	9.27	11.34	3.15	3.42	4.60	2.70	2.45
18	8.62	8.65	14.05	13.05	8.68	9.25	11.03	2.83	3.64	4.55	2.57	2.53
19	9.22	9.14	13.97	13.05	9.39	9.57	10.65	2.69	4.08	4.21	2.40	2.37
20	9.88	9.87	13.94	13.01	9.85	9.60	10.34	2.75	4.24	3.61	2.42	2.00
21	10.61	10.72	14.00	13.00	10.27	9.90	10.10	2.78	4.60	3.23	2.52	1.62
22	10.90	11.27	14.08	12.94	10.33	10.10	9.77	3.12	4.77	2.95	2.68	1.44
23	11.19	11.55	14.12	12.75	10.25	10.50	9.36	3.15	4.80	2.75	2.45	0.95
24	11.50	11.97	13.84	12.66	10.30	10.69	9.15	2.93	5.30	2.60	2.45 F	0.55
25	11.47	12.20	13.58	12.37	10.50	11.00	8.86	2.98	5.94	2.34	2.75	0.62
26	11.66	12.50	13.35	12.00	10.65	11.23	8.50	2.95	5.61	2.39	3.13	0.75
27	11.58	12.68 F	13.10	11.64	10.62	11.46	8.03	2.95	5.37	2.25	3.47	0.95
28	11.70	13.00	12.75	11.13	10.62	11.79	7.49	2.69	5.23	2.56	3.94	0.87
29	11.66	-----	12.40	10.64	10.65	12.27	6.94	2.68	5.20	2.79	4.28	1.45
30	11.42	-----	12.30	10.00	10.57	12.22	6.35	2.56	5.04	3.28	4.36	1.73
31	11.10	-----	12.10	-----	10.49	-----	6.00	2.50	-----	3.66	-----	2.32

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.52	9.67	13.82	12.28	8.66	10.14	10.63	3.64	4.11	3.91	3.22	2.30
MAX	11.70	13.00	14.54	13.05	10.65	12.27	12.50	5.87	5.94	4.87	4.49	4.38
MIN	2.94	7.80	12.10	10.00	5.78	9.25	6.00	2.50	2.58	2.25	2.32	0.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
E=ESTIMATED F=NOT AT STATED TIME
THE MEAN STAGE FOR THE YEAR WAS 7.56.
HIGHEST STAGE WAS 14.77 AT 6:30 P.M. ON MAR 13.
LOWEST STAGE WAS 0.36 ON DEC 28.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER (IWM) AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-35, LONG. 90-05-04. ON FOREBAY LOCK WALL AT MILE 98.3 (1962 SURVEY).
(STA. 0132007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 9.5 FEET. LOW WATER REFERENCE PLANE, 0.35 FOOT ON GAGE.
PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. STAGE, JAN. 1, 1924 TO DATE.

EXTREMES. HIGHEST, 19.42 FEET ON APR. 24, 1927. LOWEST, MINUS 0.68 FOOT ON DEC. 17 AND 18, 1953.
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.60	10.25	12.45	11.39	9.20	9.65	11.59	5.50	2.35	4.60	3.35	4.30
2	3.14	9.79	12.70	11.29	8.65	9.50	11.79	4.54	2.45	4.45	4.40	4.00
3	4.13	9.75	13.20	11.32	7.60	9.30	11.51	4.45	2.55	4.10	4.50	4.05
4	4.79	9.00	13.26	11.37	7.00	9.10	11.86	4.35	3.13	4.05	4.25	4.15
5	5.42	8.35	13.27	11.50	6.50	8.97	11.79	3.90	3.45	4.30	3.85	3.84
6	6.28	8.10	13.59	11.60	5.86	9.00	11.68	3.81	3.65	4.50	3.75	3.30
7	6.66	7.52	13.66	11.60	5.38	9.00	11.73	4.17	3.60	4.45	3.50	3.05
8	6.93	7.42	13.58	11.70	5.10	9.05	11.93	4.15	3.75	4.55	3.58	3.15
9	7.45	7.50	13.71	11.75	5.74	9.02	11.80	4.10	3.65	4.60	3.01	2.90
10	7.50	7.35	13.80	11.66	6.00	9.26	11.84	4.00	3.70	4.65	2.45	2.50
11	6.90	7.30	13.70	12.00	6.20	9.20	11.75	3.93	3.50	4.30	2.05	2.38
12	6.85	7.52	13.65	12.01	6.60	9.34	11.60	3.80	3.50	4.15	2.28	2.15
13	6.85	7.70	13.68	12.08	6.98	9.22	11.80	3.90	3.45	4.20	2.45	2.45
14	6.95	8.05	13.59	12.28	7.35	9.05	11.50	3.70	3.40	4.40	2.50	2.46
15	7.20	8.00	13.56	12.30	7.62	9.25	11.45	3.50	3.20	4.45	3.20	2.43
16	7.45	7.96	13.46	12.28	7.78	8.90	11.00	3.14	3.40	4.44	3.12	2.55
17	7.90	8.04	13.40	12.38	7.90	8.75	11.78	2.78	3.46	4.50	2.70	2.38
18	8.30	8.16	13.30	12.35	7.95	8.80	10.50	2.50	3.45	4.34	2.46	2.51
19	8.80	8.70	13.24	12.50	8.95	8.80	10.00	2.46	3.96	4.10	2.70	2.25
20	9.50	9.39	13.25	12.50	9.25	9.20	9.80	2.70	4.10	3.76	2.22	2.01
21	10.20	10.30	13.18	12.45	9.65	9.40	9.56	2.40	4.34	3.10	2.35	1.45
22	10.34	10.85	13.28	12.40	9.63	9.54	9.50	3.16	4.51	2.74	2.42	1.35
23	10.62	10.95	13.25	12.20	9.75	9.96	8.84	3.21	4.63	2.38	2.31	0.86
24	10.90	11.28	13.05	11.97	9.45	10.10	8.75	2.57	4.93	2.45	2.10	0.84
25	10.95	11.48	12.95	11.90	9.80	10.38	8.48	2.62	5.47	2.04	2.40	0.86
26	11.00	11.60	12.50	11.36	10.10	10.63	8.20	2.55	5.97	2.00	2.80	0.82
27	10.85	12.00	12.25	10.95	9.98	10.76	8.10	2.76	5.12	2.05	3.30	0.67
28	11.00	12.45	12.20	10.50	9.99	11.14	7.30	2.17	5.30	2.09	3.43	0.73
29	11.02	-----	11.95	10.06	10.14	11.64	6.65	1.11	4.95	2.98	4.40	1.05
30	10.75	-----	11.65	9.54	10.02	11.84	6.00	2.50	4.80	3.10	4.30	1.02
31	10.45	-----	11.54	-----	9.90	-----	5.54	2.25	-----	2.95	-----	1.59

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.05	9.17	13.09	11.71	8.13	9.59	10.18	3.34	3.92	3.70	3.07	2.26
MAX	11.02	12.45	13.80	12.50	10.14	11.84	11.93	5.50	5.97	4.65	4.50	4.30
MIN	2.60	7.30	11.54	9.54	5.10	8.75	5.54	1.95	2.35	2.00	2.05	0.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.17.

HIGHEST STAGE WAS 13.80 ON MAR 10.

LOWEST STAGE WAS 0.67 ON DEC 27.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER (IWW) AT INNER HARBOR NAVIGATION CANAL LOCK (LA.)

LOCATION. LAT. 29-57-46, LONG. 90-01-45. ON HANDRAIL OF FOREBAY WALL AT MILE 92.7 (1962 SURVEY).
(STA. 0134007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. BANKFULL STAGE, 8.5 FEET. LOW WATER REFERENCE PLANE, 0.15 FOOT ON GAGE.
PRIOR TO 1975 GAGE ZERO WAS MINUS 20.48 FEET, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1945 TO DATE.

EXTREMES. HIGHEST, 17.52 FEET FROM APR. 27 TO 29, 1945 AND FEB. 10 AND MAR. 4, 1950. LOWEST,
MINUS 0.48 FOOT ON DEC. 15, 1953 AND JAN. 4, 1954. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.70	9.70	11.65	10.80	8.00	9.40	10.90	5.10	2.30	4.30	3.20	3.80
2	3.10	9.40	11.90	10.60	8.10	9.20	11.10	5.90	2.50	4.30	3.90	2.90
3	3.90	8.70	12.20	10.60	7.20	9.10	10.80	4.50	2.60	4.00	4.20	3.50
4		8.30	12.40	10.70	6.60	9.00	11.20	4.20	3.00	4.30	3.90	3.40
5	5.20	7.80	12.60	10.90	6.20	8.60	11.30	3.80	3.40	4.20	3.80	3.20
6	5.80	7.60	12.60	11.00	5.40	8.60	11.20	4.00	3.50	4.50	3.20	2.85
7	6.10	7.00	12.60	10.90	5.20	8.70	11.10	4.00	3.60	4.50	3.20	2.70
8	6.50	6.70	12.80	10.90	5.20	8.60	11.20	3.90	3.50	4.20	3.40	2.80
9	6.90	7.50	12.80	11.00	5.20	8.60	11.30	4.20	3.40	4.40	3.40	2.30
10	7.00	6.80	12.90	11.00	5.70	9.00	11.30	4.10	3.50	4.40	2.60	2.30
11	6.60	7.20	12.80	11.10	6.00	8.80	11.20	3.90	3.40	4.10	2.50	2.90
12	6.40	7.00	12.90	11.30	6.30	8.80	11.00	3.80	3.40	4.20	2.30	2.20
13	6.40	7.20	13.00	11.60	6.70	8.70	11.00	3.10	3.60	4.00	2.20	2.60
14	6.60	7.50	12.80	11.60	7.10	8.70	10.90	3.80	3.40	4.10	2.50	2.00
15	6.60	7.50	12.70	11.60	7.30	8.70	10.70	3.80	3.30	4.30	2.90	2.20
16	7.00	7.60	12.60	12.00	7.50	8.60	11.00	3.20	3.10	4.30	2.70	2.10
17	7.10	7.50	12.60	11.90	7.70	8.40	10.20	3.10	3.30	4.30	2.40	2.20
18	7.60	7.70	12.60	11.90	8.10	8.50	10.20	2.40	3.60	4.20	2.30	2.30
19	8.10	8.20	12.40	11.70	8.60	8.60	9.70	2.30	3.60	4.00	2.30	2.30
20	8.80	8.90	12.30	11.60	8.90	9.00	9.40	2.50	4.00	3.20	2.20	1.70
21	9.40	9.60	12.40	11.60	9.30	9.00	9.10	2.70	3.70	3.50	2.40	1.30
22	9.80	10.10	12.40	11.60	9.10	9.60	9.00	3.70	4.40	2.80	2.40	1.50
23	10.00	10.20	12.50	11.50	9.20	9.60	8.50	3.70	4.60	3.00	2.50	0.00
24	10.30	10.50	12.30	11.40	9.10	9.80	8.10	2.70	4.80	3.00	2.50	1.40
25	10.30	10.80	12.20	11.10	9.40	10.00	8.00	2.60	5.50	2.10	2.40	1.30
26	10.50	11.10	11.90	11.60	9.60	10.20	7.40	2.60	5.20	2.20	2.60	1.40
27	10.40	11.30	11.70	10.80	9.50	10.40	6.90	2.70	4.80	1.90	3.10	0.80
28	10.40		11.30	10.00	9.50	10.70	6.90	2.40	4.70	2.20	3.40	0.40
29	10.40	-----	11.50	10.20	9.50	10.60	6.60	2.40	4.80	2.30	3.80	1.30
30	10.10	-----	11.00	9.00	9.50	11.20	5.30	2.30	4.70	2.80	3.80	1.50
31	9.90	-----	10.80	-----	9.60	-----	5.00	2.00	-----	3.30	-----	2.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.66	8.50	12.30	11.12	7.75	9.22	9.60	3.40	3.77	3.64	2.93	2.11
MAX	10.50	11.30	13.00	12.00	9.60	11.20	11.30	5.90	5.50	4.50	4.20	3.80
MIN	2.70	6.70	10.80	9.00	5.20	8.40	5.00	2.00	2.30	1.90	2.20	0.00
DAYS	30	27	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 6.82.

HIGHEST STAGE WAS 13.00 ON MAR 13.

LOWEST STAGE WAS 0.00 ON DEC 23.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT CHALMETTE, LA.

LOCATION. LAT. 29-36-42, LONG. 90-00-12. PIER ON UPSTREAM END OF AMERICAN SUGAR REFINERY WHARF, NEAR CHALMETTE SLIP, AT MILE 91.0 (1962 SURVEY). (STA. 0136007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,920 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 8.0 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. GAGE PRIOR TO MAY 17, 1951, WAS 0.3 MILE DOWNSTREAM. SUBTRACT 0.1 FROM DAILY STAGES FROM 1954 TO 1964. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.22 FEET, NGVD.

RECORDS AVAILABLE. STAGE, OCT. 23, 1923 TO DATE.

EXTREMES. HIGHEST, 17.58 FEET ON APR. 25 AND 26, 1927. LOWEST, MINUS 0.52 FOOT ON JAN. 24 AND 26, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.48	9.40	11.29	10.30	8.25	9.02	10.67	5.23	2.22	4.03	3.19	3.83
2	3.00	8.99	11.60	10.30	7.74	8.84	10.70	4.60	2.12	4.02	3.88	3.66
3	3.80	8.50	11.85	10.25	7.03	8.77	10.73	4.15	2.32	3.80	3.75	3.40
4	4.50	7.90	12.07	10.40	6.49	8.56	10.85	3.92	2.78	3.86	3.50	3.26
5	4.97	7.70	12.31	10.48	6.13	8.40	10.95	3.69	3.20	4.00	3.43	3.00
6	5.67	7.28	12.20	10.55	5.42	8.33	10.81	3.55	3.29	4.20	3.38	2.77
7	5.97	7.00	12.30	10.52	5.05	8.27	10.82	3.60	3.30	4.27		2.62
8	6.20	6.75	12.39	10.53	4.92	8.46	10.89	3.78	3.32	4.23		2.73
9	6.43	6.76	12.43	10.50	5.30	8.34	10.91	3.83	3.35	4.42		2.25
10	6.68	6.68	12.47	10.59	5.39	8.50	10.94	3.74	3.37	4.23		2.05
11	6.50	6.65	12.43	10.84	5.79	8.52	10.89	3.65	3.42	4.02		1.99
12	6.28	6.75	12.45	10.85	6.01	8.53	10.78	3.64	3.49	3.99		2.00
13	6.08	7.10	12.40	11.00	6.50	8.48	10.71	3.60	3.45	3.83		1.81
14	6.26	7.27	12.35	11.00	6.78	8.32	10.59	3.50	3.29	3.94		1.80
15	6.49	7.30	12.29	11.19	7.01	8.45	10.44	3.29		3.90		1.90
16	6.64	7.20	12.20	11.20	7.20	8.19	10.13	3.03		3.80 F	1.55	2.11
17	6.98	7.27	12.11	11.30	7.45	8.08	9.90	2.73		3.84	2.38	2.10
18	7.38	7.43	12.10	11.28	7.69	8.05	9.72	2.40		3.90	2.24	2.13
19	7.94	7.87	12.00	11.30	8.39	8.31	9.40	2.16		3.60		2.00
20	8.52	8.59	12.00	11.20	8.71	8.50	9.05	2.25		3.10	2.02	1.60
21	9.23	9.30	12.02	11.21	9.05	8.75	8.87	2.37	4.08	2.80	2.12	1.21
22	9.45	9.80	12.05	11.23	9.09	8.90	8.55	2.70	4.18	2.54	2.28	0.97
23	9.63	9.93	12.20	11.05	8.99	9.19	8.19	2.80	4.30	2.35	1.92 F	0.97
24	9.90	10.30	11.91	10.90	8.99	9.38	8.04	2.59	4.79	2.22	1.95 F	0.93
25	9.92	10.48	11.68	10.65	9.11	9.62	7.88	2.67	5.39	2.00	2.24 F	0.94
26	10.13	10.70	11.50	10.34	9.27	9.89	7.53	2.68	5.04	2.00	2.59 F	0.93
27	10.00	10.94	11.16	10.00	9.18	10.12	7.15	2.65	4.75	1.83	2.90 F	0.95
28	10.08	11.25	10.90	9.60	9.19	10.48	6.67	2.45	4.65	2.12	3.39 F	0.95
29	10.16	-----	10.62	9.19	9.26	10.80	6.20	2.45	4.65	2.27	3.72	0.92
30	9.90	-----	10.56	8.64	9.24	10.79	5.65	2.25	4.43	2.68	3.79	0.96
31	9.59	-----	10.38	-----	9.20	-----	5.28	2.20	-----	2.94	-----	1.65

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.31	8.32	11.88	10.61	7.54	8.89	9.35	3.17	3.72	3.38	2.81	1.95
MAX	10.16	11.25	12.47	11.30	9.27	10.80	10.95	5.23	5.39	4.42	3.88	3.83
MIN	2.48	6.65	10.38	8.64	4.92	6.05	5.28	2.16	2.12	1.83	1.55	0.92
DAYS	31	28	31	30	31	30	31	31	24	31	20	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 349

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.72.

HIGHEST STAGE WAS 12.71 AT 7:30 P.M. ON MAR 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.92 ON DEC 29.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER (IWM) AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-50, LONG. 89-58-20. ON FOREBAY LOCK WALL AT MILE 88.3 (1962 SURVEY).
(STA. 0138004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.5 FEET. LOW WATER REFERENCE PLANE, 0.08 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. STAGE, MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 16.11 FEET ON APR. 7, 1973. LOWEST, MINUS 0.15 FOOT ON JAN. 19, 1981.
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.39	9.04	10.85	9.92	8.20	8.61	10.24	5.10	2.07	3.85	3.28	3.32
2	2.87	9.04	11.15	9.90	7.63	8.46	10.31	4.51	2.09	3.85	3.61	3.40
3	3.62	8.15	11.40	9.91	6.74	8.33	10.33	3.95	2.35	3.50	3.72	3.00
4	4.38	7.50	11.63	10.05	6.12	8.18	10.44	3.80	2.70	3.53	4.20	2.22
5	4.61	7.30	11.85	10.12	5.88	8.01	10.48	3.60	3.20	3.68	3.45	2.01
6	5.31	6.90	11.69	10.17	5.15	8.00	10.40	3.52	3.28	3.82	3.26	2.57
7	5.65	6.62	11.86	10.19	4.70	7.98	10.40	3.60	3.19	3.87	3.10	2.55
8	5.90	6.46	11.88	10.13	4.55	8.07	10.47	3.71	3.20	3.80	3.20	2.68
9	6.20	6.50	11.90	10.12	4.87	8.02	10.53	3.81	3.23	3.77	2.80	2.60
10	6.29	6.40	11.96	10.11	5.10	8.18	10.58	3.21	3.18	3.70	2.58	2.34
11	6.08	6.32	11.92	10.36	5.55	8.17	10.49	3.05	3.26	3.52	1.90	2.31
12	5.80	6.40	11.92	10.35	5.65	8.19	10.35	3.10	3.18	3.52	1.88	2.39
13	5.60	6.72	11.91	10.45	6.15	8.10	10.20	2.90	3.12	3.45	1.94	2.19
14	5.70	6.90	11.85	10.51	6.40	7.98	10.09	2.82	3.08	3.70	2.27	1.89
15	5.97	6.91	11.75	10.66	6.62	8.08	9.93	2.50	2.95	3.85	2.59	1.73
16	6.17	6.90	11.70	10.77	6.82	7.82	9.76	2.74	2.84	3.90	2.49	1.70
17	6.50	7.00	11.63	10.85	7.03	7.72	9.57	2.53	2.89	3.98	1.98	1.65
18	6.91	7.05	11.60	10.89 F	7.30	7.73	9.31	2.23	3.18	3.88	1.90	1.71
19	7.51	7.50	11.53	10.88	7.75	7.93	9.00	2.09	3.57	3.50	1.89	1.59
20	8.15	8.20	11.55	10.78	8.23	8.12	8.70	2.19	3.68	2.90	1.80	1.48
21	8.97	8.85	11.59	10.80	8.56	8.33	8.50	2.32	3.92	2.50	1.95	1.18
22	9.12	9.37	11.65	10.80	8.55	8.56	8.25	2.72	4.05	2.24	2.15	1.04
23	9.30	9.58	11.77	10.60	8.58	8.85	7.90	2.80	4.04	2.10	2.03	0.65
24	9.60	9.88	11.49	10.45	8.57	9.10	7.72	2.49	4.49	1.90	2.05	0.05
25	9.55	10.06	11.29	10.23	8.62	9.38	7.54	2.53	5.30	1.65	2.28	0.08
26	9.74	10.33	11.14	9.95	8.80	9.60	7.29	2.47	4.93	2.00	2.58	0.44
27	9.60	10.58	10.82	9.62	8.78	9.82	6.89	2.49	4.49	1.90	2.95	0.70
28	9.72	10.88	10.53	9.40	8.80	10.10	6.37	2.20	4.42	2.20	3.32	1.01
29	9.77	-----	10.30	9.03	8.88	10.36	5.93	2.15	4.44	2.40	3.50	1.20
30	9.56	-----	10.18	8.62	8.87	10.38	5.40	2.00	4.25	2.85	3.08	1.90
31	9.17	-----	9.98	-----	8.78	-----	5.06	2.03	-----	3.18	-----	1.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.96	7.98	11.43	10.22	7.17	8.54	8.98	2.94	3.49	3.18	2.66	1.79
MAX	9.77	10.88	11.96	10.89	8.88	10.38	10.58	5.10	5.30	3.98	4.20	3.40
MIN	2.39	6.32	9.98	8.62	4.55	7.72	5.06	2.00	2.07	1.65	1.80	0.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.26.

HIGHEST STAGE WAS 12.20 AT 7:30 P.M. ON MAR 13.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.05 ON DEC 24.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER NEAR BRAITHWAITE, LA.

LOCATION. LAT. 29-51-43, LONG. 89-58-21. ON DOCK OF AMAX NICKEL PLANT, LEFT BANK AT MILE 76.6 (1962 SURVEY). (STA. 0138604.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, FEB. 26, 1977 TO DATE.

EXTREMES. HIGHEST, 12.32 FEET ON MAY 30, 1984. LOWEST, MINUS 0.40 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			9.54	8.71	7.25	7.87	8.33		T			
2			9.85	8.68	6.77	7.73	8.14					
3		7.27	10.00	8.66	6.20	7.67	7.68					
4		6.84	10.10	8.85	5.80	7.52	7.53					
5		6.63	10.41	8.92	5.59	7.39	7.42					
6		6.28		9.01	4.93	7.27	7.34					
7		6.23		9.01	4.60	7.24	6.86					
8		5.98		8.65	4.51	7.36	6.50					
9		6.09		9.01	4.73	7.25	6.38					
10		5.93		9.12	4.71	7.42	5.97					
11		5.83		9.26	5.04	7.38	5.83					
12		5.83		9.18	5.21	7.41	5.86					
13		6.17		9.31	5.64	7.34	5.78					
14		6.28		9.34	5.86	7.27	5.88					
15		6.29		9.48	6.06	7.37	5.63					
16		6.30		9.50	6.23	7.18	5.88					
17		6.28		9.59	6.48	7.07	5.55					
18		6.40		9.60	6.66	7.04	5.58					
19		6.80		9.62	7.28	7.23	5.54					
20		7.40		9.54	7.48	7.31	5.42					
21		8.00		9.48	7.80	7.49	5.34					
22		8.40		9.58	7.75	7.57	5.72					
23		8.70		9.42	7.60	7.79	5.25					
24		8.90		9.27	7.63	7.07	5.11					
25		8.85		9.06	7.75	7.97	5.50					
26		9.10		8.76	7.89	8.16						
27		9.30		8.51	7.79	8.41						
28		9.50		8.19	7.80	8.26						
29		-----		7.94	7.92	8.29		1.68				
30		-----		7.48	7.92	8.35		2.12				
31		-----		-----	7.96	-----		2.27	-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN		7.14	9.98	9.03	6.54	7.58	6.24	2.02				
MAX		9.50	10.41	9.62	7.96	8.41	8.33	2.27				
MIN		5.83	9.54	7.48	4.51	7.04	5.11	1.68				
DAYS	0	26	5	30	31	30	25	3	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 150

T=TEMPORARILY INOPERATIVE

THE MEAN STAGE FOR THE YEAR WAS 7.32.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT ALLIANCE, LA.

LOCATION. LAT. 29-41-07, LONG. 89-58-11. ON UPSTREAM END OF COKE DOCK OF GULF REFINERY, RIGHT BANK AT MILE 62.5 (1962 SURVEY). (STA. 0139004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. BANKFULL STAGE, 7.0 FEET.

RECORDS AVAILABLE. STAGE, APR. 2, 1977 TO DATE.

EXTREMES. HIGHEST, 10.33 FEET ON APR. 22, 1979. LOWEST, MINUS 0.21 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	6.59	7.85	7.21	6.08	6.40	7.64	4.20 F	2.08	3.00	2.37	2.69
2	1.95	6.30	8.12	7.18	5.70	6.47	7.65	3.60	1.86	3.01 F	2.45	2.57
3	2.45	5.95	8.25	7.16	5.21	6.49	7.54	3.29	2.01	2.75	3.00	2.44
4	2.96	5.55	8.43	7.35 F	4.94	6.35	7.59	3.12	2.39	2.86	2.85	2.35
5	3.29	5.49	8.55	7.39	4.75	6.24	7.67	2.90	2.70	3.02	2.83	2.23
6	3.85	5.16	8.39	7.43	4.17	6.13	7.60	2.84	2.81	3.23	2.84	2.17
7	4.07	5.03	8.45	7.44	3.88	6.13	7.57	2.97	2.84	3.35	2.62	2.00
8	4.35	4.90	8.52	7.36	3.74	6.24	7.65 F	3.12	2.85	3.40	2.78	2.06
9	4.56	4.99	8.55	7.36	3.92	6.08	7.73	3.31	2.91	3.69	2.21	1.41
10	4.80	4.86	8.64	7.47	3.89	6.25	7.83	3.25	2.99	3.49	1.72	1.27
11	4.63	4.83	8.57	7.57	4.18	6.20	7.73	3.20	3.01	3.25	1.38	1.18
12	4.50	4.86	8.57	7.51	4.30	6.27	7.66	3.27	3.05	3.15	1.30	1.27
13	4.33	5.12	8.56	7.66	4.67	6.26	7.74	3.29	2.99	2.95	1.35	1.12
14	4.35	5.07	8.47	7.67	4.74	6.23	7.63	3.29	2.75	3.00	1.83	1.12
15	4.46	5.08	8.46	7.80	5.07	6.34	7.54	3.06 F	2.45	2.99	2.05	1.33
16	4.50	5.05	8.40	7.84	5.21	6.10	7.35	2.78		2.90	2.05	1.55
17	4.70	5.13	8.37	7.88	5.43	6.02	7.20	2.49		3.00	1.75	1.66
18	4.93	5.25	8.35	7.92	5.60	5.99	7.04	2.13		3.05	1.65	1.76
19	5.33	5.56	8.33	7.93	6.08	6.19	6.80	1.87		2.89	1.74	1.66
20	5.75	6.15	8.30	7.86	6.20	6.21	6.59	1.97		2.34	1.54	1.30
21	6.55 F	6.48	8.35	7.90 F	6.32	6.42	6.44	2.17 F	3.16	2.18	1.65	0.95
22	6.61		8.44	7.93 F	6.28	6.44	6.24	2.53	3.44	2.03	1.76	0.70
23	6.69 F	6.89	8.57	7.78 F	6.22	6.63	6.03	2.59	3.43	1.90	1.38	0.25
24	6.90	7.10	8.35	7.63 F	6.48	6.75	6.00	2.45	3.90	1.82	1.35 F	0.09
25	6.95	7.16	8.12	7.43	6.43	6.97	5.92		4.50	1.58	1.56	-0.14
26	7.17	7.41	8.04	7.18	6.53	7.17	5.75		4.05	1.58	1.82	-0.05
27	7.07	7.64	7.82	6.96	6.44	7.38	5.53		3.73	1.35	1.98	0.17
28	7.15	7.85	7.63	6.73	6.47	7.60	5.18		3.61	1.60	2.24	0.08
29	7.17	-----	7.45	6.51	6.62	7.82	4.88		3.61	1.65	2.68	0.70
30	7.02	-----	7.40	6.17	6.64	7.77	4.50		3.40	1.95	2.70	0.96
31	6.66	-----	7.27	-----	6.66	-----	4.26		-----	2.15	-----	1.57

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.08	5.83	8.24	7.44	5.45	6.52	6.79	2.90	3.06	2.62	2.05	1.30
MAX	7.17	7.85	8.64	7.93	6.66	7.82	7.83	4.20	4.50	3.69	3.00	2.69
MIN	1.80	4.83	7.27	6.17	3.74	5.99	4.26	1.87	1.86	1.35	1.30	-0.14
DAYS	31	27	31	30	31	30	31	24	25	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.82.

HIGHEST STAGE WAS 8.86 AT 9:00 P.M. ON MAR 14.

LOWEST STAGE WAS MINUS 0.20 ON DEC 25.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT WEST POINTE A LA HACHE, LA.

LOCATION. LAT. 29-34-16, LONG. 89-47-49. ON RIGHT BANK AT PLAQUEMINES PARISH WATER INTAKE, AT MILE 48.7 (1962 SURVEY). (STA. 0140004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,940 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 3.0 FEET. LOW WATER REFERENCE PLANE, 0.06 FOOT ON GAGE. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.06 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, FEB. 24, 1926 TO DATE. DISCHARGE, 1927, 1929, AND 1943.

EXTREMES. HIGHEST, 15.25 FEET (NEAR CREST OF HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.06 FEET ON JAN. 24 AND 25, 1940. EXTREME STAGES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 1,360,000 CFS OBSERVED ABOVE RELIEF OUTLET ON APR. 29, 1927 (STAGE, 9.64 NGVD). ON THE SAME DAY, 1,058,000 CFS WAS OBSERVED BELOW THE OUTLET. THE RELIEF OUTLET, ON THE EAST BANK, EXTENDED FROM ABOUT MILE 33 TO MILE 44. FLOW WAS AFFECTED BY A CREVASSE WHICH OCCURRED ON APR. 23 AT JUNIOR, LA. (MILE 54), AND BY AN ARTIFICIAL CREVASSE MADE ON APR. 29 AT CAERNARVON, LA. (MILE 81.6).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.58	5.46	6.50	6.00	5.23	5.75	6.64	3.85	1.75		1.98	2.25
2	1.62	5.22	6.70	5.93	4.89	5.69	6.67	3.25	1.65	2.85	2.34	2.19
3	2.00	4.90	6.83	5.93	4.54	5.65	6.57	2.97	1.77		2.65	2.12
4	2.44	4.59	7.00	6.15	4.31	5.55	6.55	2.80	2.15 F	2.15	2.54	2.07
5	2.74	4.55	7.10	6.24	4.23	5.44	6.54	2.60	2.48		2.55	1.97
6	3.25	4.32	6.93	6.30	3.68	5.30	6.50	2.53	2.58		2.57	1.93
7	3.42	4.24	7.00	6.32	3.41	5.27	6.47	2.66	2.60		2.39	1.77
8	3.70	4.13	7.09	6.26	3.27	5.37	6.50	2.87	2.63		2.64	1.82
9	3.92	4.30	7.14	6.20	3.46	5.15	6.58	2.88	2.67		2.12	1.15
10	4.17	4.07	7.20	6.25	3.33	5.34	6.68	2.84	2.72 F	3.25	1.56	0.97
11	3.95	4.03	7.16	6.40	3.57	5.27	6.66	2.82	2.73	3.06	1.17	0.87
12	3.93	4.00	7.10	6.30	3.65	5.34	6.62	2.90	2.73	2.96	1.02	1.00
13	3.75	4.24	7.10	6.40	3.99	5.36	6.66	2.96	2.64	2.73	1.02	0.84
14	3.72	4.26	7.07	6.40	3.97	5.34	6.59	2.99	2.40	2.73	1.40	0.85
15	3.78	4.23	7.05	6.53	4.30	5.49	6.54	2.79	2.20	2.67	1.64	1.10
16	3.75	4.16	6.99	6.55	4.45	5.22	6.36	2.52	2.02	2.60	1.64	1.37
17	3.93	4.25	6.95	6.60	4.64	5.18	6.23	2.17		2.70	1.49	1.47
18	4.10	4.40	6.94	6.65	4.80	5.17	6.11	1.82		2.84	1.47	1.62
19	4.39	4.69	6.90	6.67	5.28	5.30	5.88	1.55		2.69	1.57	1.52
20		5.18	6.90	6.62	5.31	5.30	5.73	1.65	2.82	2.13	1.44	1.15
21		5.61	7.01	6.65	5.55	5.40	5.54	1.86	3.12	2.00	1.55	0.85
22		F 5.69	7.08	6.66	5.49	5.40	5.38	2.20		1.89	1.65	0.65
23		5.67	7.21	6.53	5.44	5.55	5.20	2.27	3.08	1.78	1.29	0.14
24	F 5.50	5.91	6.98	6.40	5.36	5.70	5.21	2.17		1.70	1.20	-0.32
25	5.76	5.93	6.80	6.25	5.45	5.88	5.20	2.34	4.13	1.46	1.37	-0.31
26	5.95	6.14	6.74	6.05	5.54	6.05	5.10	2.37	3.62	1.47	1.58	-0.24
27	5.87	6.36	6.53	5.85	5.43	6.27	4.94	2.37	3.25	1.24	1.69	-0.07
28	5.95	6.54	6.37	5.68	5.48	6.49	4.65	2.16	3.16	1.44	1.83	-0.14
29	5.94	-----	6.24	5.50	5.66	6.67	4.45	2.14	3.25	1.45	2.32	0.45
30	5.84	-----	6.17	5.25	5.66	6.76	4.14	1.94	3.14	1.67	2.26	0.75
31	5.54	-----	6.06	-----	5.75	-----	4.00	1.82	-----	1.80	-----	1.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.09	4.90	6.87	6.25	4.68	5.59	5.90	2.49	2.69	2.22	1.80	1.07
MAX	5.95	6.54	7.21	6.67	5.75	6.76	6.68	3.85	4.13	3.25	2.65	2.25
MIN	1.58	4.00	6.06	5.25	3.27	5.15	4.00	1.55	1.65	1.24	1.02	-0.32
DAYS	27	28	31	30	31	30	31	31	25	24	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 349

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.09.

HIGHEST STAGE WAS 7.53 AT MIDNIGHT MAR 4.

LOWEST STAGE WAS MINUS 0.34 ON DEC 24.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT PORT SULPHUR, LA.

LOCATION. LAT. 29-28-38, LONG. 89-41-22. MILE 39.3 (1962 SURVEY), ON RIGHT BANK AT FREEPORT SULPHUR COMPANY. (STA. 0142004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 3.0 FEET. PRIOR TO 1977 STAGES WERE PUBLISHED AS RECEIVED FROM FREEPORT SULPHUR COMPANY.

RECORDS AVAILABLE. STAGE, NOV. 22, 1933 TO OCT. 10, 1937, NOV. 10 TO 19, 1939, AND AUG. 1, 1940, TO DATE.

EXTREMES. (FROM 1941 TO DATE) HIGHEST, 9.50 FEET ON MAR. 4 AND LATER DATES IN 1950. LOWEST, MINUS 0.60 FOOT ON JAN. 19, 1977.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.44	5.02	5.73	5.11	4.55	5.13	6.11	3.69		2.55	1.63	2.14
2	1.42	4.77	5.95	4.98	4.23	5.08	6.14	3.00		2.52	1.93	2.01
3	1.72	4.44	6.03	5.08	3.94	5.05	6.05	2.75		2.21	2.28	1.94
4	2.10	4.22	6.23	5.30	3.79	4.98	5.97	2.59		2.35	2.13	1.95
5	2.41	4.23	6.28	5.35	3.88	4.89	5.94	2.36		2.56	2.22	1.85
6	2.92	4.01	6.15	5.49	3.40	4.69	5.77	2.27		2.72	2.31	1.82
7	3.09	4.00	6.23	5.44	3.13	4.70	5.77	2.42		2.88	2.18	1.66
8	3.33	3.85	6.26	5.45	3.01	4.85	5.75	2.59		3.03	2.48	1.69
9	3.48	4.01	6.33	5.42	3.14	4.57	5.84	2.69		3.43	2.05	0.98
10	3.76	3.77	6.42	5.44	3.00	4.70	5.94	2.67		3.20	1.44	0.82
11	3.61	3.75	6.39	5.50	3.23	4.66	5.92	2.67		2.95	1.00	0.76
12	3.56	3.69	6.35	5.38	3.27	4.76	5.91	2.79		2.87	0.85	0.97
13	3.38	3.90	6.35	5.44	3.59	4.79	5.92	2.87		2.60	0.74	0.79
14	3.34	3.94	6.32	5.41	3.58	4.97	5.90	2.93		2.56	1.13	0.81
15	3.43	3.86	6.31	5.57	3.88	5.17	5.89	2.78		2.44	1.31	1.09
16	3.31	3.80	6.21	5.60	4.01	4.90	5.71	2.55		2.32	1.37	1.36
17	3.48	3.88	6.15	5.70	4.20	4.88	5.64	2.24		2.38	1.23	1.47
18	3.63	4.06	6.13	5.69	4.37	4.86	5.57	1.88		2.49	1.18	1.60
19	3.88	4.33	6.11	5.76	4.85	5.01	5.37	1.53		2.42	1.39	1.47
20	4.30	4.82	6.07	5.69	4.81	4.92	5.23	1.53		1.89		1.07
21	4.92	5.23	6.04	5.74	5.06	5.02	5.04	1.74		1.88	1.49	0.75
22	4.91	5.28	6.10	5.75	5.02	5.01	4.85	1.98	2.98	1.77	1.57	0.53
23	4.88	5.15	6.23	5.64	4.93	5.15	4.68	2.05	3.04	1.68	1.19	0.04
24	5.08	5.32	6.02	5.52	4.83	5.25	4.74	2.05	3.54	1.65	1.08	-0.43
25	5.12	5.34	5.86	5.37	4.80	5.37	4.75	2.26	4.13	1.42	1.26	-0.41
26	5.33	5.58	5.80	5.17	4.84	5.50	4.65	2.39	3.58	1.40	1.45	-0.30
27	5.25	5.80	5.63	5.04	4.72	5.72	4.54	2.45	3.25	1.12	1.54	-0.06
28	5.29	5.80	5.50	4.89	4.75	5.90	4.28	2.28	3.10	1.33	1.70	-0.17
29	5.29	-----	5.40	4.70	4.96	6.03	4.14	2.26	3.15	1.31	2.18	0.48
30	5.19	-----	5.33	4.52	4.94	6.17	3.89	2.03	2.92	1.47	2.13	0.76
31	5.04	-----	5.20	-----	5.10	-----	3.81	1.94	-----	1.49	-----	1.33

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.80	4.49	6.04	5.37	4.19	5.09	5.35	2.39	3.30	2.22	1.60	0.99
MAX	5.33	5.80	6.42	5.76	5.10	6.17	6.14	3.69	4.13	3.43	2.48	2.14
MIN	1.42	3.69	5.20	4.52	3.00	4.57	3.81	1.53	2.92	1.12	0.74	-0.43
DAYS	31	28	31	30	31	30	31	31	9	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 343

THE MEAN STAGE FOR THE YEAR WAS 3.76.

HIGHEST STAGE WAS 6.73 AT 11:00 P.M. ON MAR 4.

LOWEST STAGE WAS MINUS 0.44 ON DEC 24 AND LATER DATE(S).

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT EMPIRE, LA.

LOCATION. LAT. 29-23-25, LONG. 89-35-45. AT ENTRANCE TO EMPIRE LOCK AT MILE 29.5 (1962 SURVEY).
(STA. 0144004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,960 SQUARE MILES (CONTRIBUTING). BANKFULL
STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.21 FOOT ON GAGE.

RECORDS AVAILABLE. JAN. 1, 1960 TO AUG. 17, 1969 AND JUL. 9, 1970 TO DATE.

EXTREMES. HIGHEST, 10.92 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS
1.23 FEET ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.31	3.98	4.75	4.46	4.05	4.55	5.30	3.35	1.70	2.16	1.30	1.51
2	1.21	3.75	4.95	4.32	3.70	4.56	5.37	2.75	1.50	2.10	1.50	
3	1.42	3.46	5.00	4.33	3.50	4.48	5.25	2.53	1.48	1.83	2.00	
4	1.79	3.27	5.10	4.60	3.42	4.42	5.20	2.35	1.80	1.92	1.85 F	1.15
5	1.94	3.27	5.24	4.68	3.45	4.42	5.15	2.11	1.98	2.15	1.98	1.45
6	2.31	3.15	4.98	4.76	3.05	4.29	4.96	2.00	2.02	2.30	2.05	1.55
7	2.49	3.10	5.10	4.80	2.85	4.25	4.92	2.15	2.17	2.42	2.00	1.41
8	2.69	3.00	5.20	4.70	2.70	4.30	4.94	2.35	2.20	2.63	2.35	1.49
9	2.90	3.24	5.23	4.66	2.80	4.00	5.00	2.45	2.29	3.03	1.95	0.81
10	3.15	3.05	5.31	4.70	2.65	4.13	5.08 F	2.50	2.50	2.89	1.31	0.58
11	3.33	3.05	5.26	4.78	2.80	4.10	5.09 F	2.50	2.53	2.72	0.90	0.40
12	3.25	3.05	5.28	4.65	2.78	4.18	5.10 F	2.60	2.78	2.60	0.75	0.55
13	2.92	3.25	5.30	4.75	3.09	4.20	5.11		2.65	2.31	0.56	0.40
14	2.87	3.10	5.29	4.75	3.10	4.23	5.09 F	2.65		2.29	0.85	0.50
15	2.90	3.00	5.20	4.88	3.30	4.40	5.05	2.70		2.00	1.13	0.80
16	2.79	2.90	5.15	4.90	3.41	4.20	4.91	2.50		1.79 F	2.66	1.15
17	2.90	3.00	5.10	4.97	3.65	4.20	4.90	2.15		1.78 F	1.65	1.30
18	3.07	3.12	5.08	5.04	3.80	4.20	4.85	1.80		1.97	1.12	1.40
19	3.19	3.32	5.05	5.08	4.25	4.40	4.65	1.40		1.90	1.25	1.29
20	3.50	3.75	5.07	5.05	4.15	4.30	4.45	1.40		1.55	1.07	0.94
21	4.04	4.20	5.18	5.08	4.38	4.38	4.32	1.65 F	2.02	1.53	1.22	0.68
22	4.00	4.22	5.30	5.10	4.37	4.31	4.13	1.80	2.59	1.50	1.36	0.52
23	3.99	4.10	5.39	4.95	4.23	4.42	4.00	1.88	2.64	1.42	1.07	-0.01
24	4.10	4.24	5.20	4.85	4.17	4.43	4.07	1.89	3.19	1.43	0.90	-0.49
25	4.18	4.22	5.10	4.78	4.21	4.58	4.10	2.15	3.74	1.25	0.94	-0.52
26	4.38	4.45	5.10	4.55	4.26	4.70	4.09	2.30	3.22	1.21	1.17	-0.46
27	4.30	4.70	4.95	4.35	4.08	4.92	4.00	2.35	2.92	1.05	1.18	-0.27
28	4.38	4.80	4.85	4.28	4.13	5.09	3.82	2.15	2.82	1.20	1.15	-0.37
29	4.39	-----	4.77	4.15	4.29	5.20	3.70	2.20	2.80	1.15	1.60	0.30
30	4.31	-----	4.65	3.96	4.33	5.35	3.50	1.99	2.59	1.15	1.55	0.52
31	3.99	-----	4.55	-----	4.42	-----	3.55	1.85	-----	1.15	-----	1.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.16	3.56	5.09	4.70	3.66	4.44	4.63	2.21	2.44	1.88	1.41	0.68
MAX	4.39	4.80	5.39	5.10	4.42	5.35	5.37	3.35	3.74	3.03	2.66	1.55
MIN	1.21	2.90	4.55	3.96	2.65	4.00	3.50	1.40	1.48	1.05	0.56	-0.52
DAYS	31	28	31	30	31	30	31	30	23	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.18.

HIGHEST STAGE WAS 5.68 AT 8:00 P.M. ON MAR 4.

LOWEST STAGE WAS MINUS 0.54 ON DEC 24.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT VENICE, LA.

LOCATION. LAT. 29-16-33, LONG. 89-21-10. ON RIGHT BANK AT MILE 10.7 (1962 SURVEY).
(STA. 0148004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE.

RECORDS AVAILABLE. STAGE, FEB. 1944 TO DATE.

EXTREMES. HIGHEST, 9.11 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.77 FOOT ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1984 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.10	2.50	3.02	2.88	2.81	3.14	3.68	2.79	1.55	1.75	1.03	1.08
2	0.89	2.37	3.14	2.87	2.62	3.20	3.80	2.18	1.40	1.71	1.14	1.09
3	1.01	2.12	3.24	2.87	2.53	3.25	3.67	2.00	1.44	1.44	1.52	1.08
4	1.15	1.97	3.27	3.07	2.62	3.20	3.54	1.90	1.80	1.53	1.40	1.15
5	1.24	2.06	3.34	3.13	2.87	3.20	3.44	1.67	2.00	1.73	1.55	1.13
6	1.60	1.95	3.17	3.19	2.50	2.95	3.23	1.65	2.14	1.90	1.74	1.30
7	1.68	2.10	3.27	3.20	2.30	2.91	3.19	1.80	2.30	2.10	1.68	1.15
8	1.78	2.00	3.35	3.13	2.25	3.15	3.18	1.97	2.34	2.28	2.10	1.17
9	1.96	2.21	3.33	3.16	2.32	2.65	3.27	2.11	2.36	2.56	1.70	0.40
10	2.18	1.97	3.40	3.06	2.03	2.78	3.37	2.13	2.44	2.55	1.17	0.26
11	2.10	1.99	3.34	3.09	2.04	2.70	3.39	2.15	2.46	2.31	0.70	0.13
12	2.22	1.90	3.33	2.97	1.95	2.80	3.32	2.34	2.54	2.22	0.52	0.32
13	2.04	2.05	3.32	3.07	2.23	2.89	3.46	2.45	2.46	1.86	0.38	0.12
14	2.02	1.95	3.31	3.07	2.21	2.90	3.48	2.56	2.10	1.80	0.75	0.03
15	1.98	1.84	3.31	3.20	2.34	3.21	3.49	2.43	1.77	1.58	0.95	0.25
16	1.77	1.78	3.31	3.21	2.44	2.89	3.40	2.25	1.57	1.40	1.08	1.18
17	1.79	1.82	3.28	3.25	2.56	2.90	3.39	1.92	1.45	1.45	0.93	0.83
18	1.80	1.97	3.30	3.30	2.69	2.93	3.40	1.55	1.68	1.63	0.88	1.06
19	1.94	2.14	3.26	3.31	3.17	3.13	3.24	1.17	2.10	1.67	1.18	1.17
20	2.12 F	2.67	3.30	3.32	2.92	3.00	3.07	1.29	2.15	1.23	1.07	0.83
21	2.48	2.76	3.37	3.32	3.19	3.00	2.94	1.55	2.40	1.32	1.15	0.55
22	2.44	2.70	3.49	3.37	3.05	2.93	2.77	2.03	2.16	1.34	1.23	0.34
23	2.37	2.53	3.61	3.30	2.96	2.94	2.67	2.17	2.18	1.32	0.92	-0.08
24	2.47	2.57	3.43	3.20	2.87	2.96	2.77	2.06	2.57	1.34	0.78	-0.53
25	2.61	2.62	3.36	3.15	2.78	3.02	2.84	2.13	3.01	1.14	0.87	-0.62
26	2.76	2.79	3.36	3.02	2.73	3.15	2.90	2.08	2.64	1.12	0.97	-0.54
27	2.70	3.03	3.27	2.92	2.58	3.34	2.95	2.00	2.32	0.87	0.94	-0.36
28	2.75	3.05	3.22	2.86	2.64	3.51	2.89	1.83	2.18	1.05	0.80	-0.52
29	2.80	-----	3.18	2.78	2.79	3.53	2.93	2.13	2.25	0.92	1.18	0.10
30	2.72	-----	3.12	2.65	2.86	3.68	2.86	1.84	2.14	0.93	1.07	0.31
31	2.47	-----	3.05	-----	3.04	-----	3.02	1.65	-----	0.90	-----	0.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.03	2.26	3.29	3.10	2.61	3.06	3.21	1.99	2.13	1.58	1.11	0.49
MAX	2.80	3.05	3.61	3.37	3.19	3.68	3.80	2.79	3.01	2.56	2.10	1.30
MIN	0.89	1.78	3.02	2.65	1.95	2.65	2.67	1.17	1.40	0.87	0.38	-0.62
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.24.

HIGHEST STAGE WAS 3.86 AT 9:30 A.M. ON JUL 2.

LOWEST STAGE WAS MINUS 0.77 ON DEC 25.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER AT HEAD OF PASSES (LA.)

LOCATION. LAT. 29-08-35, LONG. 89-15-03. ON RIGHT BANK AT HEAD OF SOUTH PASS, 0.6 MILE DOWN-STREAM FROM ZERO MILE POINT. (STA. 0154504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DRAINAGE AREA, (REVISED) 1,125,970 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 1.0 FOOT. LOW WATER REFERENCE PLANE, MINUS 0.36 FOOT ON GAGE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, NOV. 1875 TO SEP. 16, 1947, AND MAR. 31, 1948 TO DATE. DISCHARGE, INTERMITTENTLY FROM 1838 TO DATE.

EXTREMES. (SINCE JULY, 1930) HIGHEST, 12.03 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 17, 1969. LOWEST, MINUS 0.87 FOOT ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				2.13	2.05	2.30		F 1.39		1.33	0.65	0.30
2				1.98	1.83	2.40		F 1.50		1.27	0.60	0.24
3				2.00	1.80	2.43		F 1.36		1.01	0.90	0.29
4				2.19	2.02	2.35		1.35		1.05	0.78	0.30
5				2.27	2.25	2.35		1.21		1.20	0.95	0.38
6				2.43	1.92	2.05		1.12		1.30	1.17	0.83
7				2.40	1.80	1.90		1.30		1.57	1.20	0.90
8		F 2.50		2.60	1.70	2.05		F 1.40 F 0.90 F		1.65	1.60	1.19
9				2.60	1.65	1.75		F 1.49 F 1.29 F		1.80	1.48	0.70
10				2.55	1.40	1.86		1.55 F 0.85 F		1.81	1.06	0.53
11				2.54	1.30	1.85		1.65 F 0.89 F		1.80	0.66	0.37
12				2.37	1.20	1.95		1.85 F 1.40		1.91	0.47	0.35
13		F 2.80		2.38	1.50	2.05		F 1.99 F 1.25 F		1.59	0.25	-0.20
14				2.37	1.44			2.13 F 1.38 F		1.59	0.35	-0.30
15				2.47	1.55		F 1.39 F	1.32		1.18	0.33	0.03
16				2.47	1.65			1.90	1.24	0.95	0.30	0.20
17				2.54	1.85			1.63	0.96	0.86	0.22	0.58
18				2.56	1.95			1.20	1.01	1.05	0.15	0.70
19				2.63	2.42			0.85 F 1.11	1.20	1.20	0.57	0.83
20				2.67	2.08			0.90	1.25	0.70	0.59	0.68
21				2.75	2.35			1.11	1.49	0.80	0.75	0.60
22				2.84	2.22		F 1.31	1.56	0.87	0.92	0.92	0.57
23				2.76	2.14			1.38	1.67	0.93	0.85	0.15
24				2.68	1.84			1.40 F 1.85	1.00	0.73	0.05	0.05
25				2.60	1.82			1.67 F 1.76	0.95	0.69	0.03	0.03
26				2.45	1.80		F 1.49 F	1.47	0.93	0.95	-0.10	
27				2.36	1.57		F 1.15	1.90	1.97	0.70	0.88	0.01
28		F 2.60		2.15	1.67	F 1.15 F	1.38	1.83	0.82	0.51	-0.09	
29		-----	2.45	2.05	1.88	F 1.95	1.77	1.34	0.73	0.68	0.20	
30		-----	2.33	1.89	2.00	F 2.28		1.71	0.67	0.43	0.34	
31		-----	2.17	-----	2.18	-----	2.28	-----	0.58	-----	0.51	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN			2.47	2.42	1.83	2.10	1.76	1.47	1.37	1.15	0.72	0.36
MAX			2.80	2.84	2.42	2.43	2.28	2.13	1.97	1.91	1.60	1.19
MIN			2.17	1.89	1.20	1.75	1.15	0.85	0.85	0.58	0.15	-0.30
DAYS	0	0	6	30	31	13	5	29	23	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 229

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.41.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS MINUS 0.87 ON DEC 25.

DAILY STAGE FOR 1989

SOUTHWEST PASS AT MILE 9.2 (LA.)

LOCATION. LAT. 29-01-40, LONG. 89-20-10. ON LEFT BANK AT CHEVRON OIL COMPANY DOCK, 9.1 MILES BELOW HEAD OF PASSES. (STA. 0157504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT.

RECORDS AVAILABLE. NOV. 1971 TO DATE.

EXTREMES. HIGHEST, 4.94 FEET (AFFECTED BY WIND) ON APR. 26, 1973. LOWEST, MINUS 1.03 FEET ON JAN. 19, 1977.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					2.74		3.98	3.58	2.45	2.38	1.66	1.50
2					2.52		4.17	3.01	2.27	2.33	1.76	1.54
3					2.88		3.97	2.77	2.09	2.07	2.14	1.64
4					3.03		3.77	2.72	2.34	2.15	2.14	1.84
5					3.23		3.62	2.38	2.45	2.35	2.32	1.57
6					3.30		3.18	2.31	2.46	2.64	2.59	1.94
7					3.18		3.13	2.34	2.52	2.77	2.56	1.93
8					3.19		3.07	2.41	2.56	3.06	2.87	1.97
9					3.04		3.01	2.53	2.69	3.42	2.69	1.24
10					2.74		3.09	2.51	2.96	3.43	2.14	0.95
11					2.66		3.03	2.57	3.00	3.20	1.61	0.72
12					2.47		3.09	2.80	3.26	3.05	1.38	0.79
13					2.70		3.27	3.10	3.23	2.61	1.09	0.44
14					2.58		3.35	3.32	3.00	2.50	1.38	0.55
15					2.54		3.42	3.27	2.66	2.12	1.64	0.94
16					2.77		3.32	3.16	2.28	1.94	1.97	1.26
17					2.81		3.58	2.87	1.92	1.97	1.81	1.65
18					2.97		3.65	2.55	1.91	2.17	1.71	1.90
19					3.43		3.61	1.99	1.97	2.47	2.03	2.00
20							3.67	1.96	2.10	1.91	1.89	1.70
21							3.28	2.09	2.41	2.08	2.02	1.46
22							2.92	2.34	2.60	2.12	2.06	1.29
23							2.75	2.35	2.58	2.21	2.00	0.93
24							2.71	2.46	3.20	2.26	1.63	0.45
25							2.72	2.80	3.62	2.09	1.61	0.31
26							2.92	2.94	3.40	2.03	1.75	0.32
27							3.19	3.12	3.13	1.77	1.57	0.42
28				2.95			3.27	2.86	2.83	1.96	1.30	0.23
29		-----		2.65			3.52	2.95	2.95	1.80	1.65	0.88
30		-----		2.56		3.82	3.62	2.75	2.82	1.72	1.37	1.10
31		-----		-----		-----	3.80	2.59	-----	1.69	-----	1.58

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN				2.72	2.88	3.82	3.34	2.69	2.65	2.33	1.88	1.19
MAX				2.95	3.43	3.82	4.17	3.58	3.62	3.43	2.87	2.00
MIN				2.56	2.47	3.82	2.71	1.96	1.91	1.69	1.09	0.23
DAYS	0	0	0	3	19	1	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 207

THE MEAN STAGE FOR THE YEAR WAS 2.41.

HIGHEST STAGE WAS 4.17 AT 8:00 A.M. ON JUL 2.

LOWEST STAGE WAS 0.14 ON DEC 25.

DAILY STAGE FOR 1989

MISSISSIPPI RIVER (SOUTHWEST PASS) AT EAST JETTY (LA.)

LOCATION. LAT. 28-55-38, LONG. 89-29-12. ON RIGHT BANK AT PILOTS STATION, ABOUT 18.2 MILES BELOW HEAD OF PASSES. (STA. 0167004 INSET.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO MAY 24, 1975, GAGE WAS LOCATED ON THE LEFT BANK APPROXIMATELY 1.4 MILES DOWNSTREAM FROM PRESENT LOCATION.

RECORDS AVAILABLE. 1926 TO NOV. 5, 1973, AND MAY 24, 1975 TO DATE.

EXTREMES. HIGHEST, 5.59 FEET (CAUSED BY HURRICANE) ON OCT. 27, 1985. LOWEST, MINUS 1.60 FEET ON JAN. 25, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.30	1.78	1.86	1.25	1.92	2.35	3.00	2.90	2.09	1.83		
2	1.00	1.70	2.06	1.30	1.82	2.56	3.15	2.25	1.89	1.63		
3	1.00	1.50	2.08	1.42	2.03	2.79	2.96	2.01	1.73	1.32		
4	0.94	1.00	1.67	1.70	2.32	2.89	2.67	1.97	1.95	1.25		
5	0.74	1.13	1.65	1.94	2.55	2.96	2.64	1.65	2.07	1.46		
6	0.67	0.90	1.07	2.21	2.44	2.85	2.09	1.70	2.10	1.62		
7	0.80	1.05	1.22	2.40	2.35	2.48	2.04	1.75	2.15	1.73		
8	0.60	0.88	1.46	1.43	2.33	2.60	1.95	1.86	2.17	1.97		
9	0.54	1.15	1.70	1.34	2.18	2.00	1.89	2.05	2.30	2.63		
10	0.93	1.30	2.15	1.02	1.85	1.95	2.00	2.03	2.60	2.79		
11	0.85	1.65	2.00	1.05	1.84	1.85	1.95	2.16	2.61	2.63		
12	1.43	1.95	2.00	1.42	1.61	1.95	2.20	2.40	2.90	2.48		
13	1.34	2.10	2.05	1.43	1.85	1.92	2.40	2.70	2.84	2.05		
14	1.78	1.70	2.05	1.44	1.66	2.06	2.45	2.87	2.57	1.93		
15	1.65	1.42	2.00	1.48	1.75	2.35	2.55	2.93	2.27	1.55		
16	1.26	1.01	1.73	1.45	1.88	2.13	2.50	2.76	1.85 F	2.52		
17	1.42	1.14	1.53	1.50	2.08	2.34	2.68	2.30	1.52			
18	1.05	1.48	1.55	1.54	2.15	2.50	2.75	1.87	1.45			
19	1.05	1.48	1.54	1.75	2.55	2.80	2.60	1.45	1.45			
20	0.97	1.30	1.65	1.98	2.30	2.70	2.52	1.58	1.60			
21	0.98		1.92	1.94	2.54	2.67	2.27	1.75	1.87			
22	1.07		2.05	2.04	2.49	2.45	1.86	2.04	2.00			
23	0.83 F	1.40	2.37	1.80	2.45	2.40	1.75	2.05	2.00			
24	0.75	1.30	2.24	1.95	2.33	2.33	1.90	2.12	2.83			
25	1.10	1.37	2.23	1.69	2.20	2.09	1.95	2.51	3.19			
26	1.30	1.66	2.32	1.28	2.00	2.11	2.30	2.65	2.88			
27	1.25	2.22	2.14	1.65	1.56	2.20	2.57	2.77	2.65			
28	1.67	2.00	2.02	1.49	1.52	2.33	2.65	2.53	2.40			
29	1.51	-----	2.07	1.70	1.65	2.45	2.85	2.57	2.52			
30	2.03	-----	1.91	1.72	1.78	2.90	3.00	2.36	2.36		F 1.40	
31	1.83	-----	1.78	-----	2.05	-----	3.05	2.29	-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.15	1.44	1.87	1.61	2.07	2.40	2.42	2.22	2.23	1.96	1.40	
MAX	2.03	2.22	2.37	2.40	2.55	2.96	3.15	2.93	3.19	2.79	1.40	
MIN	0.54	0.88	1.07	1.02	1.52	1.85	1.75	1.45	1.45	1.25	1.40	
DAYS	31	26	31	30	31	30	31	31	30	16	1	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 288

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.94.

HIGHEST STAGE WAS 3.23 AT 7:30 A.M. ON JUL 2.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

SOUTH PASS AT PORT EADS, LA.

LOCATION. LAT. 29-00-53, LONG. 89-09-57. U. S. COAST GUARD WHARF, 10.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0185002.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. BANKFULL STAGE, 1.0 FOOT. PRIOR TO APR. 24, 1967, GAGE WAS LOCATED 2.2 MILES DOWNSTREAM AT MOUTH OF SOUTH PASS.

RECORDS AVAILABLE. STAGE, FEB. 15, 1939 TO DATE.

EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, MINUS 1.87 FEET ON JULY 16, 1939.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.44	1.91		1.12	1.72	2.20	2.84	2.70	1.92	1.70	0.75	
2	1.19	1.80		1.00	1.65	2.36	3.07	2.07	1.73	1.43	0.69	
3	1.15	1.66		1.13	1.77	2.58	2.68	1.94	1.54	1.05	1.01	
4	1.10			1.39	2.06	2.52	2.45	1.83	1.75	0.93	0.87	
5	0.84			1.50	2.30	2.52	2.20	1.55	1.75	1.03	1.16	
6	0.77			1.83	2.17		1.76	1.50	1.70	1.10	1.49	
7	0.90			1.90	2.19		1.82	1.53	1.70	1.12	1.58	
8	0.80			1.91	2.10		1.77	1.75	1.55	1.35	2.01	
9	0.85			1.88	1.90		1.83	1.90	1.80	1.75	1.76	
10	1.10			1.95	1.47		1.92	1.90	2.13	1.90	1.40	
11	0.94			1.80	1.58		1.90	2.05	2.13	2.17	0.94	
12	1.46			1.53	1.22		2.04	2.27	2.55	2.35	0.67	
13	1.36			1.51	1.50	F 1.50	2.20	2.60	2.66	2.14	0.45	
14	1.95	F 1.70		1.46	1.34	1.98	2.20	2.83	2.55	1.90	0.60	
15	1.69	0.70		1.57	1.42	2.30	2.27	2.74	2.26	1.45	0.61	
16	1.45	0.39		1.62	1.58	2.09	2.25	2.59	1.98	1.04	0.60	
17	1.58	0.40		1.66	1.77	2.26	2.42	2.34	1.57	0.84	0.68	
18	1.20	0.77		1.73	1.92	2.33	2.55	1.99	1.19	0.91	0.59	
19	1.35	0.93		1.85	2.45	2.62	2.42	1.53	1.07	0.95	1.20	
20	1.25	1.25		1.90	2.09	2.40	2.20	1.40	1.08	0.51	1.10	
21	1.40	1.55		2.12	2.34	2.27	2.02	1.48	1.25	0.84	1.28	
22	1.26	1.35		2.26	2.26	2.05	1.67	1.53	1.30	1.08	1.37	
23	0.95	0.95		2.19	2.04	2.15	1.65	1.55	1.60	1.29	1.20	
24	0.86	0.97		2.10	1.82	2.06	1.89	1.72	2.35	1.45	1.01	
25	1.29	0.95		2.05	1.59	1.85	2.10	2.00	2.70	1.49	0.87	
26	1.40			1.87	1.46	1.95	2.20	2.25	2.42	1.46	1.08	
27	1.47		F 1.87	1.77	1.13	2.12	2.31	9	2.37	1.20	0.83	
28	1.85		1.50	1.75	1.14	2.35	2.45	0	2.33	1.29	0.36	
29	1.65	-----	1.60	1.66	1.34	2.42	2.70	51	2.34	1.10	0.60	
30	2.10	-----	1.43	1.53	1.57	2.77	2.87	2.28	2.07	0.91		
31	1.92	-----	1.36	-----	1.86	-----	2.90	2.17	-----	0.67	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.31	1.15	1.55	1.72	1.77	2.25	2.24	2.04	1.91	1.30	0.99	
MAX	2.10	1.91	1.87	2.26	2.45	2.77	3.07	2.83	2.70	2.35	2.01	
MIN	0.77	0.39	1.36	1.00	1.13	1.50	1.65	1.40	1.07	0.51	0.36	
DAYS	31	15	5	30	31	23	31	31	30	31	29	

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 287

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.68.

HIGHEST STAGE WAS 3.30 AT 8:40 P.M. ON NOV 15.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

OLD RIVER INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-49. UPSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT A QUARTER MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0205011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 51 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, APR. 3, 1961 TO DATE.

EXTREMES. HIGHEST, 63.40 FEET ON MAY 31, 1983. LOWEST, 9.10 FEET ON JAN. 8, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28.20	43.25	50.45	48.40	40.85	43.75	48.70	33.14	21.65	30.48	29.40	29.70
2	31.40	42.20	51.20	48.17	39.15	43.30	48.85	32.12	22.22	30.19	29.40	29.20
3	34.20	41.25	51.90	48.25	37.33	43.25	49.60	31.22	23.09	30.23	28.50	28.25
4	35.70	40.20	52.50	48.60	35.79	42.85	49.75	30.43	23.88	29.50	27.75	27.20
5	36.60	39.00	52.90	48.95	35.30	42.50	49.80	29.60	24.45	30.50	26.60	26.53
6	38.20	38.20	53.30	49.10	34.67	42.85	49.90	29.10	24.80	30.40	25.50	26.02
7	38.60	37.80	53.50	49.20	34.95	42.75	50.00	28.78	25.65	29.90	24.60	25.55
8	38.70	38.00	53.83	49.20	35.60	42.80	49.95	28.17	24.85	29.38	23.69	26.60
9	38.50	38.30	54.09	49.52	36.80	43.50	49.79	27.85	24.70	29.02	23.20	25.45
10	38.18	38.50	54.20	49.80	37.67	43.55	49.61	27.49	24.92	29.02	22.92	24.22
11	37.75	38.90	54.20	50.00	38.35	43.45	49.50	26.85	25.45	29.30	22.82	23.70
12	37.38	39.50	54.08	50.18	39.15	43.20	49.10	26.34	25.58	29.40	22.75	23.47
13	37.86	40.00	53.85	50.20	39.68	42.90	48.80	25.90	25.75	29.50	22.72	22.79
14	38.90	40.04	53.55	50.35	40.16	42.70	48.32	25.30	25.50	29.54	22.53	22.05
15	39.75	39.80	53.20	50.50	40.44	42.52	47.80	25.27	25.20	29.45	22.17	21.60
16	40.60	39.75	53.05	50.65	40.43	42.50	47.14	24.52	25.42	29.13	21.70	21.22
17	41.34	39.80	53.00	50.90	40.83	42.55	46.55	23.90	25.30	28.58	21.54	20.83
18	41.99	40.40	52.90	50.85	41.10	42.95	45.90	23.22	26.00	27.84	21.88	20.60
19	43.00	41.80	52.80	50.85	43.25	43.50	44.87	22.68	26.85	27.10	22.30	20.40
20	43.80	43.40	52.50	50.70	44.08	44.10	44.20	21.70	28.15	25.90	22.70	20.10
21	44.40	45.10	52.55	50.55	44.30	44.50	43.50	20.95	29.38	24.80	23.10	19.90
22	45.00	46.30	52.40	50.35	44.41	44.80	42.60	20.50	30.30	24.20	23.28	19.87
23	45.60	47.25	52.20	50.05	44.70	45.20	41.80	19.30 E	31.45	23.50	23.50	19.43
24	45.80	48.05	51.95	49.55	44.98	45.50	41.19	19.90 E	31.90	22.90	24.47	18.98
25	45.90	48.60	51.52	49.00	45.20	45.90	40.37	19.70	32.25	22.80	25.73 E	18.60
26	45.95	49.15	50.85	48.20	45.28	46.40	39.30	19.90	32.70	22.70 E	27.10	18.00
27	45.95	49.70	50.05	47.30	45.21	46.60	38.03	20.30	32.78	22.80	28.60	17.48
28	45.80	50.00	49.40	46.10	45.10	47.20	36.80	20.30	32.10 E	24.25	29.50	17.53
29	45.40	-----	48.95	44.40	44.89	48.10	35.50	20.60	30.40 E	26.05	29.70	17.30
30	44.78	-----	48.87	42.70	44.55	48.40	34.58	20.60	31.02	27.70	30.23	17.09
31	44.10	-----	48.60	-----	44.20	-----	33.80	21.10	-----	28.70	-----	17.13

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	40.62	42.29	52.20	49.09	40.92	44.14	45.02	24.73	27.12	27.57	25.00	22.15
MAX	45.95	50.00	54.20	50.90	45.28	48.40	50.00	33.14	32.78	30.50	30.23	29.70
MIN	28.20	37.80	48.60	42.70	34.67	42.50	33.80	19.30	21.65	22.70	21.54	17.09
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 36.70.

HIGHEST STAGE WAS 54.20 AT 2:30 A.M. ON MAR 10 AND LATER DATE(S).

LOWEST STAGE WAS 16.90 ON DEC 29 AND LATER DATE(S).

DAILY STAGE FOR 1989

OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-04-40, LONG. 91-35-50. DOWNSTREAM OF STATE HIGHWAY 15 BRIDGE AT OLD RIVER CONTROL STRUCTURE, ABOUT ONE MILE FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 314.6 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 7.7 MILES IN LENGTH AND JOINS WITH RED RIVER AT MILE 3.6. (STA. 0210011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

DISCHARGE RANGE. FIVE AND A HALF MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 49 FEET. THE MAIN CHANNEL STRUCTURE CONSISTS OF ELEVEN GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS TEN FEET ABOVE NGVD EXCEPT FOR THREE CENTER BAYS WHICH HAVE CREST ELEVATION OF FIVE FEET BELOW NGVD. THE OVERBANK STRUCTURE CONSISTS OF 73 GATE BAYS, EACH WITH 44-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS 52.0 FEET, NGVD. THE TOP ELEVATION OF ALL GATE BAYS IS 67.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY FOR BOTH STRUCTURES IS ABOUT 700,000 CFS.

RECORDS AVAILABLE. STAGE, MAR. 31, 1961 TO DATE. DISCHARGE, 1961 TO DATE. COMPUTED DAILY, SINCE 1962.

EXTREMES. HIGHEST, 59.30 FEET ON MAY 15, 1973. LOWEST, 1.32 FEET ON JULY 16, 1964 (GATES CLOSED). MAXIMUM, 610,000 CFS COMPUTED FOR MAY 19, 1973 (LOW SILL AND OVERBANK STRUCTURES IN OPERATION). MINIMUM, NO FLOW (GATES CLOSED) ON VARIOUS OCCASIONS.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.85	29.20	38.80	33.05	24.98	28.20	33.00	17.60	13.58	17.82	17.30	18.99
2	16.45	28.20	38.55	33.38	23.50	27.90	33.35	17.80	13.95	17.75	17.18	18.48
3	19.55	26.95	38.60	33.65	22.30	26.65	33.82	17.60	14.20	17.77	17.62	17.99
4	22.60	25.25	38.90	33.20	21.50	26.05	34.10	17.15	14.48	17.30	17.09	17.33
5	24.42	24.45	39.10	33.25	20.60	25.60	34.30	17.20	14.85	17.60	16.72	16.55
6	24.80	23.90	39.50	33.55	20.58	25.65	33.92	16.65	16.65	17.22	15.88	15.90
7	25.90	23.75	39.70	33.80	20.80	26.25	33.30	16.05	15.80	17.11	15.00	16.02
8	25.85	23.50	39.90	34.20	21.68	26.38	32.73	16.09	15.69	16.94	13.90	15.90
9	25.79	23.60	40.00	34.10	21.25	26.00	32.70	15.50	15.94	16.85	14.00	15.70
10	25.55	24.00	40.32	34.10	21.80	26.25	32.70	14.29	16.05	16.89	13.95	15.39
11	25.00	24.80	40.40	34.50	22.94	26.55	32.50	13.90	16.18	16.62	13.95	15.19
12	24.60	24.85	40.39	35.20	23.68	26.70	32.12	13.45	16.01	17.08	13.90	14.29
13	24.68	24.85	40.15	35.85	24.35	26.20	31.18	13.20	16.15	17.23	13.85	13.98
14	24.22	25.60	40.30	35.95	24.75	25.35	30.86	13.10	16.01	17.31	13.80	13.93
15	24.80	25.90	40.05	36.25	24.55	26.10	30.35	12.90	16.09	17.20	13.80	13.04
16	25.72	25.80	39.70	36.60	25.45	26.25	29.84	12.60	15.35	17.11	13.52	12.60
17	26.68	25.75	39.30	36.10	26.40	26.90	28.84	12.80	15.45	16.71	13.33	12.34
18	28.38	26.65	39.40	36.70	27.38	26.95	27.79	12.22	15.50	15.83	13.53	12.21
19	29.20	27.20	39.30	36.95	28.50	26.70	27.58	11.10	16.79	14.85	13.70	12.42
20	29.99	28.30	39.12	37.00	28.00	27.50	26.29	10.70	18.12	14.75	14.10	12.90
21	31.00	30.50	39.03	36.70	28.60	28.30	25.83	10.45	18.82	14.39	14.25	12.40
22	30.90	32.80	39.00	36.70	29.04	29.20	25.00	10.10	20.20	13.81	14.40	12.10
23	32.50	34.50	38.80	36.55	29.10	29.95	24.75	10.40	19.48	12.94	14.50 E	11.50
24	33.05	35.50	38.40	36.30	29.25	30.65	23.94	10.38	19.70	13.00	14.95 E	11.20
25	33.65	36.50	37.45	35.45	29.49	30.75	22.30	10.80	19.80	12.40	16.00 E	11.25
26	33.75	36.80	37.15	34.20	29.65	31.40	20.93	11.00	19.50	12.70	16.74	11.30
27	33.90	37.10	36.90	32.44	29.55	31.55	20.30	11.25	19.00	14.32	17.30	10.60
28	33.50	38.60	35.50	30.87	29.38	32.10	19.30	11.45	19.09	14.58	17.90	9.78
29	33.40	-----	34.40	28.70	29.31	32.28	19.40	11.60	18.85	15.05	18.93	9.55
30	33.10	-----	33.90	26.72	29.00	32.82	18.60	12.45	18.15	15.76	18.85	10.69
31	30.80	-----	33.95	-----	28.65	-----	17.85	13.00	-----	16.90	-----	10.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	27.34	28.39	38.58	34.40	25.68	27.97	28.05	13.38	16.85	15.93	15.33	13.62
MAX	33.90	38.60	40.40	37.00	29.65	32.82	34.30	17.80	20.20	17.82	18.93	18.99
MIN	13.85	23.50	33.90	26.72	20.58	25.35	17.85	10.10	13.58	12.40	13.33	9.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 23.76.

HIGHEST STAGE WAS 40.45 AT 10:30 P.M. ON MAR 10.

LOWEST STAGE WAS 9.40 ON DEC 28.

DAILY FLOW FOR 1989

OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	65	173	297	188	147	106	179	40	83	141	118	152
2	89	148	292	186	129	108	178	44	86	138	128	143
3	117	133	286	184	125	92	179	45	92	136	133	138
4	162	112	289	171	118	93	173	44	97	133	127	131
5	169	103	289	172	112	93	171	50	103	137	123	122
6	168	95	289	176	114	101	155	50	109	131	111	117
7	179	94	289	185	114	113	138	51	109	131	100	113
8	180	96	297	195	114	113	124	54	109	127	91	113
9	178	101	298	197	102	106	124	49	111	126	94	112
10	174	109	300	199	108	106	123	43	113	125	93	104
11	172	121	301	209	118	104	122	43	113	126	93	105
12	165	123	300	225	123	103	114	43	112	129	93	98
13	150	125	299	241	127	93	102	43	115	130	93	97
14	128	137	304	247	129	85	102	44	112	132	93	96
15	128	143	299	262	131	95	96	44	108	132	93	91
16	139	143	295	263	143	98	96	46	104	130	90	87
17	151	143	287	267	151	111	88	48	104	122	90	85
18	171	155	285	278	150	113	83	45	106	112	94	85
19	175	159	285	287	137	114	87	38	122	104	96	90
20	185	168	286	291	114	128	76	38	138	103	99	92
21	203	186	287	287	113	141	75	37	149	100	101	87
22	207	214	286	286	112	155	66	40	155	95	101	87
23	221	236	286	286	108	167	65	40	149	87	104	87
24	236	250	283	283	108	181	58	41	152	83	108	86
25	249	261	275	268	110	182	41	44	152	81	121	83
26	253	264	271	250	114	184	30	52	148	83	127	79
27	255	266	266	228	115	198	31	54	150	74	133	73
28	246	294	245	205	115	196	26	59	152	91	147	68
29	245	-----	226	183	114	188	36	65	146	101	149	67
30	241	-----	213	163	113	186	35	73	142	108	150	72
31	212	-----	206	-----	110	-----	36	78	-----	116	-----	71

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	181	163	281	229	121	128	97	48	121	115	110	98
MAX	255	294	304	291	151	198	179	78	155	141	150	152
MIN	65	94	206	163	102	85	26	37	83	74	90	67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

TOTAL FOR YEAR WAS 51,465,000 DSF.

THE MEAN FLOW FOR THE YEAR WAS 141,000 DSF.

MAXIMUM DAILY DISCHARGE WAS 304,000 DSF ON MAR 14.

MINIMUM DAILY DISCHARGE WAS 26,000 DSF ON JUL 28.

DAILY STAGE FOR 1989

OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-54, LONG. 91-35-18. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0220011.)

GAGE. AUTOMATIC RECORDER AND STAFF(S).

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986 TO DATE.

EXTREMES. HIGHEST, 53.40 FEET ON MAR. 11, 1989. LOWEST, 9.30 FEET ON JUL. 5, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27.72	42.90	49.99	47.80	39.40	43.35	47.97	32.15	20.90	28.52	24.53	29.13
2	30.80	42.00	50.82	47.79	38.80	42.69	48.15	31.52	21.67	28.03	28.75	28.68
3	33.30	40.80	51.45	47.85	36.70	42.68	48.90	30.56	22.40	28.11	28.01	27.93
4	35.00	39.45	51.99	48.28	34.90	42.27	49.02	29.79	23.08 F	28.25	27.25	26.89
5	36.55	38.25	52.38	48.50	34.45	42.05	49.10	28.90	23.29	28.12	26.13	26.09
6	37.75	37.44	52.35	48.74	33.87	41.60	49.23	28.40	24.00	27.94	25.16	25.47
7	38.14	37.13	52.83	48.80	34.06	42.10	49.30	28.08	23.30	27.49	24.18	25.08
8	38.20	37.20	53.10	48.85	34.82	42.23	49.28	27.62	24.21	26.90	23.58	26.20
9	38.03	37.65	53.30	49.10	36.08	43.00	49.07	27.30	24.05	26.54	22.80	24.85
10	37.80	37.97	53.22	49.39	36.98	43.06	48.86	27.00	24.02	26.60	22.60	23.98
11	37.28	38.40	53.30	49.50	37.74	42.98	48.00	26.40	24.42	29.50	22.48	23.40
12	37.00	39.00	53.25	49.70	38.49	42.69	48.40	25.90	24.78	26.91	22.40	23.10
13	37.40	39.55	53.05	49.70	39.10	42.38	48.20	25.49	24.89	27.10	22.38	22.49
14	38.40	39.62	52.70	49.83	39.60	42.08	47.70	24.91	25.16	27.10	22.19	21.68
15	39.30	39.45	52.48	49.90	39.90	41.86	47.30	22.92 F	25.40	27.10	21.77	21.29
16	39.95	39.25	52.50	50.10	39.85	41.80	46.65	24.14	25.35	26.80	21.40	20.90
17	40.67	39.40	52.40	50.26	40.21	41.85	46.00	23.27	25.40	26.20	21.30	20.52
18	41.40	40.00	52.30	50.20	40.50	42.30	45.29	22.91	25.85	26.35	21.19	20.28
19	42.40	41.38	52.00	50.20	42.74	42.93	44.25	22.50	26.33	24.25	21.65	19.95
20	43.20	42.99	52.00	50.10	43.45	42.60	43.67	21.60	27.02	23.74	22.03	19.75
21	43.80	44.60	51.90	50.00	43.65	43.85	42.90	20.90	27.90	21.70	22.30	19.70
22	44.48	46.04	51.65	49.80	43.79	44.40	42.10	19.85	28.80	21.66	22.60	19.45
23	44.89	46.75	51.57	49.60	43.80	44.59	41.35	20.50	30.00	20.50	22.98	19.00
24	45.30	47.43	51.30	49.20	44.45	44.80	40.70	19.82	30.58	20.50	23.90	18.59
25	45.30	48.00	50.85	48.60	44.64	45.30	39.50	19.65	30.95	19.45	25.10	18.11
26	45.40	48.59	50.25	47.65	44.73	44.50	38.85	19.70	31.00	19.50	26.50	17.60
27	45.36	49.14	49.50	46.50	44.68	44.33	37.50	19.45	30.92	18.87	27.89	17.30
28	45.30	48.60	48.92	44.40	44.50	45.30	36.30	19.49	30.10	20.95	28.70	17.00
29	44.95	-----	48.43	42.90	44.30	46.23	34.90 E	19.90 F	29.50	22.95	29.25	16.75
30	44.30	-----	48.30	41.20	43.97	47.70	33.89	20.27	29.08	24.70	29.38	16.68
31	43.80	----- F	47.90	-----	42.95	-----	33.22	20.55	-----	25.58	-----	16.48

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	40.10	41.75	51.55	48.48	40.23	43.32	44.37	24.24	26.14	25.09	24.49	21.75
MAX	45.40	49.14	53.30	50.26	44.73	47.70	49.30	32.15	31.00	29.50	29.38	29.13
MIN	27.72	37.13	47.90	41.20	33.87	41.60	33.22	19.45	20.90	18.85	21.19	16.48
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 35.92.

HIGHEST STAGE WAS 53.40 AT 6:30 A.M. ON MAR 11.

LOWEST STAGE WAS 16.40 ON DEC 29.

DAILY FLOW FOR 1989

OLD RIVER AUXILIARY INFLOW CHANNEL NEAR KNOX LANDING, LA.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	28	62	112	72	126	38	66	14	28	95	118	64
2	50	53	110	72	53	40	66	11	28	92	54	59
3	78	49	106	71	51	37	66	12	31	91	55	56
4	66	51	107	64	49	37	66	12	34	95	53	52
5	69	43	107	65	46	37	65	16	38	100	51	51
6	68	36	107	66	43	36	57	16	37	101	42	50
7	72	35	107	69	43	42	51	16	37	101	42	48
8	72	36	105	73	43	42	46	17	36	98	33	47
9	71	37	106	74	43	38	46	16	35	97	40	46
10	69	38	102	74	41	38	46	11	36	96	40	44
11	68	45	103	79	44	37	45	11	36	97	40	44
12	64	46	102	82	50	37	43	11	36	101	40	41
13	57	46	102	92	47	34	29	11	35	101	40	41
14	51	52	109	94	48	32	37	13	33	103	40	42
15	51	55	110	99	49	37	37	13	34	103	41	40
16	62	55	106	99	57	40	37	15	34	101	39	37
17	75	55	105	101	59	39	28	16	34	97	39	36
18	66	55	105	103	60	40	29	13	34	97	43	36
19	66	56	105	113	53	40	31	8	40	96	44	41
20	68	63	105	113	57	47	25	8	55	95	47	38
21	73	84	105	109	56	53	25	8	69	93	48	39
22	75	80	105	109	56	57	24	12	73	88	44	39
23	90	91	105	109	36	59	24	13	73	80	46	40
24	90	96	106	108	36	65	16	14	75	83	48	40
25	91	100	106	103	42	66	13	15	75	81	59	38
26	96	101	104	113	38	66	10	14	71	83	62	36
27	95	102	102	114	39	198	10	16	93	74	65	30
28	91	110	90	160	39	196	8	21	97	91	63	33
29	91	-----	85	162	38	188	11	21	97	101	63	33
30	89	-----	79	142	38	69	10	24	96	108	64	34
31	80	-----	79	-----	42	-----	11	26	-----	116	-----	33

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	72	62	103	97	49	60	35	14	51	95	50	42
MAX	96	110	112	162	126	198	66	26	97	116	118	64
MIN	28	35	79	64	36	32	8	8	28	74	33	30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

TOTAL FOR YEAR WAS 22,265,000 DSF.

THE MEAN FLOW FOR THE YEAR WAS 61,000 DSF.

MAXIMUM DAILY DISCHARGE WAS 198,000 DSF ON JUN 27.

MINIMUM DAILY DISCHARGE WAS 8,000 DSF ON JUL 28, AND AUG 19 THRU 21.

DAILY STAGE FOR 1989

OLD RIVER AUXILIARY OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

LOCATION. LAT. 31-03-57, LONG. 91-35-26. STATE HIGHWAY 15 BRIDGE AT OLD RIVER AUXILIARY CONTROL STRUCTURE, ABOUT 1-1/2 MILES FROM HEAD OF CHANNEL. THE HEAD OF CHANNEL IS AT RIVER MILE 312.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. THE CHANNEL IS 2.2 MILES IN LENGTH AND JOINS WITH OLD RIVER OUTFLOW CHANNEL ABOUT ONE MILE BELOW HEAD. (STA. 0221011.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA, ABOUT 1,124,700 SQUARE MILES (CONTRIBUTING). THE AUXILIARY STRUCTURE CONSISTS OF SIX GATE BAYS, EACH WITH 62-FOOT CLEAR WIDTH BETWEEN PIERS. THE WEIR CREST ELEVATION IS FIVE FEET BELOW NGVD. THE TOP ELEVATION OF ALL GATES IS 70.0 FEET, NGVD. THE MAXIMUM DISCHARGE CAPACITY IS ABOUT 374,000 CFS.

RECORDS AVAILABLE. STAGE, DEC. 14, 1986 TO DATE.

EXTREMES. HIGHEST, 40.50 FEET ON MAR. 10, 1989 AND LATER DATE(S). LOWEST, 6.45 FEET ON NOV. 11, 1987.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.80	29.35	38.80	33.10	26.00	28.30	33.10	17.75	13.60	18.50	18.60	19.30
2	16.80	27.70	38.60	33.30	23.50	27.90	33.40	17.90	13.95	18.50	17.50	18.90
3	20.00	26.85	38.60	33.70	22.50	26.65	33.90	17.70	14.30	18.65	17.90	18.35
4	23.80	25.10	38.90	33.30	21.70	26.05	34.15	17.30	14.60	18.70	17.30	17.60
5	25.00	24.30	39.30	33.30	20.70	25.70	34.40	17.30	15.30	18.90	16.90	16.70
6	25.10	23.60	39.50	33.50	20.70	25.70	33.90	16.75	15.80	18.50	16.00	16.10
7	26.00	23.50	39.80	33.80	20.90	26.30	33.30	16.10	15.85	18.25	15.20	16.20
8	26.10	23.40	40.00	34.20	21.70	26.40	32.60	16.10	15.75	18.10	14.00	16.10
9	25.95	23.50	40.00	34.00	21.30	26.00	32.70	15.40	15.75	18.00	14.20	15.90
10	25.50	23.85	40.50	34.10	21.90	26.40	32.60	14.40	15.80	18.10	14.05	15.60
11	25.30	24.75	40.50	34.50	23.00	26.70	32.60	13.95	16.15	18.10	14.00	15.30
12	24.85	24.85	40.40	35.00	23.80	26.80	32.00	13.30	16.00	18.00	14.00	14.40
13	24.70	24.80	40.30	35.80	24.35	26.20	31.10	13.00	16.20	18.10	13.90	13.90
14	24.30	25.50	40.30	36.00	24.45	25.40	30.85	13.30	16.10	18.00	13.80	14.00
15	24.90	25.80	40.00	36.40	24.40	26.10	30.45	12.90	15.90	17.90	13.80	12.90
16	25.80	25.80	39.90	36.40	25.30	26.30	29.95	12.50	15.70	18.10	13.50	13.05
17	26.80	25.70	39.40	36.10	26.30	27.00	28.85	12.90	15.80	17.80	13.50	12.75
18	28.50	26.50	39.30	36.70	26.80	27.00	27.90	12.30	15.70	17.00	14.10	12.50
19	29.35	27.00	39.20	37.00	28.50	27.10	27.70	11.20	16.90	16.30	14.30	12.40
20	30.10	28.30	39.10	37.10	28.10	28.00	26.30	10.80	18.50	16.20	14.40	13.10
21	31.35	30.50	39.10	36.90	28.50	28.60	25.80	10.50	19.30	15.35	14.50	12.30
22	31.55	32.90	38.90	36.70	29.00	29.40	25.05	10.70	20.00	15.00	14.60	12.50
23	32.40	34.60	38.70	36.60	29.00	30.00	24.80	10.50	19.60	14.30	14.70	11.80
24	33.20	35.70	38.30	36.50	29.10	30.80	24.00	10.30	19.80	14.40	15.20	11.40
25	33.90	36.60	37.50	35.50	29.50	30.90	22.40	10.80	20.00	13.80	16.30	11.45
26	33.90	36.90	37.30	34.20	29.65	31.00	21.00	10.50	19.80	14.20	17.00	11.50
27	34.00	37.20	36.90	32.80	29.50	31.80	20.55	11.50	19.70	15.90	17.80	10.80
28	33.65	38.70	35.50	31.20	29.35	32.30	19.50	11.10	19.90	16.30	18.90	9.70
29	33.40	-----	34.60	29.50	29.30	32.45	19.60	11.60	19.50	16.80	19.20	9.50
30	33.20	-----	33.90	27.50	29.10	32.90	18.90	12.40	18.75	17.50	19.20	11.10
31	31.60	-----	33.70	-----	28.70	-----	18.05	13.10	-----	18.50	-----	11.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	27.57	28.33	38.61	34.49	25.70	28.07	28.11	13.41	17.00	17.15	15.61	13.82
MAX	34.00	38.70	40.50	37.10	29.65	32.90	34.40	17.90	20.00	18.90	19.20	19.30
MIN	13.80	23.40	33.70	27.50	20.70	25.40	18.05	10.30	13.60	13.80	13.50	9.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 23.96.

HIGHEST STAGE WAS 40.50 ON MAR 10 AND LATER DATE(S).

LOWEST STAGE WAS 9.50 ON DEC 29.

DAILY STAGE FOR 1989

OLD RIVER AT TORRAS, LA. (LOCK FOREBAY)

LOCATION. LAT. 31-00-03, LONG. 91-40-12. IN NAVIGATION CHANNEL, ON SIDE OF LOCK WALL AT ENTRANCE TO LOCK CHAMBER. THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER. (STA. 0272511.)

GAGE. WIRE WEIGH.

GENERAL INFORMATION. PRIOR TO MAR. 18, 1963, GAGE WAS IN NATURAL CHANNEL OF LOWER OLD RIVER AND ZERO OF GAGE WAS 1.11 FEET HIGHER THAN PRESENT DATUM.

RECORDS AVAILABLE. STAGE, JAN. 1, 1903 TO DATE.

EXTREMES. HIGHEST, 61.6 FEET ON MAY 15, 1927. LOWEST, 3.3 FEET ON NOV. 4, 1939. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.90	41.65	48.75	46.25	38.90	41.62	46.40	30.70	19.70	27.90	26.35	27.60
2	28.35	40.70	49.30	46.30	37.35	41.20	46.70	29.85	19.90	27.75	26.65	27.35
3	31.40	39.45	50.25	46.25	35.55	40.95	46.90	28.90	20.95	27.70	26.85	26.50
4	33.10	38.25	50.90	46.35	33.85	40.70	47.20	27.80	21.75	27.90	26.00	25.60
5	34.80	37.10	51.20	46.75	33.05	40.40	47.50	26.90	22.50	27.90	24.60	24.55
6	35.85 E	36.40	51.50	47.05	32.45	40.60	47.80	26.30	22.50	27.75	23.55	23.85
7	36.25	35.90	51.80	47.10	32.45	40.55	47.60	25.90	23.20	27.50	22.45	23.35
8	36.40	35.70	52.05	47.25	33.05	40.50	47.60	25.60	23.50	26.90	21.90	24.20
9	36.30	35.70	52.25	47.45	34.18	41.18	47.40	25.40	23.90	26.50	21.20	23.35
10	36.00	36.30	52.40	47.85	35.08	41.40	47.25	25.10	24.20	26.30	21.15	22.45
11	35.60	36.70	52.50	48.00	36.00	41.06	47.10	25.00	24.20	26.50	20.90	21.80
12	35.40	37.25	52.35	48.20	36.75	41.05	46.85	24.10	23.80	26.70	20.65	21.55
13	35.50	37.80	52.20	48.25	37.40	40.60	46.45	24.00	23.60	26.80	20.80	20.85
14	36.55	38.00	52.00	48.40	37.95	40.40	46.15	23.20	23.70	27.00	20.65	20.45
15	37.45	37.90	51.65	48.55	38.30	40.27	45.85	22.75	23.65	27.00	20.20	19.80
16	37.95	37.70	51.40	48.75	38.25	40.15	45.05	22.40	22.90	26.70	20.10	19.40
17	38.70	37.65	51.00	49.00	38.95	40.15	44.52	21.85	23.00	26.30	19.60	19.10
18	39.85	38.20	50.95	49.10	38.90	40.55	43.70	21.00	23.90	25.50	19.30	18.85
19	40.65	39.40	50.90	49.05	40.25	41.15	42.72	21.05	24.20	24.50	19.15	18.75
20	41.70	41.10	50.85	48.95	41.75	41.60	42.00	20.10	25.55	23.40	20.00	18.50
21	42.30	43.15	50.50	48.80	42.05	42.10	41.35	19.35	26.70	22.35	20.60	18.40
22	43.10	44.30	50.45	48.65	42.15	42.55	40.50	18.82	27.40	21.50	20.90	18.20
23	43.60	45.35	50.20	48.30	42.45	42.90	40.00	18.45	28.55	20.65	21.20	17.60
24	43.85	46.15	50.20	48.20	42.70	43.25	38.90	18.30	29.40	19.95	21.80	17.40
25	43.95	46.75	49.90	47.70	42.95	43.75	38.30	18.45	29.35	20.00	22.30	17.00
26	44.10	47.30	49.25	47.10	42.95	44.15	37.30	18.50	29.70	19.90	24.60	16.80
27	44.25	48.00	48.40	45.70	42.92	44.30	36.00	18.45	30.20	19.95	25.90	16.60
28	43.90	48.30	47.70	44.20	42.52	44.80	34.60	18.70	29.70	21.25	26.75	16.50
29	43.55	-----	47.05	42.65	42.40	45.95	33.25	19.05	29.10	23.45	27.50	16.00
30	43.15	-----	46.75	40.80 E	42.20	46.20	32.10	19.35	28.40	24.10	27.80	15.35
31	42.35	-----	46.35	-----	42.02	-----	31.45	19.50	-----	25.72	-----	15.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.41	40.29	50.42	47.23	38.64	41.87	42.79	22.74	24.97	24.95	22.71	20.43
MAX	44.25	48.30	52.50	49.10	42.95	46.20	47.80	30.70	30.20	27.90	27.80	27.60
MIN	24.90	35.70	46.35	40.80	32.45	40.15	31.45	18.30	19.70	19.90	19.15	15.35
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 34.58.

HIGHEST STAGE WAS 52.50 ON MAR 11.

LOWEST STAGE WAS 15.35 ON DEC 30.

DAILY STAGE FOR 1989

OLD RIVER AT TORRAS, LA. (LOCK TAILBAY)

LOCATION. LAT. 31-00-12, LONG. 91-40-25. IN NAVIGATION CHANNEL LOCK WALL AT ENTRANCE TO LOCK CHAMBER.
THE HEAD OF NAVIGATION CHANNEL IS AT RIVER MILE 304.0 (1962 SURVEY) ON THE MISSISSIPPI RIVER.
(STA. 0275011.)

GAGE. WIRE WEIGHT.

DISCHARGE RANGE. 0.8 MILE DOWNSTREAM FROM GAGE.

RECORDS AVAILABLE. STAGE, MAR. 18, 1963 TO DATE. DISCHARGE, 1963 AND 1964.

EXTREMES. HIGHEST, 57.60 FEET ON MAY 14 AND LATER DATES IN 1973. LOWEST, 1.2 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.95	27.15	35.30	31.10	23.75	26.96	31.00	16.75	9.50	13.70 E	12.25	13.75
2	14.60	25.75	35.25	31.40	21.50	26.30	31.40	16.75	10.00	13.80	12.35	13.50
3	17.30	25.20	35.30	31.65	20.60	25.35	31.90	16.60	10.25	13.55	12.65	13.15
4	20.50	23.60	35.65	31.55	19.55	24.85	32.10	16.00	10.50	13.10	12.10	12.50
5	21.90	22.70	35.70	31.40	18.55	24.50	32.70	15.60	10.55	13.75	11.80	11.65
6	22.15	22.30	36.20	31.60	18.55	24.45	32.70	15.20	11.05	13.50	11.15	11.25
7	22.55	21.85	36.30	31.95	18.55	24.80	31.80	14.70	11.20	13.40	10.10	11.10
8	22.70 E	21.85	36.55	32.25	19.67	24.95	31.50	14.40	11.20	13.00	9.45	11.20
9	22.60	21.90	36.70	32.20	19.40	24.54	31.30	14.20	11.20	13.00	9.35	10.80
10	22.10	22.25	36.85	32.10	20.15	25.00	31.25	13.40	11.20	12.90	9.05	10.65
11	22.25	22.75	36.95	32.30	21.13	25.18	31.25	12.60	11.50	12.90	8.95	10.40
12	22.00	22.90	36.90	32.65	21.80	25.55	30.55	12.05	11.50	12.80	9.20	9.85
13	21.95	22.65	36.75	33.20	22.25	25.15	29.90	11.85	11.70	13.00	9.15	9.20
14	22.05	23.00	36.80	33.25	22.60	24.05	29.65	11.50	11.80	13.20	9.10	9.60
15	22.70	23.65	36.60	33.45	22.55	24.70	29.22	11.20	11.50	13.10	9.10	8.85
16	23.50	23.45	36.45	33.30	23.20	25.05	28.72	10.70	11.20	12.80	8.70	8.40
17	24.15	23.40	36.00	33.05	23.95	25.55	27.55	10.20	11.25 E	12.50	8.40	7.80
18	26.00	23.90	35.90	33.35	24.70	25.45	26.75	10.15	11.00 E	11.80	8.40	7.95
19	26.80	24.90	35.75	33.70	26.00	25.80	26.50	9.38	12.10 E	11.10	8.30	7.95
20	27.70	25.60	35.60	33.75	27.10	26.30	25.25	9.15	13.15 E	11.00	9.00	8.50
21	28.50	27.90	35.55	33.65	27.30	26.80	24.65	8.40	14.05	10.40	9.50	8.30
22	28.85	30.05	35.30	33.50	27.60	27.60	23.95	8.32	14.50	9.90	9.80	8.00
23	29.50	31.60	35.20	33.00	27.70	28.00	23.40	8.30 E	14.65	9.00	10.00	7.70
24	30.10	32.70	35.15	32.85	27.90	28.50	22.60	8.20 E	14.95	9.05	10.00	6.90
25	30.70	33.38	34.55	32.60	28.10	28.90	21.60	8.25	15.25	8.50	10.90	6.80
26	30.60	33.80	34.20	31.30 E	28.00	28.65	20.20	8.00	15.27	8.50	11.70	6.70
27	30.55	34.00	33.80	30.25	28.26	29.55	19.60	8.05	14.65	9.75	12.35	6.70
28	30.40	35.10	32.75	28.85	28.10	29.90	18.90	8.25	15.00	10.15	13.20	6.60
29	30.10	-----	32.00	27.45	27.90	30.35	18.80	8.25	14.20	11.05	14.00	6.10
30	29.95	-----	31.60	25.40	27.78	30.70	17.85	8.90	14.10	11.15	14.05	6.70
31	28.75	-----	31.05	-----	27.45	-----	17.20	9.25	-----	12.00	-----	7.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.69	26.05	35.31	31.93	23.92	26.45	26.83	11.44	12.33	11.85	10.47	9.23
MAX	30.70	35.10	36.95	33.75	28.26	30.70	32.70	16.75	15.27	13.80	14.05	13.75
MIN	11.95	21.85	31.05	25.40	18.55	24.05	17.20	8.00	9.50	8.50	8.30	6.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 20.84.

HIGHEST STAGE WAS 36.95 ON MAR 11.

LOWEST STAGE WAS 6.10 ON DEC 29.

DAILY STAGE FOR 1989

ATCHAFALAYA RIVER AT BARBRE LANDING, LA.

LOCATION. LAT. 31-00-48, LONG. 91-44-25. ON LEFT BANK OF OLD RIVER OPPOSITE MOUTH OF RED RIVER, AT HEAD OF ATCHAFALAYA RIVER. (STA. 0301511.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE USUALLY READ BETWEEN SEVEN AND NINE A.M. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 48 FEET. MEAN LOW WATER STAGE, 7.1 FEET. STAGE IS AFFECTED BY THE DIVERSION OF WATER FROM MISSISSIPPI RIVER THROUGH OLD RIVER OUTFLOW CHANNEL. PRIOR TO 1975 GAGE ZERO WAS 3.81 FEET NGVD.

RECORDS AVAILABLE. STAGE, JUNE 15, 1880 TO DATE. DISCHARGE, 1851, 1858, 1873, 1879 TO 1882, AND 1885.

EXTREMES. HIGHEST, 61.51 FEET ON MAY 14, 1927. LOWEST, 0.96 FOOT ON JULY 16, 1964. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E 12.45	27.10	35.40 E	31.45	23.70	27.00 E	31.35	16.75	9.60 E	13.95	12.80	14.05
2	E 14.90	25.75	35.40 E	31.75	21.60	26.60 E	31.80	16.80 E	10.30	13.85	12.20 E	13.50
3	17.50	25.10	35.40	31.90	20.55 E	25.40	32.20	16.45 E	10.55	13.80	12.70 E	13.00
4	20.75 E	23.65 E	35.80	31.60	19.60 E	25.00	32.40	16.00 E	10.65	13.60 E	12.60	12.30
5	22.00 E	22.80 E	36.05	31.55	18.80	24.30	32.70	15.90	11.05	14.00 E	12.30	11.60
6	22.30	22.35	36.20	31.70 E	18.75	24.40	32.40 E	15.35	11.35	13.75	11.50	11.05
7	E 23.00	22.15	36.40	32.00 E	18.95	24.85	31.90	14.65	11.50 E	13.55	10.55	11.20
8	E 23.05	22.00	36.70 E	32.10	19.85	24.90 E	31.45	14.55	11.35 E	13.30	10.45	11.20
9	22.95	22.00	36.80 E	32.10	19.60	24.90 E	31.45	14.20 E	11.50 E	13.15	9.60 E	10.80
10	22.60	22.20	37.00	32.10	20.30 E	25.25	31.40	13.05 E	11.55	13.10 E	9.20 E	10.60
11	22.30 E	22.90 E	37.10	32.25	21.20 E	25.65	31.35	12.60	11.80	13.20 E	9.40	10.40
12	22.20 E	22.95 E	37.00	32.80	21.95	25.60	30.80 E	12.40	11.65	13.25 E	9.30	9.80
13	22.40	22.90	36.90	33.30 E	22.35	25.00	30.00 E	12.00	11.90	13.40	9.35	9.30
14	E 22.40	23.50	36.90	33.30 E	22.45	24.20	29.70	11.75	12.00 E	13.55	9.25	9.35
15	E 23.00	23.70	36.75 E	33.45	22.40	25.10 E	29.30	11.40	11.80 E	13.35	9.35	8.80
16	E 23.85	23.50	36.60 E	33.25	23.10	25.05 E	28.90	10.90 E	11.30	13.25	9.00 E	8.50
17	24.70	23.50	36.20	33.25	24.00 E	25.55	27.80	11.05 E	11.40	13.00	8.60 E	8.00
18	26.20 E	24.25 E	36.20	33.60	24.90 E	25.55	26.75	10.50	11.30	12.05 E	8.95	7.90
19	27.10 E	24.75 E	36.10	33.80	26.90	25.60	26.55 E	9.80	12.30	11.10 E	9.00	7.90
20	27.80 E	25.85	35.90	33.85 E	27.00	26.50	25.20 E	9.30	13.50	10.70	9.40	8.50
21	E 28.80	28.00	35.80	33.50 E	27.30	26.80	24.70	8.80	14.35 E	10.30	9.50	8.50
22	E 29.20	30.30	35.70 E	33.50	27.70	27.55 E	24.10	8.75	15.30 E	10.25	9.70	7.90
23	29.50	31.80	35.60 E	33.40	27.90	28.10 E	23.95	8.40 E	15.20	9.20 E	9.70 E	7.40
24	30.20 E	32.80	35.20	33.20	28.00 E	28.85	23.10	8.25 E	15.40	9.20	10.10 E	7.15
25	30.75 E	33.60 E	34.60	32.50	28.30 E	28.60	21.60	8.40	15.55	8.65 E	10.95 E	7.30
26	30.70	34.00 E	34.30	31.45	28.40	28.70	20.20 E	8.30	15.75	8.80 E	11.95	7.35
27	30.75	34.10	34.00	30.10 E	28.40	29.60	19.85 E	8.30	14.90	10.05	12.35	7.15
28	E 30.45	35.30	33.00	28.80 E	28.30	30.25	18.80	8.50	15.00 E	10.50	13.55	6.50
29	E 30.25	-----	32.10 E	27.40 E	28.20	30.50 E	18.70	8.60	14.45 E	11.00	14.00	6.10
30	30.00	-----	31.70 E	25.70	28.00	30.95 E	18.25	9.05 E	14.35	11.60	13.80 E	7.10
31	28.80	-----	31.60	-----	27.50	-----	17.15	9.50	-----	12.65	----- E	7.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	24.93	26.17	35.50	32.02	24.06	26.54	26.96	11.62	12.62	12.10	10.67	9.29
MAX	30.75	35.30	37.10	33.85	28.40	30.95	32.70	16.80	15.75	14.00	14.00	14.05
MIN	12.45	22.00	31.60	25.70	18.75	24.20	17.15	8.25	9.60	8.65	8.60	6.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 20.99.

HIGHEST STAGE WAS 37.10 ON MAR 11.

LOWEST STAGE WAS 6.10 ON DEC 29.

DAILY STAGE FOR 1969

ATCHAFALAYA RIVER AT SIMMESPORT, LA.

LOCATION. LAT. 30-58-57, LONG. 91-47-54. ON RAILWAY BRIDGE NEAR RIGHT BANK, 4.9 MILES (1963 SURVEY) FROM HEAD OF RIVER. THE HEAD OF ATCHAFALAYA RIVER IS AT THE CONFLUENCE OF RED AND LOWER OLD RIVERS. (STA. 03045128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

DISCHARGE RANGE. ABOUT THREE AND A HALF MILES DOWNSTREAM FROM BRIDGE.

GENERAL INFORMATION. DRAINAGE AREA, NOT INCLUDING MISSISSIPPI RIVER, ABOUT 87,570 SQUARE MILES (CONTRIBUTING). BANKFULL STAGE, 46 FEET. MEAN LOW WATER STAGE, 6.9 FEET. THE DISCHARGE IS COMPOSED OF RED RIVER FLOW AND CONTROLLED DIVERSION OF THE MISSISSIPPI RIVER (MILE 314.6) THROUGH OLD RIVER OUTFLOW CHANNEL. ZERO OF GAGE PRIOR TO DEC. 1904 WAS 3.81 FEET, NGVD. FROM 1905 TO 1975 GAGE ZERO WAS 5.73 FEET, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1, 1887 TO MAY 15, 1892, AND DEC. 1, 1903 TO DATE (NO RECORD OF STAGES BELOW 30 FEET FROM JAN. 16, 1915 TO NOV. 1919, AND BELOW 34 FEET FROM DEC. 1919 TO 1927). DISCHARGE, 1851 INTERMITTENTLY TO DATE. COMPUTED DAILY, SINCE 1928.

EXTREMES. HIGHEST, 59.13 FEET ON MAY 16, 1927. LOWEST, 0.70 FOOT ON OCT. 17, 1976. MAXIMUM, 781,000 CFS OBSERVED ON MAY 12, 1973 (STAGE 54.43 NGVD). MINIMUM, 10,500 CFS COMPUTED FOR JUNE 24, 1964 (STAGE, 1.41 NGVD). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.64	25.06	32.65	29.08	21.79	24.83	29.00	15.35	7.98	12.20	11.14	12.35
2	13.00	23.70	32.80	29.36	19.70	24.52	29.40	15.30	8.47	12.14	10.79	12.02
3	15.40	23.11	32.80	29.68	18.80	23.40	29.95	15.04	8.70	12.15	11.10	11.41
4	18.60	21.60	33.10	29.30	17.92	22.95	30.18	14.43	8.79	11.96	10.72	10.78
5	19.80	20.84	33.40	29.30	17.00	22.42	30.48	14.32	9.13	12.23	10.48	10.13
6	20.16	20.42	33.65	29.50	16.93	22.78	30.15	13.73	9.80	11.99	9.78	9.61
7	20.87	20.23	33.79	29.65	17.19	22.90	29.70	13.07	9.95	11.83	9.15	9.81
8	20.88	20.05	34.00	29.95	18.10	22.95	29.20	13.03	9.67	11.60	8.15	9.79
9	20.80	20.07	34.20	29.85	17.86	22.76	29.20	12.45	9.83	11.40	8.20	9.40
10	20.36	20.30	34.36	29.75	18.50	23.12	29.20	11.47	9.99	11.39	7.89	9.20
11	20.20	20.98	34.41	29.90	19.40	23.52	28.80	11.03	10.22	11.44	8.05	9.05
12	19.97	20.98	34.38	30.33	19.90	23.62	28.60	10.68	10.11	11.52	7.95	8.46
13	20.26	20.96	34.30	30.75	20.45	23.05	27.80	10.32	10.32	11.69	7.91	7.90
14	20.25	21.10	34.32	30.79	20.55	22.40	27.70	10.10	10.31	11.79	7.89	8.00
15	20.86	21.30	34.18	31.00	20.47	23.05	27.24	9.70	10.19	11.54	7.90	7.50
16	21.65	21.20	34.05	30.80	21.10	23.11	26.79	9.38	9.75	11.50	7.53	7.20
17	22.40	21.10	33.63	30.72	22.00	23.67	25.80	9.49	9.82	11.21	7.11	6.70
18	23.90	21.80	33.60	31.05	22.73	23.73	24.90	8.99	9.78	10.45	7.50	6.60
19	24.70	22.31	33.50	31.25	24.80	23.74	24.65	8.19	10.60	9.56	7.52	6.70
20	25.38	23.48	33.35	31.22	24.84	24.60	23.40	7.71	11.76	9.21	7.89	7.10
21	26.32	25.68	33.20	31.00	25.22	24.82	22.95	7.35	12.54	9.18	8.05	6.78
22	26.50	27.74	33.12	30.90	25.65	25.52	22.25	7.39	13.58	8.85	8.05	6.43
23	27.04	29.19	33.16	30.80	25.92	25.90	22.05	7.21	13.35	7.88	8.15	6.00
24	27.67	30.15	32.80	30.67	25.91	26.48	21.33	7.07	13.50	7.80	8.58	5.70
25	28.23	30.89	32.19	29.97	26.18	26.55	19.90	7.07	13.71	7.29	9.58	5.80
26	28.22	31.16	31.89	28.99	26.28	26.50	18.58	6.90	13.40	7.28	10.37	5.82
27	28.25	31.36	31.50	27.85	26.19	27.45	18.20	6.84	13.09	8.60	10.83	5.60
28	28.06	32.44	30.55	26.60	26.01	28.10	17.20	7.09	13.30	8.98	11.90	5.12
29	27.90	-----	30.00	25.10	25.92	28.30	17.20	7.05	12.52	9.31	12.26	4.68
30	27.70	-----	29.49	23.32	25.78	28.78	16.45	7.48	12.53	10.06	12.09	5.62
31	26.60	-----	29.38	-----	25.60	-----	15.65	7.90	-----	11.03	-----	6.24

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.66	23.90	32.96	29.61	22.09	24.52	24.96	10.10	10.89	10.49	9.15	7.85
MAX	28.25	32.44	34.41	31.25	26.28	28.78	30.48	15.35	13.71	12.23	12.26	12.35
MIN	10.64	20.05	29.38	23.32	16.93	22.40	15.65	6.84	7.98	7.28	7.11	4.68
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 19.07.
 HIGHEST STAGE WAS 34.49 AT 4:30 P.M. ON MAR 10.
 LOWEST STAGE WAS 4.67 ON DEC 29.

DAILY FLOW FOR 1989

ATCHAFALAYA RIVER AT SIMMESPORT, LA.--CONTINUED

COMPUTED DAILY DISCHARGE IN THOUSAND DAY SECOND FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	150	328	458	375	252	305	360	172	108	161	149	162
2	178	308	458	380	223	299	367	172	114	160	144	157
3	207	287	458	383	213	283	374	168	116	161	148	151
4	248	257	465	377	202	277	381	163	117	158	145	144
5	266	248	470	377	192	268	384	162	120	162	142	136
6	271	242	473	380	191	268	378	155	125	159	132	131
7	282	238	475	385	193	275	372	148	127	157	126	132
8	282	236	481	387	203	276	363	149	125	154	114	132
9	281	236	482	387	201	275	363	146	127	152	114	128
10	274	239	483	387	208	279	362	143	127	152	110	127
11	272	247	486	391	219	285	362	138	130	152	112	124
12	268	248	483	397	227	284	354	136	128	153	111	117
13	272	247	482	404	234	277	340	132	132	154	111	111
14	272	253	483	405	236	266	336	129	132	156	111	112
15	282	255	481	407	235	266	330	126	130	154	111	107
16	293	254	481	404	243	267	323	122	125	153	108	103
17	305	253	472	404	262	274	308	122	127	151	102	97
18	328	286	473	410	272	274	293	117	125	142	107	96
19	332	293	472	413	302	275	290	109	133	131	107	97
20	344	309	467	417	303	285	272	104	146	127	111	102
21	359	341	466	410	310	292	266	99	153	123	114	98
22	365	374	465	412	317	301	257	100	163	123	114	95
23	370	399	462	410	318	309	255	99	167	111	114	89
24	380	416	454	404	322	323	244	97	170	110	119	87
25	388	429	437	378	326	321	227	97	173	104	129	88
26	388	435	427	361	327	319	210	96	176	104	140	89
27	389	438	417	340	326	332	206	96	173	119	145	85
28	384	456	400	321	323	343	194	98	175	124	157	80
29	381	-----	387	299	322	348	193	98	168	128	161	75
30	377	-----	379	275	318	354	187	102	166	136	159	86
31	352	-----	378	-----	313	-----	176	107	-----	147	-----	92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	308	305	457	383	262	293	301	126	140	141	126	111
MAX	389	456	486	414	327	354	384	172	176	162	161	162
MIN	150	236	378	275	191	266	176	96	108	104	102	75
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

TOTAL FOR YEAR WAS 89,790,000 DSF.

THE MEAN FLOW FOR THE YEAR WAS 246,000 DSF.

MAXIMUM DAILY DISCHARGE WAS 486,000 DSF ON MAR 11.

MINIMUM DAILY DISCHARGE WAS 75,000 DSF ON DEC 29.

DAILY STAGE FOR 1989

ATCHAFALAYA RIVER AT MELVILLE, LA.

LOCATION. LAT. 30-41-26, LONG. 91-44-10. TEXAS AND PACIFIC RAILROAD BRIDGE 29.5 MILES (1963 SURVEY), FROM HEAD OF RIVER. (STA. 0306012B.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 41 FEET. MEAN LOW WATER STAGE 6.3 FEET. PRIOR TO 1975 GAGE ZERO WAS 0.18 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, 1885 TO DATE.

EXTREMES. HIGHEST, 46.98 FEET ON MAY 14 TO 16, 1927. LOWEST, 0.80 FOOT ON JAN. 19, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.4	20.4	26.6	23.2	17.7	19.9	23.2	11.9 E	5.7	9.0	8.0	8.9
2	9.3	19.1 E	26.6	23.5	16.0	19.6	23.5	11.9 E	6.1	9.0 E	7.7	8.8
3	11.4	18.7	26.7	23.8	15.1	18.7	23.9	11.6 E	6.2	8.9	7.9	8.4
4	13.8	17.7 E	27.0 E	23.5	14.4	18.3	24.2	11.2 E	6.3	8.8	7.8	8.0
5	15.4	17.0 E	27.2	23.6 E	13.6	17.9	24.4	10.9 E	6.6	8.9	7.8	7.5
6	15.9	16.5	27.4	23.6	13.4	17.9	24.2	10.5 E	6.9	8.8	7.1	6.9
7	16.3 E	16.3	27.4	23.8	13.4	18.2	23.9	10.0	7.0	8.6	6.6	7.0
8	16.4 E	16.1 E	27.6	24.0	14.0	18.2	23.6	9.8	6.9	8.5	6.0	7.1
9	16.3	16.0	27.8	24.0	14.0	18.0	23.5	9.4	6.9	8.3	5.9	6.7
10	16.0	16.1	27.9	23.9	14.4	18.2	23.5	8.6	7.0	8.2	5.6	6.6
11	15.8	16.6	28.1	24.0	15.0	18.5	23.5	8.3	7.2	8.3	5.7	6.5
12	15.6	16.7	28.1	24.3 E	15.5	18.7	23.2	7.8	7.2	8.3	5.7	6.2
13	15.8	16.7	28.0	24.7	15.7	18.3	22.5	7.6	7.4	8.4	5.7	5.6
14	16.0	17.0	28.0	24.7	15.9	17.8	22.3	7.5 E	7.4	8.6	5.7	5.5
15	16.3	17.1	27.8	25.0	15.9	18.3	21.9	7.4	7.3	8.4	5.8	5.4
16	17.0	17.1	27.6 E	24.8	16.3	18.3	21.6	6.9	7.0	8.5	5.5	5.0
17	17.6	17.0	27.2	24.7	17.0	18.6	20.8	6.9	7.0	8.3	4.9	4.6
18	18.8	17.4	27.2	25.0	17.6	18.7	20.0	6.7	6.9	7.8	5.3	4.5
19	19.6	17.8	27.1	25.1	19.1	18.7	19.8	5.9 E	7.5	7.0	5.3	4.6
20	20.2	18.6	27.0	25.2	19.5	19.2	18.7	5.6 E	8.5	6.7	5.4	4.7
21	21.0	20.4	26.9	25.0	19.8	19.6	18.2	5.3 E	9.1	6.5	5.6 E	4.6
22	21.2	22.2	26.8	24.9	20.1	20.1	17.7	5.3 E	9.6	6.3	5.7	4.2
23	21.6 E	23.4	26.7	24.8	20.2	20.5	17.5	5.2	9.6	5.6	5.7	3.7
24	22.1 E	24.2	26.4	24.7	20.6	20.9	17.0 E	5.0	9.7	5.5	5.9	3.6
25	22.7 E	24.9	26.0	24.2	20.8	21.0	15.8 E	5.0	9.7	5.1	6.6	3.6
26	22.7 E	25.2	25.7	23.4	20.9	21.0	14.8 E	4.9 E	9.6	5.1	7.2	3.8
27	22.8 E	25.5	25.5	22.4	20.8	21.7 E	14.5 E	4.8 E	9.4	5.8	7.7	3.6
28	22.6 E	26.4	24.6	21.5	20.7	22.2	13.6 E	5.0	9.7	6.3	8.4	3.6
29	22.4	-----	23.9	20.3	20.6	22.6	13.4 E	5.0	9.3	6.6	8.8	3.6
30	22.3	-----	23.6	18.8	20.5	22.9	13.0 E	5.2	9.2	7.1	8.7	3.5
31	21.4	-----	23.6	-----	20.3	-----	12.3 E	5.6	-----	7.8	-----	4.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.9	19.2	26.7	23.8	17.4	19.4	20.0	7.5	7.8	7.6	6.5	5.5
MAX	22.8	26.4	28.1	25.2	20.9	22.9	24.4	11.9	9.7	9.0	8.8	8.9
MIN	7.4	16.0	23.6	18.8	13.4	17.8	12.3	4.8	5.7	5.1	4.9	3.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 14.9.

HIGHEST STAGE WAS 28.1 ON MAR 11 AND LATER DATE(S).

LOWEST STAGE WAS 3.5 ON DEC 30.

DAILY STAGE FOR 1989

ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.

LOCATION. LAT. 30-32-07, LONG. 91-44-48. ON RIGHT BANK AT TENNECO OIL COMPANY WHARF, 41.3 MILES (1963 SURVEY) FROM HEAD OF RIVER AND 1,000 FEET DOWNSTREAM FROM MISSOURI PACIFIC RAILROAD BRIDGE. (STA. 03075128.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 37 FEET. MEAN LOW WATER STAGE, 6.1 FEET. ZERO OF GAGE, FROM 1935 THRU 1943 AND 1950 WAS MINUS 20.00 FEET, NGVD, 1944 THRU 1949 MINUS 0.03 FOOT, NGVD, 1951 TO DATE ZERO, NGVD.

RECORDS AVAILABLE. STAGE, 1912 TO DATE. DISCHARGE, OCT. 1934 TO SEPT. 1964 IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 38.5 FEET ON MAY 15, 1927. LOWEST, 0.90 FOOT ON OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.65	17.88	23.20	20.54	15.57	17.52	20.39	10.70	5.06	8.07	7.17	7.92
2	8.26	16.90	23.30	20.65	14.08	17.34	20.68	10.70	5.39	8.00	7.01	7.87
3	10.10	16.49	23.30	20.95	13.35	16.56	21.01	10.40	5.54	7.91	7.03	7.55
4	12.25	15.52	23.55	20.73	12.80	16.20	21.28	10.00	5.64	7.80	6.98	7.04
5	13.41	14.93	23.78	20.73	12.17	15.82	21.42	9.90	5.89	7.98	6.78	6.63
6	13.90	14.62	23.99	20.70	11.91	15.82	21.29	9.50	6.30	7.88	6.37	6.20
7	14.40	14.46	24.01	20.89	11.88	16.03	21.10 F	9.07	6.45	7.77	5.99	6.29
8	14.52	14.30	24.20	21.07	12.35	16.09	20.78	8.80	6.34	7.63	5.47	6.46
9	14.52	14.22	24.30	21.03	12.30	15.95	20.75 F	8.39	6.40	7.42	5.31	6.09
10	14.28	14.30	24.43	20.95	12.70	16.09	20.71	7.82	6.43	7.41	5.10	5.94
11	14.15	14.71	24.50	21.05	13.18	16.38	20.68	7.48	6.60	7.42	5.18	5.82
12	13.90	14.80	24.52	21.26	13.60	16.49	20.39	7.18	6.52	7.50	5.12	5.63
13	14.11	14.75	24.50	21.55	13.96	16.19	19.85	6.88	6.65	7.55	5.11	5.00
14	14.15	15.06	24.55	21.63	14.15	15.73	19.80	6.69	6.80	7.67	5.22	5.00
15	14.55	15.20	24.25	21.80	14.09	16.23	19.42	6.42	6.65	7.59	5.31	4.87
16	15.10	15.14	24.10	21.65	14.45	16.20	19.10	6.10	6.35	7.65	5.04	4.52
17	15.68	15.05	23.90	21.59	15.09	16.45	18.44	6.05	6.33	7.59	4.53	4.20
18	16.70	15.40	23.82	21.80	15.62	16.48	17.73	5.79	6.23	7.09	4.78	4.09
19	17.41	15.77	23.72	21.94	17.07	16.48	17.47	5.19	6.71	6.28	4.75	4.18
20	17.99	16.49	23.64	21.95	17.35	17.00	16.56	4.81	7.45	5.83	4.91	4.28
21	18.65	17.94	23.50	21.78	17.58	17.23	16.17 F	4.77	7.98	5.80	5.04	4.21
22	18.80	19.53	23.50	21.70	17.83	17.69	15.65	4.80	8.54	5.71	5.08	3.90
23	19.29	20.60	23.44	21.64	17.97	18.02	15.47	4.88	8.62	5.09	5.14 E	3.40
24	19.75	21.30	23.15	21.60	18.12	18.38	15.05	4.68	8.67	4.97	5.27	2.98
25	20.20	21.85	22.75	21.19	18.27	18.46	14.18	4.64	8.74	4.62	5.90	3.25
26	20.20	22.14	22.50	20.50	18.38	18.50	13.25	4.49	8.69	4.55	6.49	3.40
27	20.28	22.35	22.35	19.67	18.32	19.10	12.88	4.47	8.48	5.28	6.92	3.28
28	20.00	23.02	21.74	18.84	18.23	19.68	12.17	4.52	8.63	5.62	7.61	3.08
29	19.89	-----	21.22	17.82	18.15	19.90	12.05	4.54	8.38	5.97	7.87	3.04
30	19.75	-----	20.91	16.57	18.05	20.18	11.60	4.72	8.22	6.42	7.82	3.48
31	18.82	-----	20.80	-----	17.82	-----	11.00	4.99	-----	6.98	-----	4.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.86	16.95	23.40	20.86	15.37	17.14	17.69	6.75	7.02	6.81	5.88	4.96
MAX	20.28	23.02	24.55	21.95	18.38	20.18	21.42	10.70	8.74	8.07	7.87	7.92
MIN	6.65	14.22	20.80	16.57	11.88	15.73	11.00	4.47	5.06	4.55	4.53	2.98
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 13.20.

HIGHEST STAGE WAS 24.59 AT 7:00 P.M. ON MAR 13 AND LATER DATE(S).

LOWEST STAGE WAS 2.76 ON DEC 28.

DAILY STAGE FOR 1989

ATCHAFALAYA RIVER AT ATCHAFALAYA, LA.

LOCATION. LAT. 30-20-46, LONG. 91-43-18. ON RIGHT BANK 59.3 MILES (1963 SURVEY) FROM HEAD OF RIVER. (STA. 03090120.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 28 FEET. MEAN LOW WATER STAGE, 5.6 FEET. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.16 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, JAN. 1, 1931 TO DATE. FROM FEB. 1951 TO DEC. 1958, GAGE WAS ABOUT 0.8 MILE UPSTREAM. DISCHARGE, INTERMITTENTLY, 1945 TO 1950 AND 1955 TO 1979.

EXTREMES. HIGHEST, 30.22 FEET ON MAY 5, 1950. LOWEST, 0.40 FOOT ON JAN. 17, 1981. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.0	15.0	19.0	17.3	13.5	14.7	16.9	9.8	4.8	7.1	6.0	6.8
2	7.0	14.5	19.1	17.2	12.5	14.5	17.1	9.6	4.9	7.0	6.1	6.7
3	8.5	14.0	19.2	17.4	11.8	14.3	17.4	9.5	5.0	6.9	6.0	6.7
4 E	10.0	13.5	19.4	17.3	11.4	14.2	17.6	9.1	5.2	6.9	5.9	6.5
5	11.0	12.9	19.4	17.3	10.5	13.7	17.7	8.9	5.4	6.9	5.8	5.8
6	11.6	12.7	19.5	17.3	10.4	13.4	17.8	8.6	5.5	6.9	5.6	5.5
7	11.9	12.5	19.6	17.4	10.4	13.7	17.7	8.3	5.6	6.8	5.5	5.4
8	12.0	12.3	19.7	17.5	10.6	13.8	17.6	8.0	5.7	6.9 E	5.0	5.6
9	12.1	12.1	19.8	17.4	10.8	13.7	17.3	7.8	5.7	6.9 E	4.9	5.5
10	12.0	12.3	19.9	17.3	10.9	13.8	17.3	7.4	5.6	6.9 E	4.6	5.2
11	11.9	12.5	19.9	17.5	11.0	13.9	17.2	6.9	5.6	6.8 E	4.6	5.0
12	11.8	12.5	20.2	17.6	11.5	13.9	17.0	6.7	5.7	6.8	4.7	4.8
13	12.1	12.6	20.0	17.7	11.8	13.7	16.8	6.5	5.8	6.8	4.6	4.7
14	12.0	12.6	19.0	17.9	11.9	13.7	16.6	6.3	5.8	6.8	4.5	4.6
15 E	12.3	12.7	19.9	17.9	11.9	13.8	16.5	6.0	5.8	6.7	4.5	4.5
16 E	12.8	12.7	19.7	18.0	12.0	13.8	16.3	5.8	5.8	6.7	4.5	4.2
17 E	13.2	12.7	19.5	17.8	12.4	13.9	15.9	5.6	5.8	6.7	4.3	3.9
18 E	14.0	12.9	19.5	18.0	12.9	14.0	15.5	5.4	5.7	6.2	4.2	3.6
19 E	14.6	13.1	19.4	17.9	13.9	14.2	15.0	5.2	5.8	5.8	4.2 E	3.7
20 E	15.0	13.7	19.3	18.0	14.4	14.3	14.6	5.0	6.0	5.4	4.2 E	3.7
21 E	15.6 E	14.8	19.3	18.0	14.5	14.5	14.1	4.7	6.6	5.3	4.4 E	3.7
22 E	15.8 E	16.0	19.3	17.9	14.6	14.7	13.8	4.6	7.2	5.2	4.5 E	3.1
23 E	16.1 E	16.9	19.3	17.8	14.7	14.9	13.6	4.6	7.5	4.9	4.6 E	2.7
24 E	16.4 E	17.4	19.1	17.6	14.9	15.1	13.5	4.6	7.7	4.7	4.7 E	2.4
25 E	16.8 E	17.9	18.9	17.3	15.2	15.3	12.9	4.5	7.7	4.5	4.9 E	2.4
26 E	16.8	18.1	18.6	16.7	15.2	15.5	12.0	4.4	7.5	4.3	5.2	2.9
27 E	16.9	18.3	18.4	16.3	15.2	15.7	11.6	4.3	7.5	4.3 E	5.7	2.9
28 E	16.7	18.6	18.2	15.9	15.2	16.2	11.0	4.3	7.5	4.6	6.4 E	2.6
29 E	16.7	-----	17.9	15.5	14.9	16.5	10.6	4.3	7.2	5.0	6.8 E	2.7
30 E	16.6	-----	17.6	14.5	14.9	16.6	10.4	4.5	7.0	5.3	6.8 E	2.8
31	15.9	-----	17.4	-----	14.8	-----	10.0	4.7	-----	5.6	----- E	3.7

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.3	14.2	19.2	17.3	12.9	14.5	15.1	6.3	6.2	6.1	5.1	4.3
MAX	16.9	18.6	20.2	18.0	15.2	16.6	17.8	9.8	7.7	7.1	6.8	6.8
MIN	6.0	12.1	17.4	14.5	10.4	13.4	10.0	4.3	4.8	4.3	4.2	2.4
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 11.2.

HIGHEST STAGE WAS 20.2 ON MAR 12.

LOWEST STAGE WAS 2.4 ON DEC 24 AND LATER DATE(S).

DAILY STAGE FOR 1989

ATCHAFALAYA RIVER AT BUTTE LA ROSE, LA.

LOCATION. LAT. 30-16-57, LONG. 91-41-17. ON RIGHT BANK 64.8 MILES (1963 SURVEY) FROM HEAD OF RIVER, 600 FEET NORTH OF BOAT LAUNCHING RAMP. (STA. 03120120.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 18 FEET. MEAN LOW WATER STAGE, 5.17 FEET. PRIOR TO OCT. 17, 1967, GAGE WAS LOCATED ON LEFT BANK. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.30 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 29, 1928 TO DATE.

EXTREMES. HIGHEST, 27.28 FEET ON MAY 23, 1973. LOWEST, 0.33 FOOT ON OCT. 17, 1976. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.20	14.07	17.40	15.90	12.65	13.60	15.54	8.95	3.85	6.10	5.40	5.88
2	6.40	13.37	17.52	15.95	11.55	13.44	15.75	8.90	3.92	6.12	5.36	5.84
3	7.70	13.05	17.55	16.02	11.00	13.10	15.98	8.54	4.24	6.00	5.25	5.54
4	9.20	12.40	17.75	16.00	10.50	12.80	16.20	8.28	4.32	5.95	5.25	5.18
5	10.10	11.75	17.94	16.02	10.12	12.57	16.39	8.10	4.50	5.92	5.15	4.95
6	10.55	11.65	18.03	16.00	9.80	12.60	16.30	7.75	4.75	6.08	4.90	4.60
7	10.90	11.57	18.10	16.05	9.67	12.65	16.21	7.40	4.95	5.94	4.63	4.70
8	11.07	11.30	18.13	16.10	9.81	12.65	16.04	7.25	4.90	5.82	4.32	4.72
9	11.07	11.20	18.28	16.15	9.84	12.55	16.03	6.91	4.75	5.55	4.10	4.45
10	10.95	11.23	18.39	16.02	10.00	12.58	16.00	6.45	4.90	5.65	3.88	4.50
11	10.90	11.40	18.42	16.10	10.25	12.75	16.10	6.10	5.02	5.65	3.93	4.52
12	10.73	11.47	18.43	16.20	10.52	12.84	16.10	5.85	4.94	5.70	3.94	4.30
13	10.87	11.46	18.43	16.40	10.75	12.68	15.85	5.62	4.98	5.70	3.95	4.16
14	10.95	11.62	18.38	16.40	10.95	12.45	15.51	5.43	5.19	5.71	4.10	3.90
15	11.20	11.71	18.30	16.56	10.90	12.78	15.30	5.23	5.00	5.60	4.20	3.90
16	11.58	11.64	18.24	16.48	11.07	12.72	15.00	5.04	4.86	5.68	3.89	3.45
17	11.98	11.60	18.06	16.42	11.42	12.82	14.70	4.95	4.81	5.75	3.35	3.20
18	12.65	11.80	18.02	16.53	11.72	12.87	14.20	4.81	4.82	5.35	3.67	3.15
19	13.19	12.00	17.97	16.62	12.65	12.87	13.90	4.35	5.08	4.75	3.67	3.20
20	13.64	12.40	17.87	16.50	13.00	13.07	13.50	4.06	5.60	4.15	3.72	3.23
21	14.08	13.37	17.82	16.58	13.20	13.31	13.10	3.84	6.00	4.12	3.82	3.20
22	14.29	14.48	17.85	16.50	13.50	13.55	12.77	3.96	6.38	4.35	3.84 E	2.60
23	14.64	15.27	17.87	16.40	13.65	13.80	12.48	3.98	6.55	4.02	3.72 E	2.30
24	14.89	15.80	17.67	16.40	13.80	14.02	12.20	3.84	6.50	3.68	3.87 E	1.90
25	15.28	16.33	17.40	16.12	13.96	14.20	11.62	3.79	6.52	3.54	4.33	1.80
26	15.34	16.59	17.30	15.78	14.04	14.20	11.04	3.65	6.55	3.44	4.80	2.36
27	15.40	16.78	17.13	15.28	14.05	14.52	10.64	3.60	6.40	3.74	5.19	2.36
28	15.28	17.20	16.78	14.80	14.04	14.90	10.10	3.60	6.50	4.22	5.65	2.20
29	15.20	-----	16.43	14.17	13.91	15.22	9.95	3.60	6.52	4.56	5.80	2.25
30	15.12	-----	16.29	13.35	13.88	15.40	9.56	3.62	6.25	4.89	5.76	2.35
31	14.67	-----	16.15	-----	13.80	-----	9.14	3.85	-----	5.20	-----	3.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.10	13.02	17.74	15.99	11.94	13.32	13.97	5.53	5.32	5.13	4.45	3.68
MAX	15.40	17.20	18.43	16.62	14.05	15.40	16.39	8.95	6.55	6.12	5.80	5.88
MIN	5.20	11.20	16.15	13.35	9.67	12.45	9.14	3.60	3.85	3.44	3.35	1.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 10.17.

HIGHEST STAGE WAS 18.43 ON MAR 12 AND LATER DATE(S).

LOWEST STAGE WAS 1.80 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU LA ROMPE AT LAKE LONG (LA.)

LOCATION. LAT. 30-13-29, LONG. 91-35-18. TOWER ON RIGHT BANK OF BAYOU LA ROMPE 400 FEET UPSTREAM OF LAKE LONG. (STA. 0321012D)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1945 AND 1959 TO 1962. DAILY, JAN. 1971 TO MAR. 14, 1973 AND OCT. 24, 1974 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 22.84 FEET ON APR. 18, 1975. LOWEST, 1.50 FEET ON NOV. 11, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.89	13.97	17.00	15.66	12.74	13.48	15.30	9.40	4.80	6.82 F	6.09	6.56
2	6.95	13.39		15.67	11.77	13.37	15.47	9.35	4.93	6.79	6.07	6.53
3	8.19	13.15		15.76	11.25	13.05	15.69	9.08	5.01	6.73	5.97	6.28
4	9.53	12.53		15.73	10.83	12.80	15.90	8.77	5.07	6.65	5.98	
5	10.33	12.13		15.74	10.50	12.58	16.04	8.60	5.26	6.74	5.92 F	5.57
6	10.74	11.86		15.71	10.18	12.62	15.98	8.30	5.57	6.72	5.71	5.39
7	11.02	11.73		15.74	10.02	12.65	15.91	7.95	5.67	6.63	5.42	5.45
8	11.18	11.55 F	17.70	15.82	10.15	12.70	15.77	7.83	5.65	6.51	5.14	5.67
9	11.18	11.44		15.84	10.15	12.61	15.49	7.48	5.70	6.34		5.20
10	11.08	11.45		15.78	10.30	12.63	15.68	7.07	5.67	6.37 F	4.66	5.22
11	11.07	11.65		15.80	10.50	12.77	15.66	6.76	5.78	6.37	4.77	5.24
12	10.95	11.68		15.90	10.72	12.83	15.52	6.53	5.76	6.43	4.76	5.10
13	11.06	11.65		16.06	10.92	12.68	15.22	6.33	5.80	6.45	4.77	4.52
14	11.16	11.80		16.12	11.08	12.47	15.31	6.17	5.93	6.51 F	4.82	4.63
15	11.37	11.88 F	17.85	16.23	11.07	12.82	15.05	5.99	5.80	6.52 F	4.92	4.60
16	11.69	11.86	17.82	16.16	11.23	12.74	14.83	5.80	5.56	6.60 F	4.82	4.20
17	12.04	11.80	17.65	16.14	11.55	12.84	14.51	5.72	5.55	6.60		3.98
18	12.63	11.97	17.58	16.22	11.85	12.85	14.09	5.55	5.57	6.18		3.93
19	13.13	12.17	17.54	16.29	12.70	12.85	13.82	5.13	5.87	5.53		4.01
20	13.54 F	12.45	17.46	16.30	12.96	13.05	13.45	4.87	6.34	5.14 F	4.52	3.98
21	13.90		17.44	16.25	13.12	13.23	13.10	4.68	6.73	5.17	4.62	3.95
22	14.12 F	14.38	17.43	16.18	13.33	13.47	12.73	4.75	7.10	5.13	4.64	3.56
23	14.39	15.05	17.37	16.14	13.45	13.68	12.53	4.87	7.24	4.70	4.62	2.98
24	14.68	15.54	17.26	16.10	13.62	13.90	12.28	4.70	7.14	4.60	4.65 F	2.72
25	14.99	16.00	17.04	15.88	13.73	13.98	11.78	4.66	7.22		5.04	3.08
26	15.05	16.26	16.90	15.53	13.83	14.04	11.24	4.55	7.24 F	4.28	5.53	3.24
27	15.11	16.46	16.84	15.09	13.85	14.37	10.90	4.54	7.10		5.90	3.17
28	15.02	16.85	16.45	14.64	13.81	14.90	10.44	4.53	7.20		6.37	3.08
29	14.99	-----	16.17	14.07	13.76	15.05	10.25	4.55	7.07		6.52	3.23
30	14.90	-----	16.04	13.37	13.71	15.17	9.92	4.66	6.91		6.43	3.50
31	14.51	-----	15.87	-----	13.61	-----	9.53	4.75	-----		-----	4.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.14	13.06	17.13	15.73	12.01	13.27	13.86	6.26	6.07	6.10	5.33	4.43
MAX	15.11	16.85	17.85	16.30	13.85	15.17	16.04	9.40	7.24	6.82	6.52	6.56
MIN	5.89	11.44	15.87	13.37	10.02	12.47	9.53	4.53	4.80	4.28	4.52	2.72
DAYS	31	27	19	30	31	30	31	31	30	25	26	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 341

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.34.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 17.86 AT 2:15 P.M. ON MAR 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.72 ON DEC 24.

DAILY STAGE FOR 1989

WHISKEY BAY PILOT CHANNEL BELOW HEAD (LA.)

LOCATION. LAT. 30-23-35, LONG. 91-39-50. TOWER ON RIGHT BANK, 600 FEET BELOW JUNCTION WITH ATCHAFALAYA RIVER, 55.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 03240120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 6, 1973 TO JUN. 20, 1973 AND JAN. 9, 1976 TO DATE.

EXTREMES. HIGHEST, 30.00 FEET ON MAY 22, 1973. LOWEST, 0.48 FOOT ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.00			17.67	13.86	15.13		9.87		7.15	6.33	6.77
2	7.33		F	17.77	12.69	14.97		9.80		7.12	6.24	6.71
3	8.78		F	17.95	12.10	14.45		9.51		7.04	6.19	6.40
4	10.55			17.83	11.57	14.17		9.14		6.95	6.17	5.96
5	11.52			17.85	F 11.13	13.95		8.97		7.08	6.05	5.67
6	11.93			17.84	10.88	13.96		8.63	F 5.83	7.02	5.71	5.33
7	12.33			17.84	F 10.86	14.05		8.21		6.91	5.42	5.42
8	12.51			18.03	11.01	14.12		8.10		6.77	5.03	5.60
9	12.50	F	20.75	18.04	11.00	13.98		7.65		6.60	4.87	5.20
10	12.34		20.89	17.97	11.24	14.06		7.14		6.62	4.64	5.16
11	12.27		20.94	18.02	11.56	14.25		6.81		6.62	4.75	5.12
12	12.07		20.95	18.20	11.86	14.34	F 17.43	6.60		6.67	4.73	4.94
13	12.25		20.90	18.45	12.15	14.12	17.16			6.72	4.73	4.36
14	12.30		20.88	18.47	12.33	13.80	17.25			6.79	4.84	4.46
15	12.61		20.75	18.62	12.27	14.23	16.94			6.77	4.97	4.41
16	13.02		20.63	18.50	12.54	14.15	16.65			6.82	4.62	4.00
17	13.46	F 13.09	20.39	18.46	13.03	14.32	16.20			6.77	4.14	3.73
18	14.28	13.37	20.35	18.60	13.45	14.33	15.65			6.35	4.45	3.67
19	14.87	13.65	20.33	18.71	14.53	14.34	15.33			5.61	4.20	3.75
20	15.35	14.17	20.20	18.74	14.79	14.63	14.75			5.22	4.33	3.78
21	15.95	15.36	20.17	18.62	15.00	14.87	14.40	F 7.09		5.23	4.43	3.73
22	16.15	16.60	20.15	18.55	15.22	15.20		7.48		5.17	4.45	3.32
23	16.45	F 17.22	20.09	18.47	15.35	15.47		36		4.67	4.44	2.76
24	16.80		19.90	18.42	15.50	15.74		7.55		4.58	4.57	2.50
25	17.26		19.57	F 18.60	15.64	15.80	F 12.68	7.64		4.28	5.10	2.87
26	17.30		19.40	17.60	15.73	15.85		7.64		4.22	5.57	3.02
27	17.36		19.22	16.94	15.72	16.30		7.47		4.74	5.95	2.95
28	17.17		18.74	F 16.35	15.66	16.88	11.08	7.60		5.07	6.52	2.83
29	17.06	-----	18.35	15.53	15.57	17.00	10.92	7.40		5.37	6.72	2.89
30	16.94	-----	18.14	14.63	15.50	17.11	10.50	7.28		5.73	6.63	3.25
31		-----	17.99	-----	15.36	-----	10.04	-----		6.17	-----	3.93

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.56	14.78	19.99	17.91	13.39	14.85	14.47	8.37	7.32	6.09	5.23	4.34
MAX	17.36	17.22	20.95	18.74	15.73	17.11	17.43	9.87	7.64	7.15	6.72	6.77
MIN	6.00	13.09	17.99	14.63	10.86	13.80	10.04	6.60	5.83	4.22	4.14	2.50
DAYS	30	7	23	30	31	30	15	12	11	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 281

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.55.

HIGHEST STAGE WAS 20.97 AT 1:30 A.M. ON MAR 12.

LOWEST STAGE WAS 2.45 ON DEC 24.

DAILY STAGE FOR 1989

BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)

LOCATION. LAT. 30-14-26, LONG. 91-33-54. ON RIGHT BANK, ABOUT 300 FEET BELOW JUNCTION WITH UPPER GRAND RIVER, 68.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0331512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 9, 1958 TO JUNE 30, 1970 AND OCT. 2, 1974 TO DATE. PRIOR TO NOV. 1964, GAGE WAS ON LEFT BANK. DISCHARGE, 1932 TO 1942, AND INTERMITTENTLY, 1944 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.80 FEET ON APR. 8, 1975. LOWEST, (FROM INCOMPLETE RECORD) 0.97 FOOT ON JUNE 24, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.38	13.32	16.30	14.96	12.13	12.86	14.63	8.77	4.27	6.27	5.50	5.97
2	6.45	12.73	16.37	15.00	11.14	12.76	14.78	8.73	4.40	6.25	5.47	5.94
3	7.65	12.47	16.47	15.12	10.64	12.41	14.98	8.45	4.44	6.17	5.38	5.69
4	9.04	11.93	16.63	15.05	10.23	12.18	15.19	8.13	4.53	6.10	5.39	5.30
5	9.83	11.55	16.75	15.00	9.93	11.96	15.30	7.95	4.72	6.20	5.33	5.11
6	10.18	11.30	16.83	15.00	9.57	12.01	15.26	7.66	5.02	6.19	5.08	4.79
7	10.45	11.15	16.88	15.02	9.42	12.04	15.17	7.32	5.13	6.10	4.84	4.88
8	10.63	10.99	16.95	15.10	9.58	12.12	15.03	7.18	5.10	5.95	4.56	5.10
9	10.64	10.88	17.05	15.11	9.58	11.98	14.97	6.85	5.15	5.80	4.34	4.85
10	10.55	10.88	17.13	15.05	9.73	12.00	14.95	6.45	5.13	5.85	4.13	4.77
11	10.55	11.06	17.17	15.09	9.95	12.14	14.94	6.15	5.23	5.83	4.22	4.78
12	10.40	11.09	17.18	15.20	10.20	12.20	14.80	5.89	5.22	5.88	4.18	4.65
13	10.52	11.06	17.17	15.36	10.40	12.06	14.52	5.71	5.25	5.90	4.21	4.07
14	10.60	11.21	17.23	15.40	10.57	11.85	14.60	5.57	5.37	5.95	4.35	4.15
15	10.82	11.29	17.12	15.54	10.54	12.15	14.33	5.39	5.26	5.96	4.49	4.12
16	11.11	11.25	17.03	15.46	10.72	12.07	14.13	5.20	5.01	6.04	4.14	3.72
17	11.44	11.20	16.93	15.44	11.03	12.17	13.82	5.12	5.00	6.03	3.67	3.51
18	12.00	11.38	16.85	15.55	11.36	12.20	13.39	4.93	5.02	5.64	3.95	3.44
19	12.45	11.56	16.80	15.65	12.25	12.20	13.13	4.53	5.32	4.99	3.88	3.54
20	12.85	11.95	16.75	15.64	12.47	12.39	12.80	4.28	5.77	4.62	3.95	3.49
21	13.27	12.76	16.73	15.60	12.64	12.59	12.44	4.12	6.15	4.63	4.05	3.47
22	13.47	13.74	16.70	15.54	12.85	12.82	12.14	4.20	6.51	4.60	4.07	3.07
23	13.75	14.36	16.65	15.52	12.95	13.02	11.89	4.32	6.60	4.17	4.04	2.50
24	14.00	14.85	16.54	15.47	13.08	13.23	11.65	4.16	6.53	4.07	4.11	2.27
25	14.32	15.35	16.30	15.25	13.20	13.31	11.13	4.10	6.60	3.82	4.57	2.62
26	14.35	15.58	16.17	14.90	13.28	13.37	10.58	4.00	6.64	3.75	4.97	2.77
27	14.40	15.77	16.07	14.39	13.27	13.70	10.26	3.99	6.50	4.17	5.32	2.70
28	14.33	16.22	15.75	13.95	13.22	14.17	9.77	3.97	6.62	4.47	5.77	2.62
29	14.30	-----	15.46	13.38	13.19	14.34	9.62	3.99	6.45	4.73	5.93	2.72
30	14.23	-----	15.32	12.70	13.15	14.50	9.27	4.12	6.37	5.04	5.84	3.07
31	13.85	-----	15.15	-----	13.04	-----	8.88	4.26	-----	5.40	-----	3.76

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.54	12.46	16.59	15.05	11.46	12.63	13.17	5.66	5.51	5.37	4.66	3.98
MAX	14.40	16.22	17.23	15.65	13.28	14.50	15.30	8.77	6.64	6.27	5.93	5.97
MIN	5.38	10.88	15.15	12.70	9.42	11.85	8.88	3.97	4.27	3.75	3.67	2.27
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 9.82.

HIGHEST STAGE WAS 17.24 AT 1:45 P.M. ON MAR 11 AND LATER DATE(S).

LOWEST STAGE WAS 2.18 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU CHENE BELOW BAYOU CHENE CUT (LA.)

LOCATION. LAT. 30-07-30, LONG. 91-29-58. NEAR SOUTH BANK OF BAYOU CHENE CUT. (STA. 03420120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JAN. 23, 1976 TO MAY 24, 1989.

EXTREMES. HIGHEST, 19.36 FEET ON APR. 26, 1979. LOWEST, MINUS 0.04 FOOT ON NOV. 12, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		F 12.20	F 14.75	13.68								
2		12.64	14.85	F 13.69								
3		12.90	14.93	F 13.80								
4			15.07		F 9.49							
5	F 8.98		15.17	F 13.68	9.30							
6	8.60		15.20	13.67	8.93							
7	8.34		15.27		8.77							
8	8.16		15.30	F 13.77	8.85							
9	8.19	F 9.96	15.40	13.79	8.87							
10	8.24	9.93	15.47	F 13.75	8.96							
11		10.05	15.51	F 13.80	9.05							
12		10.10	15.53	13.85	9.25							
13	F 9.62	10.11	15.54		9.42							
14		10.25	15.56		9.57							
15		10.30	15.53		9.58							
16		10.35	15.43		9.72							
17		10.30	15.37		10.05							
18	F 10.98	10.44	15.32		10.34							
19		10.58	15.26	F 14.10	11.06							
20		10.93	15.21		11.27							
21		11.64	15.17		11.40							
22		12.44	15.16		11.57							
23		13.00	15.11		11.67							
24		13.37	15.03		11.80							
25	F 13.08	13.73	F 14.85		T							
26	13.15			F 13.56								
27	13.15											
28	13.19											
29	13.20	-----										
30	13.25	-----	F 13.98									
31	F 13.50	-----	13.85	-----		-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.91	11.26	15.14	13.76	9.95							
MAX	13.50	13.73	15.56	14.10	11.80							
MIN	8.16	9.93	13.85	13.56	8.77							
DAYS	15	20	27	12	21	0	0	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 95

F=NOT AT STATED TIME T=TEMPORARILY INOPERATIVE

THE MEAN STAGE FOR THE YEAR WAS 12.33.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 15.57 AT 4:00 A.M. ON MAR 14.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1969

CHICOT PASS AT WEST FORK CHICOT PASS (LA.)

LOCATION. LAT. 30-03-39, LONG. 91-29-08. TOWER ON RIGHT BANK 83.0 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0346509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 10, 1959 TO JUNE 30, 1973 AND JULY 11, 1974 TO DATE.

EXTREMES. HIGHEST, 20.70 FEET ON MAY 26, 1973. LOWEST, 1.73 FEET ON OCT. 18, 1967.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.10	12.85	15.14	14.28	11.95	11.56	13.91	9.27	5.40	7.04	6.35	6.71
2	6.98	12.44	15.24	14.30	11.20	11.63	14.07	9.14	5.46	7.03	6.37	6.68
3	7.98	12.20	15.31	14.36	10.77	11.86	14.20	8.87	5.47	6.94	6.23	6.56
4	9.05	11.72	15.43	14.30	10.45	11.87	14.38	8.57	5.56	6.88	6.27	6.14
5	9.79	11.40	15.56	14.29	10.25	11.73	14.45	8.42	5.74	6.97	6.27	5.99
6	10.18	11.20	15.55	14.25	9.86	11.72	14.42	8.15	6.04	6.99	6.04	5.73
7	10.40	11.05	15.63	14.29	9.70	11.73	14.36	7.85	6.13	6.90	5.87	5.81
8	10.59	10.90	15.67	14.34	9.78	11.84	14.26	7.74	6.11	6.76	5.64	5.95
9	10.57	10.78	15.77	14.35	9.82	11.72	14.20	7.45	6.15	6.63	5.37	5.55
10	10.51	10.77	15.85	14.32	9.87	11.70	14.19	7.15	6.12	6.68	5.18	5.60
11	10.53	10.93	15.87	14.32	9.94	11.82	14.17	6.90	6.21	6.66	5.27	5.66
12	10.40	10.95	15.89	14.40	10.14	11.85	14.07	6.73	6.18	6.73	5.27	5.52
13	10.49	10.96	15.90	14.55	10.32	11.76	13.85	6.58	6.22	6.73	5.30	5.00
14	10.55	11.10	15.93	14.60	10.48	11.60	13.95	6.47	6.34	6.75	5.47	5.12
15	10.70	11.15	15.90	14.69	10.47	11.88	13.72	6.31	6.18	6.80	5.62	5.12
16	10.95	11.13	15.85	14.65	10.60	11.78	13.54	6.19	5.95	6.90	5.20	4.67
17	11.21	11.08	15.78	14.68	10.85	11.85	13.29	6.14	5.95	6.89	4.80	4.57
18	11.65	11.20	15.70	14.70	11.10	11.85	12.95	5.89	5.98	6.53	5.08	4.49
19	12.07	11.36	15.67	14.73	11.77	11.85	12.73	5.54	6.27	5.92	4.99	4.61
20	12.41	11.70	15.63	14.75	11.97	12.00	12.47	5.34	6.62	5.59	5.03	4.48
21	12.67	12.36	15.60	14.70	11.87	12.15	12.15	5.21	6.91	5.64	5.12	4.49
22	12.85	13.12	15.60	14.65	11.71	12.34	11.90	5.33	7.21	5.60	5.15	4.58
23	13.10	13.57	15.54	14.64	11.60	12.52	11.70	5.48	7.27	5.26	5.05 F	3.75
24	13.35	13.95	15.46	14.61	11.50	12.70	11.53	5.32	7.16	5.18	5.12 F	3.75
25	13.59	14.32	15.30	14.45	11.40	12.80	11.13	5.23	7.27	4.89	5.55	3.74
26	13.65	14.53	15.20	14.19	11.31	12.85	10.66	5.16	7.33	4.84	5.88	3.89
27	13.70	14.70	15.10	13.84	11.30	13.12	10.40	5.16	7.21	5.23	6.17	3.85
28	13.64	15.04	14.89	13.47	11.35	13.65	10.03	5.14	7.28	5.52	6.62	3.81
29	13.63	-----	14.70	13.05	11.36	13.70	9.85	5.13	7.17	5.73	6.65	3.95
30	13.57	-----	14.56	12.47	11.40	13.77	9.59	5.25	7.08	5.99	6.56	4.23
31	13.29	-----	14.43	-----	11.47	-----	9.25	5.39	-----	6.33	-----	4.89

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.30	12.09	15.47	14.31	10.89	12.17	12.75	6.53	6.40	6.28	5.65	5.00
MAX	13.70	15.04	15.93	14.75	11.97	13.77	14.45	9.27	7.33	7.04	6.65	6.71
MIN	6.10	10.77	14.43	12.47	9.70	11.56	9.25	5.13	5.40	4.84	4.80	3.74
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.89.

HIGHEST STAGE WAS 15.93 AT 8:00 A.M. ON MAR 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 3.57 ON DEC 28.

DAILY STAGE FOR 1989

CHICOT PASS NEAR MYETTE POINT (LA.)

LOCATION. LAT. 29-53-33, LONG. 91-26-44. ON RIGHT BANK, 3/4 MILE ABOVE MYETTE POINT, 95.4 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL.
(STA. 0354010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, MAR. 27, 1963 TO DATE. DISCHARGE, INTERMITTENTLY, 1935 TO 1950, 1955 TO 1961, AND 1968 TO 1979.

EXTREMES. HIGHEST, 17.80 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.06 FOOT (DATE UNDETERMINED) IN 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1981 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.62	10.36	11.93	11.42	9.60	9.86	11.15	7.52	4.26	5.60	5.03	5.23
2	5.31	10.05	12.07	11.42	9.04	9.83	11.26	7.39	4.25	5.59	5.10	5.30
3	6.09	9.86	12.24	11.46	8.71	9.70	11.40	7.10	4.24	5.50	4.90	5.10
4	6.88	9.50	12.34	11.45	8.44	9.52	11.57	6.83	4.33	5.44	5.00	4.83
5	7.51	9.23	12.44	11.40	8.29	9.37	11.60	6.70	4.49	5.53	5.03	4.75
6	7.88	9.04	12.43	11.41	7.87	9.37	11.62	6.45	4.76	5.58	4.86	4.50
7	8.05		12.42	11.40	7.66	9.33	11.60	6.20	4.85	5.50	4.67	4.57
8	8.17		12.46	11.45	7.67	9.39	11.50	6.10	4.85	5.36	4.56	4.74
9	8.17		12.53	11.45	7.74	9.33	11.47	5.87	4.88	5.23	4.27	4.30
10	8.16		12.60	11.40	7.67	9.28	11.47	5.65	4.84	5.32	4.11	4.37
11	8.22		12.64	11.36	7.76	9.35	11.45	5.42	4.90	5.30	4.18	4.50
12	8.13		12.65	11.45	7.96	9.39	11.38	5.30	4.87	5.33	4.18	4.40
13	8.15		12.65	11.57	8.11	9.35	11.21	5.17	4.82	5.32	4.23	3.87
14	8.20		12.68	11.63	8.21	9.28	11.38	5.09	5.00	5.38	4.43	4.00
15	8.31		12.69	11.65	8.20	9.47	11.16	4.96	4.89	5.47	4.59	4.07
16	8.50		12.65	11.70	8.30	9.34	11.00	4.85	4.64	5.59	4.15	3.75
17	8.70		12.60	11.69	8.50	9.37	10.85	4.80	4.64	5.58	3.76	
18	9.02		12.56	11.65	8.70	9.39	10.62	4.63	4.68	5.37	4.04	
19	9.37		12.52	11.69	9.25	9.37	10.44	4.31	4.88	4.70	3.94	
20	9.66		12.48	11.64	9.45	9.45	10.22	4.16	5.13	4.39	3.94 F	3.20
21	9.82		12.45	11.67	9.57	9.58	9.95	4.07	5.46	4.46	4.00	
22	10.11		12.45	11.63	9.70	9.73	9.72	4.20	5.65	4.46	4.05	
23	10.28		12.40	11.61	9.79	9.87	9.54	4.38	5.70	4.19	3.94	
24	10.45		12.35	11.60	9.89	10.04	9.37	4.23	5.56	4.09	3.94	
25	10.66		12.25	11.50	9.98	10.13	9.06	4.13	5.65	3.89	4.34 F	2.49
26	10.72	11.42	12.15	11.35	10.05	10.19	8.73	4.07	5.73	3.83	4.57	2.66
27	10.77	11.58	12.10	11.09	10.00	10.40	8.44	4.07	5.62	3.90	4.80	2.67
28	10.77	11.78	11.90	10.84	9.99	10.85	8.13	4.02	5.69	4.02	5.13	2.67
29	10.78	-----	11.78	10.52	9.96	11.00	7.93	3.98	5.60	4.20	5.31	2.75
30	10.74	-----	11.73	10.10	9.95	11.07	7.70	4.09	5.61	4.75	5.15	2.94
31	10.60	-----	11.56	-----	9.92	-----	7.40	4.27	-----	5.01	-----	3.61

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.80	10.31	12.35	11.41	8.90	9.72	10.33	5.16	5.02	4.96	4.47	3.97
MAX	10.78	11.78	12.69	11.70	10.05	11.07	11.62	7.52	5.73	5.60	5.31	5.30
MIN	4.62	9.04	11.56	10.10	7.66	9.28	7.40	3.98	4.24	3.83	3.76	2.49
DAYS	31	9	31	30	31	30	31	31	30	31	30	24

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 339

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.88.

HIGHEST STAGE WAS 12.70 AT 1:00 A.M. ON MAR 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 2.45 ON DEC 25.

DAILY STAGE FOR 1989

GRAND LAKE AT CHARENTON FLOODGATE (LA.)

LOCATION. LAT. 29-54-08, LONG. 91-31-12. ON NORTHEAST WALL IN FOREBAY OF THE STRUCTURE.
(STA. 0355013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 6, 1974 TO DATE.

EXTREMES. HIGHEST, 16.20 FEET ON APR. 22 AND 23, 1975. LOWEST, 0.80 FOOT ON OCT. 10, 1976.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.0	10.7	12.5	11.9	10.3	10.3	10.4	6.6	3.2	4.7	4.4	4.6
2	5.5	10.5	12.6	11.8	9.6	10.2	10.5	6.6	3.3	4.8	4.4	4.6
3	5.7	10.3	12.7	11.9	9.3	10.2	10.5	6.5	3.2	4.8	4.5	4.6
4	7.0	10.0	12.8	11.9	9.1	10.2	10.8	6.4	3.4	4.7	4.5	4.4
5	7.8	9.8	12.9	12.0	9.0	10.1	11.0	6.1	3.3	4.8	4.5	4.3
6	8.2	9.6	12.9	12.0	8.5	10.0	11.0	6.0	3.6	4.8	4.4	4.2
7	8.3	9.4	12.9	11.8	8.2	9.9	10.9	5.6	3.7	4.8	4.3	4.1
8	8.3	9.3	13.0	11.8	8.2	9.9	10.8	5.8	3.8	4.8	4.0	4.3
9	8.3	9.0	13.0	11.8	8.2	8.6	10.7	5.7	3.8	4.6	3.9	4.1
10	8.5	9.0	13.1	12.0	8.2	8.5	10.7	5.6	3.8	4.5	4.1	4.1
11	8.5	9.0	13.2	11.8	8.3	8.5	10.7	5.3	3.9	4.6	4.1	4.1
12	8.4	9.0	13.3	12.0	8.3	8.5	10.6	4.8	3.9	4.7	4.1	4.1
13	8.3	9.0	13.3	12.1	8.3	8.6	10.5	4.7	3.9	4.7	3.9	3.9
14	8.5	9.1	13.3	12.3	8.3	8.4	10.5	4.4	4.0	4.7	3.7	3.4
15	8.6	9.1	13.3	12.2	8.5	8.5	10.5	4.2	4.0	4.7	3.6	3.2
16	8.8	9.2	13.3		8.6	8.4	10.3	4.1	3.9	4.6	3.7	3.1
17	9.0	9.1	13.1	12.3	8.9	8.5	10.2	4.3	3.9	4.7	3.2	3.1
18	9.3	9.2	13.1	12.3	9.0	8.5	10.0	3.7	3.8	4.7	3.0	2.8
19	9.5	9.3	13.1	12.3	9.5	8.6	9.6	3.6	3.8	4.3	3.0	2.7
20	9.7	9.5	13.1	12.3	9.7	8.7	9.3	3.4	3.7	3.9	3.0	2.6
21	10.0	9.8	13.0	12.3	9.8	8.8	9.2	3.3	3.6	4.1	3.1	2.6
22	10.3	9.9	13.0	12.2	10.0	8.9	8.9	3.3	4.2	4.1	3.1	2.6
23	10.5	10.3	13.0	12.2	10.2	9.0	8.8	3.1	4.6	3.9	3.0	2.6
24	10.6	10.8	12.9	12.2	10.3	9.2	8.6	3.1	4.9	3.3	3.0	2.6
25	10.9	11.3	12.8	12.1	10.3	9.3	8.4	3.1	4.8	3.2	3.7	2.4
26	11.0	11.5	12.7	11.8	10.3	9.3	8.0	3.1	4.9	3.6	3.9	2.0
27	11.1	11.8	12.6	11.7	10.4	9.4	7.5	3.1	4.8	3.5	4.2	2.0
28	11.1	12.3	12.4	11.5	10.4	9.8	7.6	2.9	4.9	3.6	4.5	2.0
29	11.1	-----	12.2	11.1	10.3	10.0	7.4	2.9	4.9	3.7	4.6	2.0
30	11.0	-----	12.3	10.9	10.3	10.2	7.2	2.9	4.8	4.1	4.6	2.0
31	10.9	-----	12.3	-----	10.3	-----	6.7	3.1	-----	4.4	-----	2.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.0	9.9	12.9	11.9	9.3	9.2	9.6	4.4	4.0	4.3	3.9	3.3
MAX	11.1	12.3	13.3	12.3	10.4	10.3	11.0	6.6	4.9	4.8	4.6	4.6
MIN	5.0	9.0	12.2	10.9	8.2	8.4	6.7	2.9	3.2	3.2	3.0	2.0
DAYS	31	28	31	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 7.6.

HIGHEST STAGE WAS 13.3 ON MAR 12 AND LATER DATE(S).

LOWEST STAGE WAS 2.0 ON DEC 26 AND LATER DATE(S).

DAILY STAGE FOR 1989

GRAND LAKE AT CHARENTON, LA.

LOCATION. LAT. 29-54-20, LONG. 91-31-26. ON THE NORTHEAST WALL OF CHARENTON FLOODGATE.
(STA. 0355513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE ZERO WAS MINUS 0.94 FOOT NGVD.

RECORDS AVAILABLE. STAGE, FEB. 18, 1932 TO DATE.

EXTREMES. HIGHEST, 17.99 FEET ON MAY 24 AND 25, 1973. LOWEST, MINUS 1.84 FEET ON JAN. 19, 1940.
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.77	9.45	11.07	10.57	8.87	9.00		6.66 F	3.25	4.57	3.95	4.17
2	4.37	9.15	11.18	10.54	8.31	8.97		6.63	3.27	4.57	4.04	
3	5.05	8.93	11.30	10.56	7.94	8.88		6.35	3.33	4.49	3.86	
4	5.78	8.63	11.41	10.55	7.64	8.70		6.10	3.37	4.44	3.93	
5	6.43	8.32	11.50	10.56	7.43	8.55		5.93	3.53	4.48	3.94	
6	6.80	8.11	11.56	10.49	7.14	8.55		5.73	3.55	4.52	3.78	
7	6.96	7.95	11.67	10.50	6.88	8.48		5.47	3.72	4.45	3.73	
8	7.13	7.82	11.74	10.50	6.82	8.50		5.37	3.72	4.38	3.50	
9	7.16	7.70	11.79	10.58	6.84	8.48		5.17	3.73	4.25	3.28	
10	7.15	7.63	11.85	10.55	6.84	8.40 F	10.70	4.93	3.67	4.27	3.09	
11	7.20	7.67	11.95	10.50	6.86	8.42	10.70	4.69	3.74	4.25	3.14	
12	7.14	7.71	11.93	10.57	6.99	8.45	10.64	4.53	3.77	4.30	3.15	
13	7.20	7.74	11.95	10.65	7.11	8.43	10.48	4.37	3.76	4.29	3.19	
14	7.26	7.77	11.96	10.72	7.27	8.35	10.66	4.24	3.96	4.32	3.35	
15	7.34	7.81	11.97	10.82	7.29	8.58	10.44	4.13	3.94	4.40	3.49	
16	7.49	7.80	11.95		7.34	8.47	10.31	3.97	3.75	4.48	3.28	
17	7.66	7.77	11.88		7.51	8.45 F	10.00	3.91	3.70	4.45	2.69	
18	7.92	7.80	11.83		7.72	8.46	9.83		3.74	4.27	2.87 F	2.44
19	8.31	7.86	11.77		8.20	8.44	9.59		3.89	3.72	2.84	2.60
20	8.62	8.09	11.74		8.43	8.53	9.42		4.15	3.33	2.87	2.43
21	8.80	8.50	11.67		8.56	8.63	9.15		4.40	3.37	2.95	2.46
22	9.00	8.98	11.68		8.68	8.77	8.90		4.58	3.38	2.97	2.22
23	9.18	9.35	11.61		8.80	8.94	8.72		4.70	3.14	2.95 F	1.89
24	9.37	9.74	11.56 F	10.78	8.90	9.12	8.56		4.61	3.03	2.90	
25	9.61	10.07	11.45	10.69	9.00	9.21	8.28		4.64	2.85	3.24 F	1.63
26	9.70	10.36	11.36	10.54	9.10	9.29	7.95		4.70	2.77	3.53	1.87
27	9.78	10.58	11.29	10.29	9.14	9.49	7.67		4.65	2.97	3.80	1.87
28	9.80	10.87	11.13	10.03	9.12	10.00	7.37		4.69	3.24	4.12	1.86
29	9.81	-----	10.98	9.71	9.10		7.14		4.68	3.44	4.18	2.00
30	9.79	-----	10.90	9.30	9.09		6.95		4.61	3.65	4.09	2.14
31	9.66	-----	10.72	-----	9.05	-----	6.67	-----	-----	3.84	-----	2.74

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.78	8.58	11.56	10.45	8.00	8.73	9.10	5.19	3.99	3.93	3.42	2.31
MAX	9.81	10.87	11.97	10.82	9.14	10.00	10.70	6.66	4.70	4.57	4.18	4.17
MIN	3.77	7.63	10.72	9.30	6.82	8.35	6.67	3.91	3.25	2.77	2.69	1.63
DAYS	31	28	31	22	31	28	22	17	30	31	30	14

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 315

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.07.

HIGHEST STAGE WAS 11.98 AT 1:00 A.M. ON MAR 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.63 ON DEC 25.

DAILY STAGE FOR 1989

KEELBOAT PASS BELOW LAKE CHICO? (LA.)

LOCATION. LAT. 30-02-19, LONG. 91-27-22. ON RIGHT BANK, ABOUT ONE MILE ABOVE MOUTH, 84 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0361509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE ZERO PRIOR TO 1971 WAS MINUS 0.13 FOOT, NGVD.

RECORDS AVAILABLE. STAGE, MAY 1928 TO DEC. 1965, AND JAN. 1971 TO DATE. DISCHARGE, INTERMITTENTLY, 1944 TO 1950, AND 1955 TO 1961.

EXTREMES. (PRESENT DATUM) HIGHEST, (FROM INCOMPLETE RECORD) 18.23 FEET ON MAY 24, 1973. LOWEST, 0.23 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		6.35	6.91	7.79	6.58	6.08	7.15	5.05	2.38	3.19	2.49	2.61
2	F 2.49	6.32	7.13	7.62	6.39	6.12	7.20	5.08	2.37	3.16	2.67	2.62
3	2.60	6.25	7.44	7.57	6.10	6.28	7.29	4.90	2.34	3.13	2.70	2.58
4	2.80	6.07	7.61	7.50	5.92	6.20	7.42	4.73	2.29	3.10	2.68	2.59
5	2.98	5.93	7.75	7.47	5.85	6.12	7.53	4.54	2.35	3.07	2.67	2.54
6	3.36	5.79	7.86	7.40	5.60	6.20	7.58	4.39	2.46	3.04	2.69	2.50
7	3.68	5.63	7.92	7.32	5.37	6.09	7.64	4.20	2.59	3.05	2.73	2.59
8	3.86	5.50	7.98	7.30	5.17	6.03	7.61	4.10	2.65	3.02	2.88	2.55
9	4.00	5.38	8.10	7.30	5.01	6.05	7.55	3.95	2.71	3.03	2.90	2.52
10	4.10	5.30	8.18	7.26	4.87	5.98	7.50	3.80	2.73	2.99	2.82	2.50
11	4.27	5.20	8.30	7.20	4.80	5.90	7.47	3.60	2.74	2.96	2.70	2.47
12	4.39	5.17	8.37	7.18	4.73	5.87	7.45	3.47	2.92	2.94	2.58	2.35
13	4.43	5.15	8.48	7.18	4.70	5.82	7.40	3.36 F	2.90	2.95	2.53	2.38
14	4.53	5.17	8.50	7.22	4.85	5.80	7.73	3.25	2.88	2.96	2.55	2.17
15	4.60	5.25	8.58	7.30	4.84	5.95	7.60	3.14	2.95	2.97	2.75	2.11
16	4.62	5.18	8.60	7.35	4.85	5.91	7.47	3.06	2.88	3.05	2.77	2.00
17	4.69	5.14	8.62	7.38	4.89	5.82	7.30	2.99	2.82	3.12	2.69	1.70
18	4.73	5.11	8.61	7.40	4.95	5.79	7.15	2.92	2.75	3.10	2.50	1.55
19	4.92	5.10	8.58	7.40	5.30	5.75	6.99	2.87	2.71	3.07	2.37	1.60
20	5.13	5.15	8.52	7.40	5.44	5.75	6.81	2.74	2.70	2.99	2.20	1.51
21	5.26	5.25	8.50	7.40	5.50	5.78	6.73	2.60	2.75	2.82	2.11	1.42
22	5.37	5.31	8.47	7.39	5.63	5.82	6.53	2.51	2.82	2.69	2.10	1.15
23	5.52	5.45	8.46	7.39	5.70	5.90	6.38	2.50	2.89	2.57	2.20	0.60
24	5.70	5.66	8.42	7.40	5.80	5.99	6.30	2.57	2.85	2.42	2.10	0.40
25	5.78	5.85	8.36	7.40	5.90	6.08	6.12	2.57	2.87	2.28	2.04	0.48
26	5.90	6.15	8.31	7.37	5.99	6.20	5.97	2.50	2.87	2.09	2.18	0.94
27	6.05	6.38	8.20	7.27	6.02	6.30	5.72	2.47	2.90	2.02	2.35	1.00
28	6.20	6.63	8.11	7.15	6.03	7.05	5.56	2.36	2.90	2.14	2.50	1.10
29	6.21	-----	8.02	7.00	6.03	7.11	5.40	2.50	3.02	2.28	2.55	1.40
30	6.30	-----	8.02	6.82	6.05	7.15	5.22	2.41	3.14	2.38	2.63	1.60
31	6.32	-----	7.92	-----	6.05	-----	5.07	2.38	-----	2.43	-----	2.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.69	5.60	8.16	7.34	5.51	6.10	6.87	3.34	2.74	2.81	2.52	1.86
MAX	6.32	6.63	8.62	7.79	6.58	7.15	7.73	5.08	3.14	3.19	2.90	2.62
MIN	2.49	5.10	6.91	6.82	4.70	5.75	5.07	2.36	2.29	2.02	2.04	0.40
DAYS	30	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364
 F=NOT AT STATED TIME
 THE MEAN STAGE FOR THE YEAR WAS 4.79.
 HIGHEST STAGE WAS 8.64 AT 3:00 P.M. ON MAR 17.
 LOWEST STAGE WAS 0.23 ON DEC 24.

DAILY STAGE FOR 1989

55

SIX MILE LAKE ABOVE CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-48-35, LONG. 91-24-43. AT SIX MILE LAKE BOAT LAUNCH, ABOUT 4500 FEET NORTH OF WAX LAKE OUTLET CONTROL STRUCTURE. OPPOSITE MILE 103 (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0363010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 6, 1988 TO DATE.

EXTREMES. HIGHEST, 10.40 FEET ON MAR. 14, 1989. LOWEST, 0.85 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.25		9.66	9.35	7.80	8.04	9.22	6.12	3.04	3.92	3.49	3.68
2		8.20	9.83	9.36	7.30	8.01	9.35	5.85	3.00	3.90	3.59	3.69
3		8.11	9.94	9.40	7.03	7.88	9.45	5.56	2.94	3.83	3.37	3.49
4		7.92	10.03	9.41	6.78	7.71	9.59	5.32	3.07	3.79	3.49	3.25
5		7.82	10.12	9.29	6.71	7.61	9.63	5.15	3.21	3.89	3.55	3.19
6			10.08	9.22	6.33	7.57	9.63	4.91	3.44	3.96	3.42	2.98
7			10.10	9.24	6.15	7.54	9.60	4.69	3.51	3.89	3.29	3.06
8			10.13	9.26	6.15	7.69	9.54	4.58	3.49	3.75	3.15	3.19
9			10.15	9.33	6.23	7.77	9.53	4.33	3.51	3.63	2.83	2.74
10			10.21	9.27	6.14	7.70	9.56	4.15	3.46	3.71	2.69	2.83
11		6.84	10.25	9.18	6.13	7.76	9.55	3.94	3.53	3.65	2.75	2.96
12		6.84	10.28	9.24	6.24	7.77	9.48	3.87	3.50	3.71	2.76	2.86
13		6.88	10.29	9.30	6.38	7.73	9.17	3.75	3.50	3.67	2.79	2.40
14		6.97	10.35	9.35	6.51	7.62	9.32	3.71	3.64	3.64	3.02	2.57
15		7.02	10.37	9.40	6.52	7.83	9.16	3.60	3.39	3.76	3.18	2.63
16		7.02	10.35	9.40	6.61	7.66	9.00	3.50	3.15	3.89	2.69	2.19
17		6.99	10.32	9.42	6.83	7.67	8.83	3.45	3.15	3.91	2.39	2.19
18		6.99	10.30	9.45	6.96	7.67	8.64	3.30	3.22	3.62	2.66	2.14
19	7.58	7.07	10.25	9.50	7.47	7.65	8.49	3.02	3.47	3.18	2.54	2.22
20	7.91	7.31	10.24	9.47	7.62	7.70	8.31	2.93	3.69	2.92	2.52	1.99
21	8.11	7.75	10.22	9.44	7.73	7.80	8.05	2.88	3.94	2.99	2.57	2.00
22	8.33	8.17	10.20	9.43	7.82	7.89	7.84	3.00		2.97	2.63	1.66
23	8.57	8.43	10.11	9.42	7.92	8.06	7.69	3.21		2.75	2.46	1.13
24	8.65	8.69	10.06	9.41	8.00	8.22	7.51	3.07		2.65	2.47	0.85
25	8.66	8.96	9.98	9.34	8.07	8.29	7.25	2.96		2.44	2.85	1.31
26	8.67	9.12	9.91	9.20	8.14	8.35	6.94	2.92		2.41	3.10	1.48
27	8.63	9.28	9.87	8.99	8.17	8.57	6.72	2.94		2.63	3.33	1.50
28	8.51	9.53	9.75	8.79	8.13	8.94	6.48	2.85		2.86	3.71	1.50
29		-----	9.66	8.54	8.16	9.05	6.34	2.80		3.04	3.66	1.68
30		-----	9.61	8.17	8.16		6.15	2.89		3.24	3.54	1.95
31		-----	9.49	-----	8.11	-----	5.88	3.06	-----	3.51	-----	2.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.90	7.81	10.07	9.25	7.17	7.92	8.45	3.82	3.37	3.41	3.02	2.39
MAX	8.67	9.53	10.37	9.50	8.17	9.05	9.63	6.12	3.94	3.96	3.71	3.69
MIN	3.25	6.84	9.49	8.17	6.13	7.54	5.88	2.80	2.94	2.41	2.39	0.85
DAYS	11	22	31	30	31	29	31	31	21	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

THE MEAN STAGE FOR THE YEAR WAS 6.15.

HIGHEST STAGE WAS 10.40 AT 2:00 A.M. ON MAR 14.

LOWEST STAGE WAS 0.85 ON DEC 24.

DAILY STAGE FOR 1989

SIX MILE LAKE NEAR VERDUNVILLE, LA.

LOCATION. LAT. 29-45-49, LONG. 91-23-35. ON WEST BANK IN VERDUNVILLE CANAL, OPPOSITE MILE 105.2 (1963 SURVEY), FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0364510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 6, 1933 TO DATE. GAGE HAS BEEN LOCATED IN CYPRESS PASS AT CYPRESS ISLAND DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 15.22 FEET (FROM INCOMPLETE RECORD) ON MAY 24 AND 25, 1973. LOWEST, MINUS 2.23 FEET ON OCT. 18, 1948.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.19	4.65	5.76	5.54	4.48	4.92	5.87	5.02			1.60	1.75
2	1.39	4.45	6.00	5.79	4.10	5.00	6.00	3.93			1.97	1.74
3	1.84	4.36	6.15	5.75	4.20	4.96	5.97	3.45			1.35	1.25
4	2.01	3.93	6.36	5.88	4.25	4.97	6.12	3.20			1.87	1.42
5	2.74	3.98	6.45	5.64	4.70	4.94	6.00	2.94			2.23	1.53
6	3.31	3.90	6.17	5.48	3.62	4.62	5.95	2.55			2.18	1.38
7	3.25	3.70	6.20	5.64	3.60	4.50	5.89	2.40			1.95	1.37
8	3.48	3.75	6.29	5.76	3.65	5.39	5.81	2.48			1.97	1.14
9	3.16	3.24	6.28	5.70	4.05	4.32	5.83	2.38			1.04	0.40
10	3.75	3.47	6.35	5.47	3.09	4.25	5.97	2.55			1.15	0.94
11	3.58	3.56	6.43	5.33	2.87	4.59	5.96	2.35			1.36	1.30
12	3.53	3.40	6.44	5.53	3.08	4.54	5.86	2.59			1.47	0.90
13	3.28	3.55	6.45	5.65	3.37	4.60	5.74	2.50			1.57	0.66
14	3.17	3.59	6.52	5.73	3.58	4.61	6.00	2.65	F	2.71	2.07	1.30
15	3.07	3.60	6.63	5.80	3.60	4.70	5.77	2.52		2.25	2.32	1.63
16	3.14	3.59	6.59	5.75	3.84	4.21	5.66	2.55		2.57	0.94	0.59
17	3.28	3.48	6.60	5.84	4.25	4.44	5.44	2.55		2.51	1.30	1.23
18	3.55	3.57	6.56	5.84	4.34	4.53	5.37	2.31		1.90	1.75	1.07
19	3.93	3.69	6.45	5.85	4.82	4.53	5.27	2.00		1.26	1.49	1.16
20	4.12	4.20	6.47	5.74	4.63	4.38	5.05	2.12		1.51	1.20	0.35
21	3.93	4.38	6.47	5.72	4.70	4.60	4.73	2.15	F	2.75	1.65	1.22
22	4.45	4.30	6.39	5.83	4.65	4.59	4.71	2.40		1.60	1.43	-0.40
23	4.55	4.38	6.36	5.89	4.67	4.79	4.65	2.73		1.47	0.45	F -0.79
24	4.75	4.68	6.34	5.84	4.73	4.90	4.40	2.50		1.39	0.79	
25	4.77	4.97	6.27	5.75	4.87	4.97	4.20	2.23		1.15	1.40	F -0.30
26	4.80	5.18	6.22	5.58	4.94	5.08	4.18	2.35		1.20	1.37	0.05
27	4.80	5.42	6.16	5.38	4.72	5.57	4.07	2.41		1.21	1.49	0.25
28	4.80	5.69	6.06	5.24	4.54	6.05	3.91	2.17		1.50	1.82	0.35
29	4.87	-----	6.01	5.06	4.60	5.91	3.98	2.14		1.55	1.20	0.77
30	4.78	-----	5.98	4.70	4.77	5.87	3.92	2.09		1.75	1.17	1.16
31	5.33	-----	5.74	-----	4.87	-----	3.70	1.99	-----	2.12	-----	1.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.63	4.09	6.30	5.62	4.20	4.84	5.23	2.59	2.75	1.74	1.50	0.89
MAX	5.33	5.69	6.63	5.89	4.94	6.05	6.12	5.02	2.75	2.71	2.32	1.84
MIN	1.19	3.24	5.74	4.70	2.87	4.21	3.70	1.99	2.75	1.15	0.45	-0.79
DAYS	31	28	31	30	31	30	31	31	1	18	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 322

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.78.

HIGHEST STAGE WAS 6.73 AT 7:00 P.M. ON MAR 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.79 ON DEC 23.

DAILY STAGE FOR 1989

WAX LAKE OUTLET AT CALUMET, LA.

LOCATION. LAT. 29-42-09, LONG. 91-22-07. ON WEST SIDE OF EAST CALUMET FLOODGATE, DOWNSTREAM END, ABOUT 9.6 MILES WEST OF MORGAN CITY, LA., AND 111.1 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0372010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. AT MILE 111.4 (1963 SURVEY), BETWEEN U.S. HIGHWAY 90 BRIDGE AND SOUTHERN PACIFIC RAILROAD BRIDGE.

RECORDS AVAILABLE. STAGE, MAY 14, 1942 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, 1942 TO 1946, 1949 TO 1955, AND INTERMITTENTLY, 1957 TO DATE.

EXTREMES. HIGHEST, 11.16 FEET ON MAY 27, 1973. LOWEST, MINUS 2.68 FEET ON OCT. 3, 1948.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.60	3.05	4.04	3.85	2.91	3.55	4.45	4.65	1.99	1.91	1.07	1.05
2	0.65	2.85	4.30	4.20	2.69	3.70	4.50	3.29	1.72	1.76	1.42	1.04
3	0.90	2.80	4.43	4.10	2.87	3.70	4.45	2.85	1.43	1.54	0.87	0.44
4	0.83	2.35	4.63	4.30	3.35	3.85	4.50	2.59	1.83	1.50	1.52	0.95
5	1.45	2.53	4.77	3.88	3.65	3.85	4.37	2.34	2.10	1.90	1.77	1.10
6	2.04	2.47	4.35	3.80	2.65	3.40	4.29	1.94	2.30	2.18	1.95	1.05
7	1.93	2.25	4.35	4.00	2.70	3.35	4.23	1.85	2.34	2.15	1.78	0.96
8	2.12	2.47	4.46	4.25	2.93	4.55	4.10	1.95	2.24	1.65	1.77	0.47
9	1.80	1.85	4.42	4.10	3.30	2.98	4.14	1.90	2.22	1.75	0.55	-0.17
10	2.60	2.20	4.50	3.62	2.06	2.95	4.30	2.02	2.19	2.11	0.77	0.37
11	2.40	2.37	4.57	3.40	1.85	3.43	4.30	1.80	2.28	1.83	0.80	0.75
12	2.45	2.10	4.57	3.65	1.85	3.33	4.17	2.05	2.18	1.98	0.95	0.30
13	2.00	2.30	4.55	3.77	2.32	3.40	4.09	2.00	2.19	1.64	1.00	0.11
14	2.00	2.25	4.65	3.83	2.49	3.53	4.35	2.17	2.39	1.35	1.45	0.75
15	1.67	2.26	4.78	3.94	2.42	3.43	4.18	2.13	1.57	1.90	1.63	1.03
16	1.65	2.21	4.75	3.86	2.70	2.88	4.09	2.04	1.20	2.19	0.35	0.21
17	1.75	2.09	4.90	4.00	3.17	3.17	3.89	2.20	1.45	2.77	0.92	0.90
18	2.12	2.18	4.77	4.00	3.25	3.35	3.90	1.82	1.67	1.40	1.34	1.00
19	2.45	2.33	4.63	4.00	3.65	3.38	3.85	1.63	2.00	0.80	1.13	0.94
20	2.65	2.88	4.70	3.83	3.40	3.22	3.80	1.74	2.05	1.19	0.84	0.02
21	2.32	3.00	4.73	3.83	3.45	3.45	3.43	1.90	2.38	1.47	0.85	0.23
22	2.87	2.65	4.57	4.02	3.49	3.40	3.57	2.24	2.05	1.37	1.06	-0.77
23	3.02	2.60	4.58	4.15	3.42	3.48	3.55	2.49	2.02	1.37	-0.22	-1.30
24	3.22	2.89	4.65	4.07	3.52	3.57	3.28	2.29	1.37	1.18	0.25	-1.23
25	3.18	3.10	4.56	3.98	3.60	3.58	3.10	2.07	1.97	0.90	0.85	-0.45
26	3.23	3.35	4.55	3.83	3.70	3.72	3.20	2.14	2.02	0.99	0.83	-0.28
27	3.15	3.62	4.50	3.67	3.25	4.38	3.10	2.13	1.67	0.87	0.89	-0.07
28	3.20	3.70	4.43	3.55	3.00	4.87	3.03	1.92	1.76	1.10	1.12	-0.02
29	3.25	-----	4.43	3.40	3.13	4.50	3.13	1.83	1.46	1.19	0.43	0.40
30	3.14	-----	4.37	3.10	3.40	4.43	3.07	1.89	1.48	1.32	0.47	0.80
31	3.03	-----	4.10	-----	3.43	-----	3.07	2.03	-----	1.50	-----	1.42

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.25	2.60	4.54	3.87	3.02	3.61	3.85	2.19	1.92	1.57	1.01	0.39
MAX	3.25	3.80	4.90	4.30	3.70	4.87	4.50	4.65	2.39	2.77	1.95	1.42
MIN	0.60	1.85	4.04	3.10	1.85	2.88	3.03	1.63	1.20	0.80	-0.22	-1.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 2.57.
 HIGHEST STAGE WAS 5.26 AT 11:00 A.M. ON JUN 28.
 LOWEST STAGE WAS MINUS 1.37 ON DEC 23.

DAILY STAGE FOR 1989

LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (WEST)

LOCATION. LAT. 29-43-05, LONG. 91-13-29. ON WEST SIDE OF LOCK, 1.8 MILES NORTHWEST OF MORGAN CITY, LA. (STA. 0375010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, DEC. 13, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.68 FEET ON APR. 18, 1973. LOWEST, MINUS 2.00 FEET ON JAN. 8, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.49	2.25	2.23	2.64	2.70	2.76	3.15	3.16	2.09	2.26	1.67	1.84
2	1.63	2.25	2.25	2.63	2.66	3.03	3.13	3.27	1.93	2.10	2.10	2.00
3	1.97	2.25	2.30	2.63	2.64	3.12	3.10	3.06	1.92	1.95	1.19	1.74
4	2.05	2.24	2.32	2.64	2.62	3.11	3.58	2.61	1.99	2.04	1.83	1.65
5	2.53	2.23	2.39	2.60	2.73	3.09	3.50	2.39	2.17	2.30	2.26	1.78
6	2.95	2.20	2.35	2.58	2.69	3.30	3.44	2.00	2.55	2.57	2.10	1.65
7	2.98	2.20	2.34	2.56	2.65	3.15	3.38	1.93	2.54	2.38	1.85	1.74
8	3.16	2.19	2.32	2.59	2.64	3.13	3.27	2.35	2.48	2.03	2.15	1.77
9	2.22	2.15	2.33	2.54	2.62	3.12	3.26	2.64	2.57	1.97	1.54	1.18
10	1.75	2.15	2.33	2.50	2.60	3.05	3.27	2.47	2.35	2.40	1.48	1.47
11	1.78	2.15	2.34	2.45	2.55	3.03	3.22	2.07	2.43	2.14	1.65	1.77
12	1.81	2.15	2.36	2.45	2.27	3.00	3.16	2.34	2.32	2.35	1.77	1.62
13	1.83	2.16	2.38	2.46	2.15	2.94	3.12	2.20	2.29	2.09	1.80	1.26
14	1.83	2.19	2.40	2.45	2.35	2.88	4.08	2.24	2.50	1.89	2.30	1.59
15	1.90	2.18	2.40	2.51	2.38	2.97	3.74	2.18	1.83	2.26	2.50	1.79
16	1.90	2.20	2.41	2.52	2.37	2.92	3.52	2.13	1.58	2.38	1.58	1.06
17	1.91	2.20	2.44	2.53	2.37	2.85	3.37	2.22	1.68	2.01	1.14	1.39
18	1.92	2.22	2.45	2.54	2.37	2.82	3.29	1.93	2.00	1.75	1.74	1.28
19	1.98	2.23	2.45	2.55	2.76	2.85	3.21	1.75	2.42	1.10	1.50	1.46
20	2.09	2.23	2.47	2.62	2.77	2.97	3.15	1.85	2.45	1.10	1.34	0.94
21	2.13	2.26	2.47	2.62	2.82	2.93	3.10	1.93	2.55	1.60	1.33	1.02
22	2.14	2.25	2.57	2.61	2.82	2.99	3.04	2.08	2.37	1.64	1.47	0.32
23	2.15	2.24	2.60	2.62	2.79	3.05	3.04	2.32	2.34	1.57	0.85	-0.14
24	2.16	2.18	2.60	2.62	2.78	3.09	3.04	2.20	1.15	1.57	0.75	-0.23
25	2.16	2.20	2.60	2.64	2.76	3.06	2.98	2.02	2.00	1.39	1.57	0.35
26	2.16	2.20	2.62	2.63	2.79	3.04	2.94	2.10	2.17	1.43	1.62	0.58
27	2.17	2.20	2.65	2.63	2.78	3.00	2.92	2.22	2.05	1.36	1.1	0.72
28	2.17	2.23	2.64	2.62	2.79	3.08	2.87	1.93	2.20	1.72	1.97	0.80
29	2.20	-----	2.65	2.64	2.78	3.20	2.96	1.90	1.94	1.73	1.05	1.17
30	2.23	-----	2.70	2.63	2.77	3.17	2.92	1.97	1.77	1.90	0.80	1.47
31	2.23	-----	2.68	-----	2.77	-----	2.87	2.07	-----	2.14	-----	2.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	2.21	2.45	2.57	2.63	3.02	3.21	2.24	2.15	1.91	1.62	1.26
MAX	3.16	2.26	2.70	2.64	2.82	3.30	4.08	3.27	2.57	2.57	2.50	2.09
MIN	1.49	2.15	2.23	2.45	2.15	2.76	2.87	1.75	1.15	1.10	0.75	-0.23
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.28.

HIGHEST STAGE WAS 4.09 AT 7:00 A.M. ON JUL 14.

LOWEST STAGE WAS MINUS 0.26 ON DEC 23.

DAILY STAGE FOR 1989

LOWER ATCHAFALAYA RIVER AT BERWICK LOCK (LA.) (EAST)

LOCATION. LAT. 29-43-03, LONG. 91-13-28. ABOUT 75 FEET EAST OF LOCK, 1.8 MILES NORTHWEST OF
MORGAN CITY, LA. (STA. 0376510.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1955 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1983 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								3.15				
2	2.00											
3												
4				5.70	4.70							
5									2.40			
6						4.90	6.00					
7		4.10	5.95							2.30		
8												1.80
9								2.68				
10	3.50											
11												
12					3.70				2.70			1.45
13						4.80				2.40		
14		3.85									2.30	
15												
16					4.10			2.65				
17	3.40		6.30							2.85		
18							5.55					
19									2.55			1.50
20						4.60						
21			6.20								1.55	
22								2.50				
23												
24				5.60						1.82		
25							4.80					
26									2.70			
27	4.80											0.45
28		5.38									2.25	
29		-----										
30		-----			4.98							
31	4.79	-----	5.70	-----		-----			-----	2.35	-----	

DAILY STAGE FOR 1989

LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

LOCATION. LAT. 29-41-40, LONG. 91-12-39. AT U. S. COAST GUARD DOCK ON LEFT BANK, 300 FEET DOWNSTREAM FROM U. S. HIGHWAY 90 BRIDGE, 117.7 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0378010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

DISCHARGE RANGE. BETWEEN LOUISIANA HIGHWAY 183 AND U.S. HIGHWAY 90 BRIDGES.

GENERAL INFORMATION. DRAINAGE AREA NOT DETERMINED. BANKFULL STAGE, 4.0 FEET. NATURAL FLOW IS AFFECTED BY TIDES. PRIOR TO 1974 GAGE ZERO WAS MINUS 2.94 FEET, NGVD.

RECORDS AVAILABLE. STAGE, 1905 TO DATE. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. DISCHARGE, INTERMITTENTLY FROM 1927 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 10.53 FEET ON MAY 28, 1973. LOWEST, MINUS 5.44 FEET (AFFECTED BY STORM) ON AUG. 25, 1926. EXTREMES HAVE BEEN ADJUSTED TO NGVD. MAXIMUM, 741,000 CFS, WHICH IS A TOTAL OF OBSERVED FLOWS IN 1927 MADE AT MORGAN CITY ON JUNE 7, BAYOU BOEUF AT BOEUF (6-1/2 MILES EAST) ON JUNE 8, AND AT BAYOU RAMOS (FOUR MILES EAST) ON JUNE 10. MINIMUM, NOT DETERMINED.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.51	4.52	5.11	5.14	4.77	4.86	5.68	4.66	2.32	2.63	2.00	1.85
2	1.67	4.36	5.31	5.31	4.59	4.96	5.72	4.14	2.30	2.59	2.18	1.82
3	1.95	4.29	5.43	5.27	4.56	5.00	5.63	3.78	2.24	2.48	1.76	1.67
4	2.04	4.03	5.59	5.42	4.57	4.96	5.70	3.56	2.29	2.43	2.06	1.62
5	2.53	4.07	5.72	5.25	4.79	4.96	5.60	3.29	2.33	2.59	2.26	1.70
6	2.98	4.01	5.51	5.13	4.10	4.82	5.60	3.10	2.60	2.76	2.32	1.61
7	2.98	3.86	5.52	5.28	3.99	4.71	5.50	2.99	2.60	2.73	2.16	1.67
8	3.19	3.83	5.53	5.36	3.80	4.70	5.60	2.89 E	2.70	2.48	2.20	1.66
9	3.06	3.46	5.54	5.32 E	3.70	4.70	5.60	2.79	2.90	2.38	1.74	1.28
10	3.39	3.51	5.59	5.11	3.69	4.60	5.60	2.79	2.80	2.63	1.67	1.46
11	3.38	3.58	5.66	4.99	3.52	4.60	5.70	2.66	2.81	2.47	1.76	1.73
12	3.36	3.44	5.64	5.14	3.56	4.60	5.60	2.65	2.75	2.59	1.80	1.58
13	3.25	3.56	5.65	5.19	3.71	4.66	5.60	2.58	2.71	2.39	2.06	1.33
14	3.11	3.60	5.74	5.22	3.87	4.69	5.80	2.58	2.73	2.24	2.29	1.55
15	3.15	3.60	5.89	5.31	3.90	4.80	5.61	2.53	2.50	2.67	2.43	1.68
16	3.09	3.61	5.81	5.29	3.90 E	4.70	5.60	2.42	2.31	2.89	1.94	1.23
17	3.18	3.57	5.86	5.36	4.00 E	4.80	5.41	2.35	2.36	2.85	1.50	1.42
18	3.39	3.59	5.84	5.35	4.10	4.60	5.38	2.18	2.45	2.63	1.98	1.33
19	3.59	3.65	5.74	5.36	4.50	4.62	5.29	1.99	2.50	2.25	1.87	1.46
20	3.80	3.93	5.84	5.29	4.50	4.55	5.23	1.95	2.40	1.80	1.76	1.13
21	3.72	4.06	5.76	5.28 E	4.50	4.62	5.03	2.09	2.27	1.60	1.80	1.12
22	4.09	4.01	5.70	5.36	4.50	4.64	4.94	2.35	2.74	1.60	1.83	0.68
23	4.18	4.05	5.74	5.39	4.50	4.64	4.89	2.61	2.63	1.90	1.54 E	-0.30
24	4.36	4.24	5.70	5.35	4.50	4.68	4.70	2.50	2.30	1.90	1.54 E	-0.50
25	4.39	4.43	5.64	5.27	4.70	4.70	4.61	2.50	2.60	1.70	1.80	0.00
26	4.43	4.63	5.63	5.20	4.70	4.90	4.57	2.43	2.68	1.60	1.85 E	0.40
27	4.51	4.83	5.56	5.07	4.70	5.02	4.44	2.40	2.52	1.60	1.95	0.70
28	4.53	5.04	5.50	5.05	4.70	5.50	4.27	2.37	2.57	1.80	2.12	0.70
29	4.62	-----	5.50	4.97	4.70	5.60	4.22	2.31	2.48	1.90	1.88	1.00
30	4.54	-----	5.47	4.80	4.75	5.72	3.90	2.33	2.51	2.00	1.70	1.30
31	4.50	-----	5.34	-----	4.81	-----	3.96	2.34	-----	2.30	----- E	1.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.43	3.98	5.61	5.23	4.30	4.83	5.19	2.71	2.53	2.27	1.92	1.21
MAX	4.62	5.04	5.89	5.42	4.81	5.72	5.80	4.66	2.90	2.89	2.43	1.85
MIN	1.51	3.44	5.11	4.80	3.52	4.55	3.90	1.95	2.24	1.60	1.50	-0.50
DAY	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 3.60.

HIGHEST STAGE WAS 6.0 AT 4:00 P.M. ON MAR 14.

LOWEST STAGE WAS ESTIMATED MINUS 0.50 ON DEC 24.

DAILY STAGE FOR 1989

LOWER ATCHAFALAYA RIVER BELOW SWEET BAY LAKE (LA.)

LOCATION. LAT. 29-33-06, LONG. 91-14-41. IN SLIP ON RIGHT BANK, 10.3 MILES SOUTH OF MORGAN CITY, LA., ATTACHED TO WHARF OF TEXAS OIL COMPANY, 129.5 MILES (1963 SURVEY) FROM HEAD OF ATCHAFALAYA RIVER VIA ATCHAFALAYA BASIN MAIN CHANNEL. (STA. 0382010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, FEB. 29, 1956 TO DATE. FOR RECORDS 1946 TO 1956, REFER TO GAGE AT DEER ISLAND BAYOU, THREE MILES DOWNSTREAM.

EXTREMES. HIGHEST, 8.05 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.55 FEET ON NOV. 6, 1959.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80	2.23	2.47	2.64	2.44	2.80	3.47	4.20	1.74	1.63	1.07	0.94
2	0.80	2.12	2.80	2.82	2.36	2.94	3.48	2.84	1.54	1.59	1.35	1.02
3	0.90	2.05	2.65	2.73	2.47	2.99	3.52	2.49	1.34	1.45	0.94	0.72
4	0.81	1.83	2.80	2.88	3.23	3.22	3.50	2.37	1.59	1.40	1.34	0.87
5	1.18	1.95	2.87	2.70	3.10	3.30	3.32	2.19	1.89	1.62	1.55	1.04
6	1.60	1.95	2.64	2.74	2.49	2.85	3.18	1.89	2.04	1.87	1.72	1.00
7	1.50	1.85	2.66	2.94	2.60	2.84	3.20	1.87	2.08	1.88	1.62	1.05
8	1.69	1.97	2.79	3.17	2.60	4.09	3.13	1.82	1.98	1.64	1.66	0.76
9	1.54	1.64	2.74	3.13	2.95	2.50	3.09	1.79	1.99	1.54	0.90	0.21
10	2.04	1.83	2.89	2.67	2.13	2.58	3.23	1.92	2.02	1.85	0.94	0.53
11	1.96	1.99	2.99	2.49	1.88	2.85	3.22	1.75	2.04	1.67	0.93	0.82
12	2.05	1.85	3.00	2.62	1.83	2.72	3.10	1.90	1.98	1.75	0.95	0.61
13	1.80	1.90	2.95	2.63	2.12	2.80	3.10	1.87	1.99	1.45	1.02 F	0.60
14	1.80	1.79	2.88	2.63	2.23	2.90	3.18	2.03	2.12	1.28	1.40	
15	1.46	1.76	2.92	2.70	2.10	2.79	3.22	2.01	1.57	1.54	1.64	
16	1.32	1.70	2.91	2.66	2.23	2.46	3.16	1.96	1.32	1.76	0.89	
17	1.39	1.65	2.95	2.75	2.62	2.62	3.02	2.10	1.34	1.75	1.00	
18	1.50	1.66	2.95	2.80	2.69	2.75	3.13	1.74	1.49	1.50	1.34	
19	1.65	1.73	2.90	2.81	3.05	2.82	3.10	1.55	1.78	1.05	1.15	
20	1.80	2.10	3.00	2.73	2.79	2.60	3.03	1.65	1.86	1.13	1.00	
21	1.67	2.14	2.98	2.73	2.76	2.76	2.80	1.77	2.15	1.29	0.97	
22	1.98	1.91	2.97	2.95	2.75	2.75	2.95	2.12	1.90	1.24	1.06	
23	2.06	1.79	3.05	3.11	2.73	2.84	2.92	2.33	1.80	1.27	0.33	
24	2.24	1.94	3.05	3.01	2.76	2.90	2.79	2.15	1.42	1.09	0.47	
25	2.27	2.04	3.09	3.00	2.82	2.83	2.64	1.94	1.82	0.87	0.85	
26	2.35	2.25	3.25	2.87	2.77	2.92	2.75	1.95	1.83	0.87	0.84	
27	2.33	2.54	3.14	2.82	2.45	3.52	2.68	1.99	1.55	0.79	0.99	
28	2.37	2.47	3.15	2.67	2.25	3.92	2.64	1.76	1.62	0.97	1.14	
29	2.35	-----	3.16	2.55	2.37	3.40	2.65	1.70	1.47	1.04	0.67	
30	2.33	-----	2.93	2.54	2.56	3.40	2.65	1.68	1.46	1.14	0.68	
31	2.17	-----	2.73	-----	2.65	-----	2.72	1.84	-----	1.34	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.73	1.95	2.91	2.78	2.53	2.96	3.05	2.04	1.76	1.40	1.08	0.78
MAX	2.37	2.54	3.25	3.17	3.23	4.09	3.52	4.20	2.15	1.88	1.72	1.05
MIN	0.80	1.64	2.47	2.49	1.83	2.46	2.64	1.55	1.32	0.79	0.33	0.21
DAYS	31	28	31	30	31	30	31	31	30	31	30	13

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.15.

HIGHEST STAGE WAS 4.45 AT 10:30 A.M. ON JUN 28.

LOWEST STAGE WAS NOT DETERMINE

DAILY STAGE FOR 1989

WAX LAKE OUTLET VICINITY AT BELLE ISLE, LA.

LOCATION. LAT. 29-31-47, LONG. 91-23-39. ON GAS PLATFORM CATWALK IN LITTLE BAYOU NEAR CARGUIL SALT MINE. (STA. 0383010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, APR. 1973 TO DEC. 1975 AND APR. 13, 1976 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.65 FEET ON JAN. 17, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.31	1.28	1.47	1.27	1.28	2.23	2.97 F	2.52	1.57	1.49	0.65	0.45
2	0.25	1.12	1.90	1.94	1.26	2.21	2.87	2.45	1.25	1.32	1.09	0.50
3	0.26	1.15	1.73	1.76	1.67	2.40	2.37	1.98	0.95	1.09	0.40	-0.17
4	-0.07	0.68	1.92	2.14	3.02	2.82	2.56	1.85	1.40	1.15	1.15	0.50
5	0.53	1.08	2.05	1.52	2.61	2.83	2.63	1.65	1.82	1.60	1.50	0.69
6	1.20	1.08	1.45	1.64	1.87	2.35	2.13	1.17	1.92	1.83	1.63	0.73
7	0.98	0.98	1.55	2.12	1.90	2.60	2.23	1.25	1.95	1.85	1.42	0.65
8	1.20	1.34	1.80	2.58	2.28	3.17	2.15	1.27	1.85	1.37	1.37	-0.22
9	0.78	0.64	1.60	2.42	2.52	1.75	2.10	1.43	1.85	1.39	0.00	-0.86
10	1.73	1.27	1.80	1.38	1.57	1.97	2.38	1.57	1.97	1.80	0.32	-0.32
11	1.56	1.45	1.95	1.00	1.23	2.23	2.28	1.37	1.94	1.49	0.36	0.05
12	1.72	1.07	1.93	1.45	1.06	2.19	2.18	1.70	1.90	1.65	0.44	-0.42
13	1.13	1.17	1.80	1.48	1.82	2.24	2.18	1.68	1.93	1.20	0.57	-0.43
14	1.65	0.90	1.73	1.55	1.51	2.72	2.32	1.94	1.95	0.90	1.07	0.17
15	0.55	0.84	1.85	1.64	1.40	1.97	2.33	1.90	1.07	1.55	1.37	0.60
16	0.35	0.75	1.80	1.56	1.57	1.48	2.34	1.74	0.70	1.80	-0.09	-0.20
17	0.47	0.65	1.89	1.77	2.27	1.78	2.15	1.96	0.90	1.75	0.63	0.46
18	0.72	0.77	1.90	1.83	2.25	2.11	2.47	1.47	1.10	1.12	1.14	0.86
19	1.00	1.00	1.75	1.85	2.66	2.16	2.49	1.23	1.60	0.65	0.85	0.53
20	1.07	1.68	1.99	1.58	2.30	2.10	2.21	1.37	1.65	1.09	0.54	-0.40
21	0.65	1.58	1.94	1.65	2.21	2.25	1.91	1.57	2.00	1.27	0.55	-0.30
22	1.30	0.92	1.78	2.05	2.35	2.21	2.36	1.98	1.65	1.16	0.75	-1.29
23	1.35	0.67	1.91	2.32	2.22	2.28	2.33	2.11	1.60	1.17	-0.64	
24	1.55	1.00	2.04	2.17	2.36	2.36	1.94	2.00	1.11	0.96	-0.19 F	-1.14
25	1.50	1.10	2.08	2.16	2.56	2.19	1.69	1.72	1.70	0.68	0.50 F	-0.83
26	1.58	1.38	2.17	1.94	2.52	2.55	2.07	1.89	1.67	0.66	0.30	-0.75
27	1.49	1.72	2.05	1.88	1.64	3.15	2.03	1.85	1.22	0.54	0.35	-0.55
28	1.54	1.55	2.07	1.70	1.20	4.25	2.07	1.67	1.35	0.77	0.56	-0.40
29	1.48	-----	2.18	1.50	1.57	2.97	2.29	1.65	1.04	0.77	-0.28	0.10
30	1.39	-----	1.85	1.50	1.88	2.84	2.25	1.59	1.03	0.88	-0.15	0.43
31	1.12	-----	1.49	-----	1.98	-----	2.44	1.75	-----	1.17	-----	0.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.04	1.10	1.85	1.78	1.95	2.41	2.28	1.72	1.52	1.23	0.61	-0.02
MAX	1.73	1.72	2.18	2.58	3.02	4.25	2.97	2.52	2.00	1.85	1.63	0.98
MIN	-0.07	0.64	1.45	1.00	1.06	1.48	1.69	1.17	0.70	0.54	-0.64	-1.29
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.46.

HIGHEST STAGE WAS 4.32 AT 8:15 A.M. ON JUN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.39 ON DEC 22.

DAILY STAGE FOR 1989

ROUND BAYOU AT DEER ISLAND (LA.)

LOCATION. LAT. 29-28-28, LONG. 91-15-46. ON LEFT BANK OF ROUND BAYOU AT MOUTH OF LOWER ATCHAFALAYA RIVER, MILE 135.8 (1963 SURVEY). (STA. 0385010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.49 FOOT TO ALL STAGES IN 1974.

RECORDS AVAILABLE. MAR. 9, 1974 TO DATE.

EXTREMES. HIGHEST, 6.17 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.21 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.15	1.10	1.30	1.19	1.32	1.92	2.67	3.55	1.37	0.95	F	0.00
2	0.11	0.95	1.67	1.47	1.27	1.92	2.53	1.99	1.09	0.85		0.30
3	0.13	0.87	1.43	1.28	1.30	2.05	2.67	1.65	0.80	0.69		-0.15
4	-0.09	0.65	1.37	1.42	2.37	2.53	2.50	1.63	1.20	0.56		0.40
5	0.26	0.83	1.47	1.25 F	1.70	2.50	2.39	1.39	1.57	0.83		0.56
6	0.70	0.85	1.17	1.57	1.41	2.08	2.05	1.06	1.65	1.14		0.60
7	0.60	0.80	1.22	1.55	1.17	2.25	2.15	1.18	1.75	1.12		0.60
8	0.81	1.03	1.36	1.82 F	1.64	3.05	2.02	1.06	1.62	0.89		-0.02
9	0.60	0.65	1.29	1.92	2.25	1.46	1.97	1.24	1.57	0.88		-0.60
10	1.35	1.03	1.52	1.47	1.40	1.63	2.14	1.32	1.66	1.45		-0.24
11	1.20	1.27	1.67	1.31	1.05	1.90	2.09	1.15	1.67	1.35		-0.04
12	1.43	1.10	1.70	1.42	0.94	1.94	1.97	1.36	1.63	1.31		-0.25
13	0.98	1.17	1.69 F	1.60	1.57	1.92	1.96	1.37	1.63	0.88		-0.38
14	1.12	0.85	1.55	1.44	1.33	2.25	1.89	1.67	1.90	0.55		-0.05
15	0.52	0.70	1.46	1.44	1.24	1.63	2.20	1.60	1.00	0.71		0.12
16	0.25	0.63	1.43	1.34	1.30	1.40	2.11	1.44	0.73	0.64 F	-0.15	-0.27
17	0.37	0.57	1.46	1.37	1.93	1.55	1.96	1.60	0.83	0.60		0.05
18	0.45	0.64	1.44	1.46	1.95	1.83	2.17	1.15	1.00	0.36		0.45
19	0.60	0.69	1.35	1.44	2.40	1.95	2.08	0.95	1.34	0.28		0.25
20	0.73	1.15	1.49	1.32	2.04	1.90	2.12	1.13	1.55	0.20		0.05
21	0.57	1.15	1.49	1.34	1.93	2.03	1.76	1.26	1.87	0.55		-0.20
22	0.97	0.85	1.42	1.61	2.10	1.94	1.97	1.77	1.60	0.80		-1.15
23	1.03	0.67	1.55	1.82	1.97	1.99	2.00	1.75	1.37	0.95	F	-1.21
24	1.18	0.85	1.61	1.78	2.06	2.05	1.84	1.70	0.87	0.85	F	-0.30
25	1.20	0.94	1.67	1.90	2.20	1.89	1.65	1.43	1.47			-0.74
26	1.33	1.18	1.87	1.74	2.15	2.20	1.99	1.54	1.40			-0.87
27	1.27	1.55	1.92	1.97	1.40	2.83	1.77	1.55	0.99			-0.71
28	1.38	1.40	2.01	1.82	1.09	3.20	1.80	1.35	1.08			-0.68
29	1.28	-----	2.12	1.52	1.35	2.47	1.85	1.37	0.83			-0.30
30	1.25	-----	1.62	1.77	1.60	2.47	1.88	1.30	0.84			-0.15
31	1.05	-----	1.15	-----	1.69	-----	2.13	1.40	-----	-----	-----	0.14

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.80	0.93	1.53	1.54	1.65	2.09	2.07	1.48	1.33	0.81	-0.15	-0.15
MAX	1.43	1.55	2.12	1.97	2.40	3.20	2.67	3.55	1.90	1.45	-0.15	0.60
MIN	-0.09	0.57	1.15	1.19	0.94	1.40	1.65	0.95	0.73	0.20	-0.15	-1.21
DAYS	31	28	31	30	31	30	31	31	30	24	1	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 329

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.29.

HIGHEST STAGE WAS 3.87 AT 10:00 A.M. ON JUN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.21 ON DEC 23.

DAILY STAGE FOR 1989

BLACK RIVER AT ACME, LA.

LOCATION. LAT. 31-16-02, LONG. 91-09-56. MILE 0.1 (1949). EVA QUADRANGLE. (STA. 0475011.)

GAGE. STAFF ON LEFT BANK.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY VICKSBURG DISTRICT. DRAINAGE AREA, 24,237 SQUARE MILES (VARIABLE DUE TO INTERCHANGING DRAINAGE). BANKFULL STAGE, 48 FEET.

RECORDS AVAILABLE. STAGE, DEC. 9, 1894 TO MAR. 31, 1899, NOV. 9, 1923 TO OCT. 17, 1981, AND JAN. 1, 1982 TO DATE. MEASURED DISCHARGE, 1942 AND 1946.

EXTREMES. HIGHEST, 62.7 FEET ON MAY 14-17, 1927. LOWEST, 2.61 FEET ON JULY 16, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, 0.68 FOOT, NGVD (1929-41 ADJ)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.1	34.3	41.9	39.8	29.4	38.6	40.4	29.2	10.5	14.4	12.9	14.3
2	23.0	34.0	42.1	40.6	28.1	38.0	41.4	28.8	11.7	14.4	12.6	13.9
3	24.9	33.9	42.4	41.3	27.1	37.2	42.2	28.4	11.6	14.4	12.9	13.2
4	26.8	33.2	42.6	41.3	26.1	36.5	43.1	27.7	11.5	14.2	12.5	12.5
5	27.7	32.9	42.8	41.5	25.4	35.9	43.6	27.0	11.6	14.6	12.3	11.8
6	27.9	32.9	42.9	41.5	25.4	35.3	44.0	26.1	12.1	14.2	11.5	11.3
7	28.1	32.9	43.0	41.5	26.6	35.2	44.1	25.2	12.3	14.2	11.0	11.2
8	27.9	32.3	43.1	41.4	28.2	35.4	44.1	24.7	11.8	13.8	9.6	11.2
9	27.8	32.0	43.2	41.2	28.6	35.6	44.2	23.7	11.9	13.6	9.8	11.0
10	27.1	31.8	43.3	40.9	29.2	36.2	44.3	22.7	12.2	13.6	9.6	10.7
11	26.8	31.9	43.4	40.6	30.0	36.9	44.2	22.1	12.4	13.7	9.8	10.8
12	27.4	31.8	43.2	40.4	30.5	37.1	43.9	21.4	12.2	13.6	9.6	9.8
13	29.4	31.5	43.0	40.2	30.9	36.8	43.6	20.3	12.6	13.9	9.6	9.2
14	30.9	31.6	42.9	39.8	30.8	36.4	42.7	20.0	12.7	14.0	9.4	9.5
15	31.9	31.5	42.6	39.3	30.6	36.6	42.2	19.3	12.7	13.5	9.4	9.1
16	32.5	31.4	42.5	38.8	30.6	36.6	41.6	18.4	12.2	13.5	9.0	8.5
17	33.0	31.2	42.2	38.4	31.7	36.5	40.8	18.1	12.3	13.3	8.6	8.0
18	33.9	31.8	42.1	38.3	33.2	36.4	39.7	17.0	12.1	12.4	8.9	8.0
19	34.9	32.4	41.8	38.1	37.2	36.3	39.0	16.4	12.8	11.3	9.0	8.1
20	35.4	33.8	41.6	37.9	38.3	36.5	38.2	15.7	14.0	10.9	9.6	8.6
21	35.9	36.5	41.3	37.6	38.9	36.4	37.8	14.9	14.7	11.1	9.7	8.3
22	35.9	38.5	41.1	37.4	39.6	36.4	37.4	14.3	16.0	10.6	9.7	7.9
23	36.1	39.7	40.9	37.2	40.1	36.3	37.3	13.9	16.1	9.7	9.8	7.4
24	36.2	40.6	40.5	37.1	40.4	36.4	36.8	13.0	16.2	9.5	10.8	7.2
25	36.3	41.2	40.0	36.5	40.5	36.3	35.8	12.3	16.5	8.8	11.2	7.2
26	36.0	41.5	39.5	35.7	40.4	36.1	34.7	11.6	16.0	8.7	12.4	7.4
27	35.8	41.6	39.2	34.7	40.2	36.4	34.1	11.2	15.6	10.2	12.7	7.1
28	35.4	41.9	38.9	33.8	40.1	37.4	33.3	11.5	15.1	10.8	13.9	6.5
29	35.1	-----	38.2	32.7	39.9	39.0	32.4	10.9	14.9	11.7	14.2	5.8
30	34.9	-----	38.8	30.7	39.5	39.6	31.1	11.2	14.9	12.9	14.0	7.3
31	34.6	-----	39.2	-----	39.1	-----	29.7	11.1	-----	12.9	-----	8.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	31.3	34.7	41.6	38.5	33.4	36.7	39.6	19.0	13.3	12.5	10.9	9.4
MAX	36.3	41.9	43.4	41.5	40.5	39.6	44.3	29.2	16.5	14.6	14.2	14.3
MIN	21.1	31.2	38.2	30.7	25.4	35.2	29.7	10.9	10.5	8.7	8.6	5.8
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 26.7.

HIGHEST STAGE WAS 44.3 ON JUL 10.

LOWEST STAGE WAS 5.8 ON DEC 29.

DAILY STAGE FOR 1989

BAYOU MOREAU NEAR ODENBURG, LA.

LOCATION. LAT. 30-55-30, LONG. 91-45-48. ON HIGHWAY 970 BRIDGE, 2.9 MILES EAST OF ODENBURG, LA.
(STA. 4010012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943 TO 1945, 1948. DAILY, OCT. 31, 1950 TO DATE.

EXTREMES. HIGHEST, 38.38 FEET ON MAY 19, 1953. LOWEST, CHANNEL DRY ON JUNE 2, 1951, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31.53	24.75	24.70	25.46	24.03	24.46	34.30	24.99 F	23.65		F 23.30	
2	26.80	24.75	26.00	25.10	24.04	26.61	33.32	25.11				
3	25.78	24.78	27.17	25.08	24.05	29.68	33.27	24.68				
4	25.35	25.10	25.72	24.95	24.14	27.13	31.27	24.53				
5	25.07	24.99	25.33	24.60	24.53	29.80	27.18	24.45		F 23.42		23.55
6	24.98	25.20	25.08	24.50	24.35	33.10	26.52	24.38				
7	24.96	25.48	24.96	24.50	24.25	30.45	26.49	24.28			F 23.40	F 24.20
8	24.90	25.30	24.78	24.45	24.20	32.68	26.20	24.33 F	23.61			29.80
9	25.15	25.03	24.70	24.38	24.19	29.23	25.46	24.27				26.15
10	30.08	24.88	24.65	24.37	24.28	25.95	25.48	24.25				25.11
11	28.28	24.83	24.63	24.30	24.15	28.70	25.79	24.21		F 23.35		24.59
12	26.65	24.73	24.55	24.24	24.11	26.10	25.13	24.20				F 24.32
13	29.00	24.68	24.51	24.22	24.18	25.33	24.95	24.18 F	23.59			
14	29.18	24.65	24.48	24.20	24.19	24.99	25.00				F 23.44	
15	26.63	24.78	24.46	24.20	24.20	31.02	25.99 F	24.02				
16	25.78	25.06	24.50	24.17	24.20	26.48	25.29					
17	25.36	24.70	24.41	24.16	31.47	25.37	28.27					
18	25.12	24.65	24.37	24.07	26.71	25.01	26.90			F 23.31		
19	32.05	24.64	24.30	24.05	35.60	24.82	25.41		F 23.45			F 23.87
20	30.00	24.93	24.25	24.04	35.00	24.69	30.20					
21	27.37	30.38	24.92	24.04	34.13	24.62	26.02				F 23.45	
22	25.97	26.98	28.42	24.03	33.45	25.70	25.16 F	23.90				
23	25.49	25.65	28.53	24.03	30.94	25.29	24.98					
24	25.23	25.16	26.12	24.04	26.23	24.79	26.18					
25	25.10	24.98	25.45	24.02	25.41	24.58	25.08					
26	25.02	24.83	25.05	24.05	25.12	24.48	25.02			F 23.28		F 23.78
27	24.97	24.78	25.10	24.12	24.92	24.52	24.82		F 23.42			
28	24.88	24.80	25.18	24.12	24.82	35.30	24.69 F	23.70			F 23.57	
29	24.80	-----	25.15	24.10	24.63	35.75	24.60					24.55
30	24.79	-----	31.25	24.05	24.75	35.19	24.55					28.75
31	24.75	-----	26.47	-----	24.50	-----	25.27		-----		-----	29.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	26.48	25.20	25.46	24.31	26.28	27.73	26.74	24.34	23.54	23.34	23.43	25.71
MAX	32.05	30.38	31.25	25.46	35.60	35.75	34.30	25.11	23.65	23.42	23.57	29.81
MIN	24.75	24.64	24.25	24.00	24.03	24.46	24.55	23.70	23.42	23.28	23.30	23.55
DAYS	31	28	31	30	31	30	31	16	5	4	5	12

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 254

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 25.77.

HIGHEST STAGE WAS 35.80 AT MIDNIGHT ON JUN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 23.28 ON OCT 26.

DAILY STAGE FOR 1989

UPPER GUIDE LEVEE BORROW PIT ABOVE BAYOU LATENACHE (LA.)

LOCATION. LAT. 30-43-48, LONG. 91-43-53. ABOUT 600 FEET ABOVE JUNCTION WITH BAYOU LATENACHE AND
900 FEET ABOVE DRAINAGE STRUCTURE. (STA. 40880128.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1967 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		17.82	15.80					18.70	14.50		14.00	
2												
3												
4	21.15				14.72					14.20		
5				17.97			21.72					14.40
6												
7						23.47					14.12	
8		17.57	17.45					19.23	14.42			
9												
10					19.52							
11	22.02									14.15		
12				15.90			20.33					19.20
13									14.62			
14						20.60					14.20	
15		15.85	15.52					15.85				
16												
17					21.73							
18	19.87									14.15		
19				15.07			20.93		14.37			16.90
20												
21						19.62					14.30	
22		20.40	17.62					14.90				
23												
24					22.49			14.69				
25	20.00											
26				14.85			21.00			14.02		15.35
27									14.25			
28						27.15		14.58			14.60	
29		-----	19.14									
30		-----										
31		-----		-----	18.70	-----			-----		-----	

DAILY STAGE FOR 1989

BAYOU LATENACHE ABOVE POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-44, LONG. 91-44-00. ON UPSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 40900128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950. DAILY, FEB. 14, 1951 TO DATE.

EXTREMES. HIGHEST, 33.48 FEET (FROM INCOMPLETE RECORD) ON MAY 1, 1973. LOWEST, BELOW LEVEL OF GAGE ON OCT. 4, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1967 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	F 23.20	17.86	15.88	20.40		18.37	25.79	18.79	F 14.47			
2		17.60	15.90	19.40		18.35	24.85	18.86				
3	F 22.13	17.40	21.00	18.80		19.28	24.78	18.54				
4	21.22	17.30	20.04	18.40	F 14.76	19.68	23.60	18.17				
5	20.64	17.21	19.12	18.00	22.14	19.15	21.70	17.82				14.37
6	20.20	17.28	18.43	17.56	22.00	22.80	22.23	17.50				
7	19.82	17.50	17.90	17.23	21.34	23.10	21.47	17.19				15.20
8	19.52	17.59	17.48	16.90	20.71	24.00	21.99	19.30	F 14.40			22.55
9	19.25	17.40	16.98	16.65	20.15	22.80	21.40	18.94				22.00
10	22.20	17.08	16.60	16.39	19.62	21.60	21.30	18.38				20.72
11	21.99	16.75	16.30	16.18	19.17	23.00	20.80	17.80				19.74
12	21.39	16.49	16.05	15.92	18.77	22.30	20.35	17.21				19.17
13	21.40	16.21	15.83	15.80	18.45	21.25	19.90	16.69	F 14.65			18.82
14	23.20	16.00	15.66	15.69	18.10	20.63	19.88	16.23				18.49
15	22.54	15.87	15.58	15.59	17.80	22.73	20.81	15.87				18.25
16	21.37	15.72	15.44	15.47	17.58	22.75	20.43					17.80
17	20.48	15.62	15.40		21.92	21.65	22.00					17.45
18	19.89	15.48	15.40		21.91	21.15	22.20					17.15
19	24.25		15.40	F 15.09	26.20	20.60	20.93		F 14.38			16.90
20	20.65		15.39		25.22	20.09	23.20					16.70
21	23.20	17.40	15.39		24.10	19.63	21.80				14.33	16.50
22	22.18	20.30	17.65		22.85	19.28	21.02	F 14.95				16.23
23	21.25	19.10	22.25		22.95	19.38	20.39	14.80			F	16.00
24	20.55	18.10	21.48		22.50	18.95	22.60	14.70				
25	20.02	17.40	20.62		21.50	18.69	21.78					
26	19.58	16.84	19.85	F 14.76	20.78	18.40	20.82				F	15.30
27	19.27	16.40	19.22		20.23	18.68	20.34		F 14.25			
28	18.97	16.17	18.76		19.78	25.90	19.82	F 14.61			14.57	
29	18.69	-----	18.36		19.40	26.65	19.41					15.50
30	18.40	-----	23.15		19.10	26.38	19.04					23.30
31	18.14	-----	21.97	-----	18.70	-----	18.78	-----			-----	23.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.85	17.08	17.89	16.90	20.63	21.24	21.46	17.18	14.43		14.45	18.25
MAX	24.25	20.30	23.15	20.40	26.20	26.65	25.79	19.30	14.65		14.57	23.45
MIN	18.14	15.48	15.39	14.76	14.76	18.35	18.78	14.61	14.25		14.33	14.37
DAYS	30	26	31	18	27	30	31	19	5	0	2	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 241

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 19.16.

HIGHEST STAGE WAS 26.85 AT 3:30 P.M. ON JUN 28.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-43, LONG. 91-43-59. ON DOWNSTREAM SIDE OF STRUCTURE, 2.4 MILES NORTH OF MELVILLE, LA. (STA. 4350012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 9, 1951 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 38.10 FEET ON MAY 18, 1973. LOWEST, BELOW LEVEL OF GAGE ON MAY 16, 1988 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22.52	17.80	15.74	20.37		18.35	25.68	18.73 F	14.42			
2	22.95	17.58	15.88	19.30		18.33	24.75	18.83				
3	22.08	17.30	20.89	18.73		19.29	24.70	18.52				
4	21.08	17.20	19.98	18.30 F	14.65	19.64	23.48	18.16				
5	20.59	17.12	19.00	17.90	22.00	19.15	22.18	17.81				
6	20.15	17.19	18.40	17.47	21.99	22.55	22.24	17.49				
7	19.77	17.42	17.86	17.12	21.33	23.04	21.38	17.18				15.79
8	19.44	17.50	17.40	16.80	20.70	23.99	21.98	19.23				22.52
9	19.16	17.32	16.94	16.53	20.10	22.83	21.38	18.90				21.92
10	22.18	17.00	16.55	16.24	19.58	21.59	21.28	18.30				20.63
11	21.92	16.68	16.25	16.05	19.10	23.00	20.75	17.75				19.64
12	21.23	16.39	16.00	15.89	18.68	22.38	20.30	17.15				19.12
13	21.24	16.12	15.80	15.77	18.28	21.21	19.89 F	16.70 F	14.57			18.78
14	23.13	15.93	15.57	15.62	17.98	20.59	19.83					18.42
15	22.48	15.80	15.49	15.49	17.60	22.72	20.80	15.79				18.09
16	21.33	15.60	15.30	15.32	17.30	22.75	20.43	15.44				17.70
17	20.43	15.42	15.20 F	15.28	21.40	21.61	21.90	15.20				17.31
18	19.85	15.25	15.17		21.60	21.12	22.20	15.20				17.02
19	24.29	15.11	15.12 F	15.00	25.95	20.58	20.84	15.30				16.85
20	20.67	15.10	15.10		25.01	20.04	22.69	15.34				16.65
21	23.12	17.20	15.10		23.90	19.60	21.88					16.43
22	22.10	20.25	17.45		22.75	19.22	20.96 F	14.85				16.20
23	21.17	18.98	22.07		22.85	19.32	20.31					15.93
24	20.44	17.99	21.36		22.39	18.95	22.58 F	14.62				15.82
25	19.96	17.25	20.50		21.38	18.69	21.69					15.49
26	19.54	16.74	19.70 F	14.80	20.65	18.39	20.95					15.35
27	19.19	16.32	19.10		20.13	18.68	20.28					15.13
28	18.90	16.03	18.60		19.67	25.92	19.76 F	14.50				
29	18.60	-----	18.21		19.29	26.57	19.31				F	15.20
30	18.31	-----	23.10		18.99	26.21	18.98					23.05
31	18.03	-----	21.88	-----	18.68	-----	18.70	-----	-----	-----	-----	23.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.83	16.84	17.76	16.74	20.50	21.21	21.42	16.86	14.50			18.02
MAX	24.29	20.25	23.10	20.37	25.95	26.57	25.68	19.23	14.57			23.40
MIN	18.03	15.10	15.10	14.80	14.65	18.33	18.70	14.50	14.42			15.13
DAYS	31	28	31	19	28	30	31	22	2	0	0	24

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 246

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 19.08.

HIGHEST STAGE WAS 26.75 AT 8:00 P.M. ON JUN 28.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BAYOU LATENACHE BELOW POINTE COUPEE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-43-38, LONG. 91-43-54. ABOUT 300 FEET BELOW DRAINAGE STRUCTURE (FWS).
(STA. 4350512B.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1968 TO DATE.

STAGE IN FEET		GAGE ZERO IS AT NGVD										
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		17.75	15.65					18.67	13.40		12.80	
2												
3												
4	21.00				13.72					12.80		
5				17.88			22.20					13.00
6												
7						23.13					12.88	
8		17.45	17.35					19.17	13.28			
9												
10					19.45							
11	21.85									12.78		
12				15.83			20.25					19.07
13									13.70			
14						20.53					12.93	
15		15.68	15.42					15.75				
16										13.05		
17					21.10							
18	19.74											
19				14.70			20.78		13.15			16.85
20												
21						19.55					13.10	
22		20.18	17.46									
23												
24					22.37			13.83				
25	19.92											
26				13.96			20.88			12.87		15.27
27									12.85			
28						26.55		13.58			13.45	
29		-----	19.02									
30		-----										
31		-----		-----	18.62	-----			-----		-----	

DAILY STAGE FOR 1989
WABPL (FWS) AT BAYOU ROUGE (LA.)

LOCATION. LAT. 30-45-23, LONG. 91-54-35. IN BAYOU ROUGE, 2.8 MILES NORTH OF PALMETTO, LA.
(STA. 4615012A.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 8, 1937 TO 1979, JUNE 14, 1982 TO FEB. 9, 1987. INTERMITTENTLY
JAN. 11, 1988 TO DATE.

EXTREMES. HIGHEST, 29.89 FEET ON MAR. 14, 1988. LOWEST, 12.3 FEET FROM OCT. 14 TO 16, 1950.

STAGE IN FEET					GAGE ZERO IS AT NGVD (1983 ADJ.)							
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					17.00							
2										16.75		
3	23.05	17.70		21.80								
4												16.80
5						22.10	26.77		16.85			
6		17.31	20.33								16.49	
7								16.92				
8					21.05							
9	18.45											
10				17.40			25.50			16.63		
11									16.85			
12						25.00						19.39
13		17.00	17.25								16.60	
14												
15					16.95							
16												
17	21.90			17.00			22.80			16.60		
18									16.81			17.29
19						23.00						
20			17.60								16.63	
21								16.90				
22					23.68							
23	23.40									16.55		
24				17.00			20.75					
25									16.72			
26						17.95						17.20
27		17.85	20.15								16.81	
28								16.89				
29		-----										
30		-----			21.65	-----	17.40		-----	16.15	-----	
31		-----		-----		-----			-----		-----	

DAILY STAGE FOR 1989

BAYOU ROUGE NEAR PALMETTO, LA.

LOCATION . LAT. 30-45-23, LONG. 91-56-05. ON HIGHWAY 360 BRIDGE ABOUT 5 MILES NORTHEAST OF PALMETTO, LA.
(STA. 4615512A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS 1937 TO 1987, REFER TO GAGE WABPL (FWS) AT BAYOU ROUGE (LA.).

RECORDS AVAILABLE. SEP. 30, 1987 TO DATE.

EXTREMES. HIGHEST, 27.40 FEET ON JAN. 28, 1989. LOWEST, 14.02 FEET ON OCT. 30, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23.80	18.18	17.50	23.94	16.15	19.80	26.85	17.20	15.37	14.25	14.02	14.41
2	23.87		17.62	23.15	16.00	19.10	26.60	17.28	15.19	14.26	14.08	14.40
3	23.25		20.38	22.08	15.85	20.20	26.87	17.10	15.03	14.21	14.07	14.36
4	22.30		21.23	21.21	15.69	21.40	26.72	16.80	14.94	14.20	14.05	14.36
5	21.32		21.03	20.33	22.72	21.79	26.75	16.50 F	14.80	14.20	14.04	14.35
6	20.45 F	17.26	20.39	19.40	23.19	23.08	26.55	16.18	14.82	14.19	14.08	14.35
7	19.64	17.36	19.67	18.67	22.32	23.39	26.38	16.02	14.89	14.18	14.20	14.84
8	18.95	17.43	19.04	18.12 E	21.28	25.95	26.24	16.11	14.83	14.15	14.25	20.75
9	18.38	17.39	18.49	17.90	20.12	26.08	25.92	16.07	14.75	14.16	14.25	22.09
10	20.32	17.20	17.99	17.60	19.10	25.74	25.51	16.00	14.68	14.12	14.23	21.70
11	22.05	17.00	17.60	17.30	18.15	25.53	25.00	15.99	14.60	14.14	14.21	20.68
12	22.48	16.88	17.33	17.08	17.39	25.01	24.50	15.85	14.71	14.15	14.21	19.65
13	22.45	16.70	17.14	16.93	16.75	24.54	23.95	15.65	14.79	14.14	14.20	18.67
14	23.64	16.55	17.24	16.75	16.46	23.75	23.49	15.50	14.78	14.12	14.20	17.90
15	23.61	16.45	17.30	16.60	16.08	25.20	22.95	15.32	14.76	14.11	14.20	17.29
16	22.98	16.49	17.06	16.50	16.29	25.24	22.37	15.21	14.70	14.10	14.25	16.75
17	22.09	16.52	16.88	16.46	18.90	24.82	22.82	15.11	14.67	14.16	14.25	16.40
18	21.07	16.54	16.75	16.31		24.07	22.83	15.07	14.62	14.14	14.24	16.15
19	23.13	16.50	16.63	16.19		23.17	22.38	16.06	14.52	14.13	14.23	15.90
20	24.30	16.50	16.62	16.08		22.09	22.12	16.44	14.50	14.12	14.20	15.73
21	24.70	16.92	16.80	16.00		20.95	21.88	16.45	14.45	14.11	14.20	15.59
22	24.37	19.20	18.75	15.92		20.10	21.28	16.58	14.40	14.10	14.21	15.47
23	23.50	19.80	21.73	15.88 F	26.30	19.34	20.68	16.68	14.38	14.10	14.44	15.47
24	27.69	19.29	22.40	15.90	26.13	18.70	20.74	16.66	14.32	14.11	14.46	15.46
25	21.70	18.58	21.94	15.88	25.79	18.27	20.31	16.65	14.31	14.11	14.45	15.47
26	20.89	18.20	21.10	15.92	25.20	18.05	19.90	16.41	14.32	14.11	14.42	15.13
27	20.25	17.84	20.28	15.90	24.50	18.07	19.45	16.07	14.30	14.10	14.47	15.09
28	19.67	17.70	19.67	15.88	23.68	26.65	18.90	15.77	14.29	14.10	14.45	15.00
29	19.18	-----	19.20	16.02	22.68	27.35	18.39	15.51	14.28	14.09	14.43	15.43
30	18.75	-----	22.80	16.00	21.68	27.18	17.81	15.43	14.27	14.10	14.42	20.65
31	18.50	-----	23.95	-----	20.70	-----	17.31	15.45	-----	14.03	-----	22.63

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.75	17.44	19.11	17.60	20.35	22.82	23.01	16.10	14.64	14.14	14.25	16.84
MAX	24.70	19.80	23.95	23.94	26.30	27.35	26.87	17.28	15.37	14.26	14.47	22.63
MIN	18.38	16.45	16.62	15.88	15.69	18.05	17.31	15.07	14.27	14.03	14.02	14.35
DAYS	31	24	31	30	26	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 18.16.

HIGHEST STAGE WAS 27.40 AT 4:00 P.M. ON JUN 28.

LOWEST STAGE WAS 14.02 ON OCT 30 AND LATER DATE(S).

DAILY STAGE FOR 1989

BIG DARBONNE BAYOU (FWS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-53. NORTH OF U. S. HIGHWAY, ON EAST SIDE OF DARBONNE BAYOU CONTROL STRUCTURE. (STA. 4630012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. (FROM INCOMPLETE RECORD) HIGHEST, 25.9 FEET ON MAY 3, 1945. LOWEST, 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.55 G	16.40 G	15.50	17.80 G	15.45	17.30	18.30 G	16.55 G	14.70 G	14.00 G	13.20 G	14.20
2	17.60 G	16.40 G	15.50	17.85 G	15.35	17.20	18.50 G	16.45 G	14.60 G	13.90 G	13.20 G	14.00
3	17.60 G	16.00 G	15.60	17.85 G	15.10	17.20	18.60 G	16.15 G	14.50 G	13.80 G	13.30 G	13.90
4	17.45 G	15.90 G	16.30	17.90 G	15.00	17.20	18.75 G	16.15 G	14.40 G	13.70 G	13.20 G	14.10
5	17.30 G	15.85 G	16.40	17.80 G	16.40	17.20	18.90 G	16.00 G	14.40 G	13.80 G	13.20 G	13.90
6	17.10 G	15.70 G	16.45	17.70	16.95	17.40	18.90 G	15.70 G	14.40 G	13.70 G	13.10 G	13.70
7	16.65 G	15.60 G	16.40 G	17.50 G	16.75	17.40	19.00 G	15.40 G	14.40 G	13.60 G	13.20 G	14.10
8	16.65 G	15.50 G	16.45 G	17.30 G	16.60	17.50	18.95 G	15.35 G	14.45 G	13.60 G	13.30 G	16.30
9	16.45 G	15.40 G	16.50 G	17.20 G	16.30	17.50	18.95 G	15.45 G	14.45 G	13.60 G	13.30	16.80
10	16.40 G	15.30 G	16.60 G	17.10 G	16.10	17.40	18.95 G	15.45 G	14.35 G	13.50 G	13.20	16.70
11	17.00 G	15.20 G	16.70 G	17.00 G	15.95	17.40	18.90 G	15.45 G	14.25 G	13.40 G	13.30	16.50
12	17.20 G	15.15 G	16.80 G	16.90 G	15.70	17.40	18.90 G	15.35 G	14.30 G	13.30 G	13.10 G	16.30
13	17.20 G	15.15 G	16.80 G	16.80 G	15.50	17.40	18.80 G	15.25 G	15.00 G	13.20 G	13.20 G	16.20
14	17.30 G	15.10 G	16.90 G	16.70 G	15.30	17.40	18.80 G	15.00 G	15.00 G	13.20 G	13.10 G	15.90
15	17.40 G	15.00 G	16.95 G	16.60 G	15.20	17.90	18.70 G	14.90 G	15.00 G	13.30 G	13.30 G	15.80
16	17.40 G	14.95 G	16.95 G	16.50 G	15.05	17.90	18.60 G	14.85 G	14.80 G	13.30 G	13.30 G	15.60
17	17.30 G	14.90 G	17.00 G	16.50 G	14.95	17.90	18.60 G	14.70 G	14.60 G	13.40 G	13.20 G	15.40
18	17.20 G	14.90 G	17.00 G	16.45 G	15.50	17.80	18.50 G	14.70 G	14.50 G	13.10 G	13.30 G	15.30
19	17.40 G	14.85 G	17.00 G	16.35	17.20	17.80	18.40 G	14.75 G	14.40 G	13.20 G	13.20 G	15.30
20	17.60 G	14.80 G	17.00 G	16.35	17.70	17.60	18.60 G	14.80 G	14.40 G	13.20 G	13.10 G	15.20
21	17.60 G	14.80 G	17.00 G	16.30	17.80	17.40	18.60 G	14.80 G	14.30 G	13.30 G	13.30 G	15.20
22	17.60 G	15.00 G	17.20 G	16.25	17.90 G	17.20	18.40 G	14.80 G	14.30 G	13.30 G	13.20 G	15.10
23	17.60 G	15.40 G	17.60 G	16.20	17.90 G	17.00	18.30 G	14.90 G	14.20 G	13.50 G	13.50 G	14.80
24	17.40 G	15.65 G	17.65 G	16.20	17.85 G	16.75	18.20 G	14.90 G	14.10 G	13.50 G	13.30 G	14.70
25	17.40 G	15.60	17.80 G	16.10	17.80 G	16.55	18.10 G	14.95 G	14.05 G	13.50 G	13.20 G	14.60
26	17.25 G	15.55	17.80 G	16.00	17.80 G	16.40	17.90 G	14.85 G	14.05 G	13.50 G	13.40 G	14.70
27	17.05 G	15.50	17.80 G	16.00	17.70 G	16.25	17.80 G	14.80 G	14.00 G	13.50 G	13.30 G	14.60
28	16.80 G	15.50	17.70 G	15.90	17.70	16.95	17.70 G	14.80 G	14.00 G	13.40 G	14.20 G	14.50
29	16.70	-----	17.80 G	15.75	17.55	17.90 G	17.20 G	14.80 G	14.00 G	13.40 G	14.20 G	14.70
30	16.60	-----	17.90 G	15.55	17.55	18.00 G	16.90 G	14.75 G	14.00 G	13.30 G	14.10 G	16.20
31	16.50	-----	17.95	-----	17.50	-----	16.80 G	14.70	-----	13.30	-----	16.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.17	15.39	16.94	16.75	16.55	17.34	18.40	15.21	14.40	13.46	13.33	15.19
MAX	17.60	16.40	17.95	17.90	17.90	18.00	19.00	16.55	15.00	14.00	14.20	16.80
MIN	16.40	14.80	15.50	15.55	14.95	16.25	16.80	14.70	14.00	13.10	13.10	13.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 15.85.

HIGHEST STAGE WAS 19.00 ON JUL 7.

LOWEST STAGE WAS 13.10 ON OCT 18 AND LATER DATE(S).

DAILY STAGE FOR 1989

WABPL BORROW PIT (FWS) NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-32-07, LONG. 91-51-23. ON RIGHT BANK 1000 FEET NORTH OF BAYOU COURTABLEAU
DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4637512E.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS BAYOU COURTABLEAU CROSSING, FWS.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1950, 1953, AND 1956 TO 1957. DAILY, MAY 1968
TO DATE. DISCHARGE, 1932 TO 1934.

EXTREMES. HIGHEST, 26.0 FEET ON APR. 28, 1945. LOWEST, 10.6 FEET ON OCT. 15 AND LATER DATES IN
1972.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.30	16.40	15.50	17.90	15.45	17.30	17.80	16.50	14.60	14.00	13.20	14.20
2	17.30	16.40	15.60	17.90	15.35	17.20	18.05	16.40	14.50	13.90	13.20	14.00
3	17.30	16.00	15.70	17.90	15.10	17.10	18.20	16.40	14.40	13.80	13.30	13.90
4	17.25	15.90	16.30	17.85	15.00	17.10	18.40	16.20	14.30	13.80	13.20	14.10
5	17.10	15.80	16.40	17.80	16.20	17.10	18.65	16.00	14.30	13.80	13.20	13.90
6	16.95	15.70	16.45	17.70	16.70	17.30	18.65	15.70	14.30	13.70	13.10	13.70
7	16.60	15.60	16.40	17.50	16.50	17.30	18.75	15.40	14.30	13.60	13.20	14.10
8	16.50	15.50	16.45	17.30	16.40	17.30	18.75	15.35	14.35	13.60	13.30	16.30
9	16.35	15.40	16.50	17.20	16.30	17.40	18.70	15.45	14.25	13.50	13.30	16.80
10	16.35	15.30	16.60	17.10	16.10	17.40	18.70	15.45	14.15	13.40	13.20	16.70
11	16.95	15.20	16.70	17.00	15.95	17.40	18.70	15.45	14.15	13.30	13.30	16.50
12	17.00	15.15	16.80	16.90	15.70	17.40	18.70	15.20	14.30	13.30	13.10	16.30
13	17.05	15.15	16.80	16.80	15.45	17.40	18.60	14.90	15.00	13.20	13.20	16.20
14	17.10	15.10	16.90	16.70	15.20	17.40	18.65	14.70	15.00	13.20	13.10	15.90
15	17.20	15.00	16.95	16.60	15.15	17.60	18.60	14.70	15.00	13.30	13.30	15.80
16	17.20	14.95	17.00	16.50	15.00	17.70	18.55	14.70	14.80	13.30	13.30	15.60
17	17.10	14.90	17.00	16.50	14.90	17.60	18.50	14.70	14.60	13.40	13.20	15.40
18	17.00	14.90	17.00	16.45	15.50	17.60	18.40	14.70	14.50	13.10	13.30	15.30
19	17.30	14.85	17.00	16.35	16.95	17.50	18.30	14.75	14.40	13.20	13.20	15.30
20	17.40	14.80	17.00	16.35	17.30	17.45	18.50	14.80	14.40	13.20	13.10	15.20
21	17.50	14.80	17.00	16.30	17.40	17.25	18.50	14.80	14.30	13.30	13.30	15.20
22	17.55	15.00	17.20	16.25	17.50	17.10	18.40	14.80	14.30	13.30	13.20	15.10
23	17.60	15.35	17.50	16.20	17.50	16.90	18.20	14.90	14.20	13.50	13.50	14.80
24	17.40	15.60	17.65	16.20	17.50	16.70	18.10	14.90	14.10	13.50	13.30	14.70
25	17.25	15.55	17.80	16.10	17.50	16.50	18.00	14.95	14.05	13.50	13.20	14.60
26	17.10	15.50	17.75	16.00	17.45	16.35	17.90	14.85	14.05	13.50	13.40	14.70
27	17.00	15.50	17.75	16.00	17.40	16.20	17.80	14.80	14.00	13.50	13.30	14.60
28	16.80	15.50	17.75	15.90	17.40	16.90	17.50	14.75	14.00	13.30	14.20	14.50
29	16.70	-----	17.75	15.75	17.35	17.50	17.10	14.75	14.00	13.30	14.20	14.70
30	16.60	-----	17.90	15.55	17.35	17.70	16.90	14.70	14.00	13.30	14.10	16.20
31	16.50	-----	17.90	-----	17.40	-----	16.70	14.60	-----	13.20	-----	16.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.04	15.39	16.94	16.75	16.39	17.22	18.23	15.17	14.35	13.45	13.33	15.19
MAX	17.60	16.40	17.90	17.90	17.50	17.70	18.75	16.50	15.00	14.00	14.20	16.80
MIN	16.35	14.80	15.50	15.55	14.90	16.20	16.70	14.60	14.00	13.10	13.10	13.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 15.79.

HIGHEST STAGE WAS 18.75 ON JUL 7 AND LATER DATE(S).

LOWEST STAGE WAS 13.10 ON OCT 18 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU COURTABLEAU OUTLET CHANNEL NEAR NORTHEAST WING WALL (LA.)

LOCATION. LAT. 30-32-02, LONG. 91-51-20. ON NORTHEAST WINGWALL OF DRAINAGE STRUCTURE,
1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4660012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 22.99 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.43 FEET ON OCT. 6 AND 7, 1980.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.65	16.27	15.45	17.85	15.22	17.23	17.78		12.38	11.80	11.00	11.58
2	16.65	15.99	15.50	17.80	14.99	17.20	17.84		12.24	11.69	11.02	11.58
3	16.60	15.79	15.55	17.77	14.78	17.20	18.09		12.17	11.48	10.99	11.57
4	16.51	15.85	16.44	17.72	14.58	17.18	18.24		12.10	11.37	10.97	11.57
5	16.70	15.62	16.43	17.67	15.90	17.20	18.37		12.03	11.30	10.94	11.50
6	16.45	15.31	16.43	17.57	16.40	17.25	18.40		12.04	11.26	10.94	11.43
7	15.75	15.10	16.20	17.38	15.24	17.23	18.40 F	14.71	12.03	11.25	11.06	12.00
8	15.82	14.92	16.30	17.26	15.11	17.22	18.43		12.00	11.25	11.10	15.90
9	15.78	14.79	16.35	17.12	15.11	17.22	18.46 F	14.51	11.99	11.25	11.14	16.80
10	15.82	14.61	16.50	17.08	14.99	17.35	18.48	14.36	12.05	11.25	11.09	16.42
11	16.88	14.48	16.60	16.93	14.82	17.30	18.45	14.07	12.08	11.22	11.04	16.02
12	16.85	14.31	16.68	16.78	14.60	17.30	18.40	13.92	12.33	11.20	11.01	15.49
13	16.82	14.20	16.75	16.66	14.33	17.26	18.36	13.73	12.59	11.18	11.02	15.26
14	16.93	14.07	16.80	16.59	14.09	17.15	18.38	13.51	12.66	11.15	11.02	14.78
15	16.93	13.93	16.88	16.51	13.84	17.59	18.43	13.32	12.72	11.07	11.18	14.53
16	16.92	13.76	16.88	16.48	13.60	17.50	18.37	13.17	12.58	11.13	11.22	14.30
17	16.85	13.60	16.90	16.41	13.40	17.53	18.30	13.01	12.41	11.23	11.20	14.09
18	16.78	13.45	16.92	16.37	16.30	17.48	18.24	12.90	12.28	11.11	11.20	13.92
19	17.15	13.33	16.92	16.32	16.77	17.35	18.16	12.80	12.20	11.07	11.20	13.78
20	17.22	13.25	16.95	16.28	17.33	17.25	18.30	12.75	12.12	11.06	11.20	13.57
21	17.22	13.20	16.86	16.25	17.30	17.00	18.20	12.75	12.07	11.07	11.20	13.35
22	17.20	13.80	17.05	16.20	17.40	16.65	18.08	12.80	12.03	11.09	11.20	13.19
23	17.10	15.65	17.49	16.18	17.05	16.59	17.95	12.84	11.97	11.10	11.30	12.98
24	17.04	15.70	17.55	16.14	17.36	16.42	17.95	12.83	11.90	11.11	11.44	12.80
25	16.93	15.50	17.58	16.10	17.30	16.27	17.80	12.80	11.90	11.12	11.48	12.34
26	16.80	15.50	17.57	16.00	17.26	16.03 F	17.60	12.80	11.89	11.12	11.47	12.10
27	16.69	15.50	17.57	15.90	17.22	15.90 F	17.52	12.76	11.88	11.11	11.49	11.97
28	16.45	15.41	17.72	15.78	17.30	16.20	17.30	12.67	11.85	11.10	11.53	11.94
29	16.40	-----	17.70	15.62	17.29	17.62	16.92	12.72	11.82	11.08	11.58	12.25
30	16.30	-----	17.84	15.45	17.27	17.68	16.68	12.59	11.81	11.05	11.58	13.92
31	16.30	-----	17.88	-----	16.75	-----	16.40	12.46	-----	11.06	-----	16.64

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.66	14.75	16.85	16.67	15.84	17.08	18.01	13.20	12.14	11.20	11.19	13.53
MAX	17.22	16.27	17.88	17.85	17.40	17.68	18.46	14.71	12.72	11.80	11.58	16.80
MIN	15.75	13.20	15.45	15.45	13.40	15.90	16.40	12.46	11.81	11.05	10.94	11.43
DAYS	31	28	31	30	31	30	31	24	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 14.80.

HIGHEST STAGE WAS 18.49 AT 9:00 A.M. ON JUL 10.

LOWEST STAGE WAS 10.94 ON NOV 5 AND LATER DATE(S).

DAILY STAGE FOR 1989

75

BAYOU COURTABLEAU OUTLET CHANNEL NEAR SOUTHEAST WING WALL (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-20. ON SOUTHEAST WINGWALL OF DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 4675012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 17, 1957 TO DATE.

EXTREMES. HIGHEST, 22.95 FEET ON MAY 26 AND 27, 1973. LOWEST, 8.70 FEET ON SEP. 24 AND LATER DATES IN 1980.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.00	16.25	15.45	17.85	15.30	17.10	17.80	16.20	12.60	11.90	11.20	11.40
2	17.00	16.00	15.50	17.80	15.10	17.10	18.00	16.10	12.50	11.90	11.20	11.40
3	17.00	15.80	15.60	17.75	14.90	17.10	18.10	15.30	12.35	11.50	11.30	11.30
4	16.80	15.70	16.50	17.80	14.70	17.10	18.25	15.30	12.15	11.50	11.20	11.40
5	16.80	15.60	16.50	17.70	15.10	17.05	18.45	15.00	12.00	11.30	11.20	11.40
6	16.55	15.30	16.50	17.60	16.50	17.35	18.45	14.95	12.00	11.30	11.10	11.30
7	15.85	15.10	16.30	17.50	15.35	17.25	18.50	14.70	12.10	11.40	11.20	11.70
8	16.95	14.90	16.40	17.20	15.20	17.30	18.50	14.65	12.15	11.40	11.30	16.00
9	15.85	14.70	16.50	17.10	15.15	17.30	18.50	14.65	12.15	11.60	11.30	16.80
10	16.00	14.50	16.60	17.10	15.00	17.30	18.50	14.70	12.10	11.40	11.20	16.30
11	17.00	14.40	16.70	17.00	14.90	17.30	18.45	14.70	12.05	11.40	11.30	16.00
12	17.00	14.30	16.80	16.80	14.60	17.30	18.45	14.20	12.30	11.40	11.10	15.60
13	17.00	14.20	16.80	16.70	14.50	17.20	18.35	14.00	12.60	11.30	11.20	15.30
14	17.00	14.10	16.85	16.60	14.20	17.20	18.45	13.50	12.75	11.30	11.10	15.00
15	17.05	13.95	16.90	16.55	13.90	17.50	18.40	13.40	12.75	11.20	11.30	15.00
16	17.00	13.90	16.90	16.50	13.70	17.55	18.30	13.35	12.55	11.20	11.30	14.30
17	16.95	13.60	17.00	16.50	13.50	17.50	18.30	13.20	12.45	11.30	11.20	14.10
18	16.80	13.40	17.00	16.40	16.30	17.45	18.30	13.15	12.30	11.30	11.30	14.00
19	17.20	13.30	17.00	16.35	16.80	17.35	18.20	13.00	12.20	11.30	11.20	13.80
20	17.30	13.30	17.00	16.30	17.40	17.30	18.25	12.90	12.20	11.30	11.10	13.50
21	17.25	13.25	17.00	16.30	17.50	17.00	18.25	12.80	12.10	11.40	11.30	13.40
22	17.25	13.35	17.15	16.25	17.50	16.90	18.15	12.80	12.10	11.40	11.20	13.20
23	17.20	15.60	17.60	16.20	17.25	16.55	18.00	12.80	12.00	11.40	11.50	12.90
24	17.10	15.70	17.65	16.15	17.30	16.40	17.95	12.80	12.00	11.40	11.40	12.80
25	17.00	15.60	17.80	16.10	17.20	16.20	17.85	12.80	11.90	11.50	11.20	12.70
26	16.85	15.50	17.75	16.00	17.20	16.10	17.70	12.75	11.90	11.50	11.10	12.20
27	16.70	15.45	17.70	15.95	17.20	15.90	17.60	12.70	11.90	11.50	11.20	12.10
28	16.45	15.45	17.70	15.85	17.20	16.20	17.40	12.70	11.85	11.40	11.50	12.00
29	16.40	-----	17.70	15.65	17.20	17.50	17.00	12.70	11.85	11.40	11.50	12.20
30	16.35	-----	17.90	15.45	17.20	17.70	16.80	12.70	11.90	11.30	11.40	14.00
31	16.35	-----	17.90	-----	17.10	-----	16.50	12.60	-----	11.30	-----	16.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.81	14.72	16.92	16.70	15.87	17.07	18.05	13.78	12.19	11.41	11.25	13.54
MAX	17.30	16.25	17.90	17.85	17.50	17.70	18.50	16.20	12.75	11.90	11.50	16.80
MIN	15.85	13.25	15.45	15.45	13.50	15.90	16.50	12.60	11.85	11.20	11.10	11.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 14.87.

HIGHEST STAGE WAS 18.50 ON JUL 7 AND LATER DATE(S).

LOWEST STAGE WAS 11.10 ON NOV 6 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU COURTABLEAU OUTLET CHANNEL AT STATION 225+00 (LA.) (EAST AUTO.)

LOCATION. LAT. 30-28-30, LONG. 91-50-20. ON TOWER, 5.5 MILES SOUTHEAST OF COURTABLEAU, LA.
(STA. 4907512E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 9, 1959 TO DATE.

EXTREMES. HIGHEST, 23.19 FEET ON MAY 26 AND 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.20 FEET
ON AUG. 11 AND 12, 1980.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.85	16.35	15.57	17.96	15.45	17.14	17.72	16.37	12.53	11.96	11.20	
2	16.85	16.07	15.63	17.93	15.25	17.14	17.83	16.15	12.42	11.82	11.18	
3	16.79	15.88	15.69	17.88	15.05	17.15	18.09	15.85	12.34	11.67	11.15	
4	16.69	15.96	16.47	17.86	14.82	17.15		15.58	12.32	11.54	11.16	
5	16.76	15.74	16.54	17.82	16.10	17.13		15.36	12.23	11.47	11.33	
6	16.54	15.44	16.57	17.72	16.53	17.28		15.14	12.22	11.45	11.40	
7	15.91 E	15.24	16.44	17.60	15.47	17.30		14.92	12.21	11.44	11.33	
8	16.02	15.10	16.53	17.43	15.34	17.33		14.92	12.18	11.45	11.29	
9	15.94	14.95	16.62	17.34	15.26	17.36		14.73	12.17	11.45	11.25	
10	16.50	14.79	16.69	17.23	15.15	17.34	18.57	14.52	12.22	11.44	11.25	
11	16.92	14.66	16.80	17.13	15.01	17.29	18.54	14.32	12.23	11.43		
12	16.92	14.48	16.86	16.95	14.78	17.29	18.51	14.11	12.51	11.40		
13	16.90	14.35	16.93	16.85	14.52	17.26	18.48	13.92	12.75	11.38		
14	17.00	14.20	16.99	16.76	14.26	17.18	18.57	13.70	12.92	11.36		F 14.83
15	17.01	14.09	17.04	16.72	14.03	17.53	18.57	13.54	12.90	11.34	11.40	14.67
16	16.93	13.94	17.07	16.65	13.80	17.54	18.52	13.37	12.76	11.34	11.47 F	14.52
17	16.90	13.79	17.10	16.60	13.63	17.53	18.45	13.23	12.61	11.44	11.46	
18	16.79	13.58	17.11	16.54	16.30	17.46	18.39	13.13	12.47	11.32	11.44	
19	17.10	13.46	17.12	16.50	16.74	17.39	18.29	13.04	12.36	11.30		
20	17.20	13.36	17.13	16.45	17.19	17.31	18.46	12.97	12.27	11.32		
21	17.25	13.37	17.13	16.42	17.23	17.08	18.37	12.95	12.22	11.33		
22	17.22	13.80	17.30	16.38	17.31	16.88	18.24	12.96	12.19	11.34		
23	17.17	15.70	17.65	16.35	17.27	16.70	18.13	12.99	12.14	11.37		
24	17.13	15.75	17.77	16.31	17.20	16.54	18.07	12.97	12.09	11.38		
25	17.05	15.58	17.82	16.26	17.18	16.38	17.94	12.95	12.07	11.37		
26	16.94	15.57	17.84	16.18	17.16	16.19	17.82	12.95	12.07	11.35		
27	16.84	15.57	17.83	16.08	17.15	16.04	17.67	12.91	12.05	11.33		
28	16.64	15.58	17.84	15.97	17.15	16.37	17.47	12.80	12.02	11.28		
29	16.56	-----	17.83	15.84	17.15	17.47	17.14	12.87	12.00	11.27		
30	16.49	-----	17.95	15.66	17.15	17.60	16.90	12.74	12.00	11.21		
31	16.46	-----	17.97	-----	16.98	-----	16.66	12.62	-----	11.24	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.78	14.87	17.03	16.85	15.92	17.11	18.06	13.89	12.32	11.41	11.31	14.67
MAX	17.25	16.35	17.97	17.96	17.31	17.60	18.57	16.37	12.92	11.96	11.47	14.83
MIN	15.91	13.36	15.57	15.66	13.63	16.04	16.66	12.62	12.00	11.21	11.15	14.52
DAYS	31	28	31	30	31	30	25	31	30	31	14	3

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 315

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.19.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 18.57 AT 1:00 A.M. ON JUL 10 AND LATER DATE(S).

LOWEST STAGE WAS 11.15 ON NOV 3.

DAILY STAGE FOR 1989

WABPL (FWS) AT CLEON, LA.

LOCATION. LAT. 30-19-42, LONG. 91-47-15. ON TEXAS OIL CO. WHARF, 300 FEET NORTH OF INTERSTATE 10 OVERPASS. (STA. 4912012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, DEC. 5, 1934 TO OCT. 12, 1935, 1937 TO 1938, AND MAR. 22, 1957 TO DATE. INTERMITTENTLY, 1940 TO 1945.

EXTREMES. HIGHEST, 25.6 FEET FROM APR. 23 TO MAY 3, 1945. LOWEST, (FROM INCOMPLETE RECORD) 4.01 FEET ON NOV. 24, 1967.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.85	16.05	14.76	17.64	15.35	16.30	17.00	16.20	7.96	8.76	7.77	9.21
2	12.13	15.90	15.14	17.60	15.10	16.39	17.16	15.95	8.03	8.80	7.87	9.21
3	12.35	15.70	15.35	17.57	14.85	16.48	17.52	15.67	8.09	8.81	7.90	9.22
4	12.60	15.56	15.64	17.55	14.60	16.50	17.79	15.40	8.12	8.85	7.92	9.20
5	12.80	15.39	15.95	17.55	14.60	16.47	18.02	15.13	8.17	8.86	7.94	9.18
6	13.07	15.22	16.23	17.46	14.52	16.65	18.12	14.85	8.24	8.74	7.95	9.20
7	13.20	14.95	16.37	17.39	14.45	16.64	18.20	14.57	8.33	8.75	8.07	9.45
8	13.25	14.71	16.45	17.25	14.27	16.69	18.24	14.51	8.36	8.75	8.40	9.89
9	13.25	14.49	16.54	17.17	14.07	16.68	18.25	14.25	8.40	8.80	8.45	10.04
10	13.30	14.28	16.61	17.09	13.88	16.67	18.27	13.97	8.42	8.74	8.45	10.40
11	13.34	14.06	16.69	16.99	13.69	16.64	18.22	13.69	8.44	8.73	8.47	10.90
12	13.53	13.86	16.75	16.85	13.48	16.63	18.20	13.42	8.50	8.74	8.47	11.27
13	13.78	13.67	16.82	16.75	13.26	16.63	18.15	13.15	8.55	8.73	8.47	11.40
14	13.97	13.50	16.87	16.65	13.09	16.60	18.20	12.89	8.60	8.63	8.48	11.30
15	14.16	13.34	16.92	16.62	12.91	16.85	18.19	12.64	8.56	8.65	8.67	11.12
16	14.36	13.18	16.97	16.57	12.74	16.87	18.14	12.37	8.59	8.65	8.84	10.90
17	14.54	13.03	16.99	16.50	12.60	16.89	18.08	12.16	8.62	8.94	8.87	10.64
18	14.67	12.88	17.00	16.44	12.52	16.89	18.01	11.84	8.64	8.95	8.90	10.37
19	15.07	12.76	17.02	16.40	13.21	16.86	17.92	11.59	8.66	8.93	8.92	10.11
20	15.33	12.70	17.01	16.38	13.62	16.83	18.15	11.36	8.67	8.93	8.93	9.80
21	15.56	12.77	17.03	16.34	14.09	16.74	18.05	11.01	8.67	8.81	8.95	9.47
22	15.76	12.88	17.17	16.29	14.65	16.70	17.90	10.75	8.69	8.82	8.98	9.14
23	15.95	13.07	17.35	16.24	15.02	16.52	17.78	10.47	8.69	8.82	9.12	9.22
24	16.10	13.35	17.48	16.21	15.28	16.37	17.73	10.22	8.54	8.77	9.16	9.27
25	16.25	13.65	17.57	16.15	15.52	16.22	17.59	9.95	8.55	8.59	9.17	9.32
26	16.35	13.94	17.62	16.09	15.72	16.10	17.45	9.65	8.58	8.60	9.18	9.32
27	16.40	14.22	17.62	15.97	15.89	15.95	17.30	9.35	8.61	8.60	9.20	9.33
28	16.36	14.50	17.60	15.90	16.02	16.29	17.15	9.02	8.66	8.60	9.25	9.33
29	16.29	-----	17.57	15.74	16.13	16.57	16.93	8.70	8.70	8.16	9.26	9.48
30	16.24	-----	17.64	15.57	16.22	16.78	16.69	8.35	8.74	7.75	9.25	9.77
31	16.17	-----	17.64	-----	16.26	-----	16.44	8.15	-----	7.79	-----	9.92

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	14.45	14.06	16.79	16.70	14.44	16.58	17.77	12.30	8.48	8.68	8.64	9.88
MAX	16.40	16.05	17.64	17.64	16.26	16.89	18.27	16.20	8.74	8.95	9.26	11.40
MIN	11.85	12.70	14.76	15.57	12.52	15.95	16.44	8.15	7.96	7.75	7.77	9.14
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 13.23.

HIGHEST STAGE WAS 18.27 AT 7:40 A.M. ON JUL 10.

LOWEST STAGE WAS 7.70 ON OCT 30.

DAILY STAGE FOR 1989

WABPL BORROW PIT (FWS) AT OPELOUSAS BAY (LA.)

LOCATION. LAT. 30-16-54, LONG. 91-44-11. ON PONTOON BRIDGE, 4.7 MILES SOUTH OF HENDERSON LANDING, LA. (STA. 49135120.)

GAGE. WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1938, 1945, 1946, 1949, 1950, 1961 AND 1969. DAILY, OCT. TO DEC. 1967, AND SEP. 1969 TO DATE.

EXTREMES. HIGHEST, 23.60 FEET ON MAY 26, 1973. LOWEST, 3.90 FEET ON SEP. 26 AND 27, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.23	15.54	14.64	15.95	14.61	15.56	16.78	14.98	7.51	7.84	7.56	8.80
2	11.45	15.31	14.88	15.96	14.43	15.59	16.70	14.64	7.68	7.84	7.55	8.81
3	11.63	15.63	15.12	16.04	14.15	15.62	16.84	14.37	7.80	7.84	7.55	8.83
4	11.89	14.84	15.42	16.12	13.81	15.67	16.78	14.13	7.80	7.84	7.54	8.90
5	12.16	14.65	15.61	16.21	13.54	15.71	16.67	13.84	7.81	7.84	7.68	8.93
6	12.42	14.47	15.80	16.29	13.38	15.79	17.29	13.60	7.80	7.86	7.60	9.02
7	12.78	14.26	15.93	16.34	13.30	15.85	17.42	13.42	7.80	7.86	7.61	9.15
8	12.80	14.07	16.01	16.48	13.12	15.91	17.68	13.28	7.80	7.86	7.63	9.23
9	12.92	13.12	16.13	16.45	12.94	15.97	16.70	13.10	7.82	7.85	7.64	9.34
10	13.01	13.28	16.27	16.45	12.82	16.02	16.74	12.28	7.82	7.83	7.66	9.09
11	13.09	13.45	16.38	16.41	12.63	16.03	16.86	12.81	7.82	7.81	7.66	9.38
12	13.22	13.33	15.61	16.35	12.51	15.95	16.98	12.54	7.82	7.80	7.67	9.36
13	13.30	13.01	15.80	16.29	12.40	15.91	17.06	12.28	7.81	7.79	7.70	9.39
14		12.82	15.93	16.23	12.30	15.86	17.18	11.89	7.81	7.77	7.71	9.40
15	13.70	12.68	16.01	16.20	12.20	15.93	17.40	11.66	7.82	7.75	7.82	9.49
16	13.70	12.54	16.20	16.11	12.08	15.98	16.92	11.38	7.82	7.72	7.94	9.60
17	14.02	12.48	16.38	16.05	12.00	16.04	16.90	11.19	7.82	7.72	8.13	9.51
18	14.35	12.40	16.43	16.01	11.95	15.90	17.04	10.98	7.81	7.71	8.32	9.36
19	14.68	12.38	16.48	15.96	12.50	15.90	17.21	10.69	7.81	7.70	8.35	9.20
20	14.85	12.42	16.54	15.92	13.18	15.89	17.38	10.59	7.80	7.70	8.41	9.02
21	15.02	12.68	16.59	15.88	13.62	15.93	17.43	10.32	7.80	7.70	8.43	8.81
22	15.13	12.88	16.65	15.86	13.91	15.94	17.50	10.25	7.80	7.70	8.49	8.81
23	15.27	13.06	16.71	15.84	14.25	15.98	16.21	10.16	7.80	7.69	8.52	8.81
24	15.34	13.27	16.76	15.80	14.67	16.07	16.10	9.87	7.82	7.68	8.59	8.82
25	15.41	13.55	16.82	15.64	14.89	16.08	15.97	9.69	7.81	7.67	8.68	8.84
26	15.52	13.71	15.84	15.41	15.02	16.17	15.83	9.47	7.88	7.65	8.67	8.90
27	15.63	13.93	15.86	15.22	15.15	16.30	15.71	8.21	7.80	7.64	8.68	8.93
28	15.75	14.31	15.87	15.06	15.30	16.48	15.65	8.04	7.80	7.64	8.72	8.96
29	15.78	-----	15.90	14.89	15.36	16.59	15.58	7.93	7.85	7.62	8.75	9.13
30	15.81	-----	15.91	14.75	15.47	16.68	15.41	7.80	7.91	7.60	8.77	9.30
31	15.72	-----	15.93	-----	15.50	-----	15.27	7.63	-----	7.57	-----	9.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.92	13.57	16.01	15.94	13.64	15.98	16.68	11.39	7.80	7.74	8.07	9.12
MAX	15.81	15.63	16.82	16.48	15.50	16.68	17.68	14.98	7.91	7.86	8.77	9.60
MIN	11.23	12.38	14.64	14.75	11.95	15.56	15.27	7.63	7.51	7.57	7.54	8.80
DAYS	30	28	31	30	31	30	31	31	30	31	30	71

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 12.48.

HIGHEST STAGE WAS 17.68 ON JUL 8.

LOWEST STAGE WAS 7.51 ON SEP 1.

DAILY STAGE FOR 1989

WABPL BORROW PIT (FWS) AT BAYOU MERISIER (LA.)

LOCATION. LAT. 30-14-00, LONG. 91-41-55. NORTH (150 FEET) OF PUBLIC BOAT LAUNCH, 1.7 MILES NORTH OF CATAHOULA, LA. (STA. 4915012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1950, 1957 AND 1961. DAILY DURING HIGH WATER, JAN. 1966 TO 1969 AND FEB. 23, 1973 TO 1979. DAILY 1980 TO DATE.

EXTREMES. HIGHEST, 23.05 FEET ON MAY 26, 1973. LOWEST, MINUS 0.12 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.37	14.33	14.87	15.93		13.96	15.15	12.27		5.94	5.19	5.72
2	8.84	13.77	15.12	15.85		13.90	15.30	12.17		5.83	5.18	5.62
3	9.38	13.43	15.27	15.80		13.82	15.50	11.85		5.76	5.15	5.40
4	10.03	13.07	15.47	15.87		13.65	15.70	11.63		5.87	5.15	5.02
5	10.60	12.80	15.67	15.80		13.47	15.90	11.37	4.43	5.95	5.04	4.88
6	10.82	12.57	15.89	15.83		13.63	15.94	11.04	4.75	5.93	4.77	4.47
7	11.08	12.38	16.02	15.77		13.61	16.00	10.71	4.89	5.75	4.52	4.67
8	11.24	12.23	16.08	15.85		13.61	15.96	10.53	4.86	5.59	4.26	5.01
9	11.23	12.02	16.18	15.80		13.69	15.88	10.34	4.90	5.56	4.00	4.85
10	11.35	11.90	16.27	15.75		13.55	15.87	10.05	4.89	5.60	3.80	4.94
11	11.45	11.88	16.30	15.87		13.63	15.89	9.70	4.84	5.57	3.85	5.16
12	11.32	11.83	16.34	15.84	F 11.20	13.65	15.80	9.32	4.90	5.63		5.54
13	11.50	11.77	16.35	15.77	11.13	13.61	15.63	8.99	5.00	5.56		5.47
14	11.80	11.75	16.40	15.79	11.15	13.44	15.59	8.71	5.02	5.60		8.05
15	11.93	11.70	16.47	15.83	11.13	13.70	15.50	8.50	4.86	5.60		7.89
16	12.15	11.67	16.48	15.92	11.13	13.78	15.43	8.20	4.70	5.68		7.62
17	12.45	11.60	16.50	15.85	11.26	13.82	15.23	8.01	4.70	5.68		
18	12.75	11.65	16.55	15.78	11.53	13.74	15.10	7.77	4.76	5.24	F	7.20
19	13.27	11.77	16.56	15.75	12.45	13.71	14.93	7.47	5.04	4.64		6.94
20	13.63	12.05	16.60	15.85	12.69	13.88	14.75	7.22	5.45	4.34	F 3.62	6.65
21	14.05	12.30	16.55	15.79	13.01	13.79	14.74	7.04	5.78	4.38	3.64	6.41
22	14.30	12.73	16.57	15.75	13.31	14.01	14.44	6.83	6.16	4.23	3.67	6.09
23	14.57	13.20	16.73	15.67	13.45	13.97	14.22	6.62	6.80	3.79	3.70	2.50
24	14.75	13.63	16.85	15.68	13.64	14.00	14.26	6.39	6.19	4.80	3.82	1.25
25	14.85	13.93	16.75	15.60	13.76	14.16	13.96	6.19	6.18	3.56	4.21	2.42
26	14.85	14.17	16.65	15.40	13.90	14.02	13.67		6.21	3.40	4.65	2.58
27	14.75	14.37	16.67	15.10	13.99	14.15	13.51		6.13	3.92	4.99	2.36
28	14.84	14.67	16.47		14.05	14.65	13.29		6.18	4.20	5.45	2.38
29	14.93	-----	16.20		14.06	14.80	13.08		6.03	5.77	5.62	2.54
30	14.92	-----	16.20		14.06	15.03	12.76		5.92	5.20	6.25	3.01
31	14.65	-----	16.05	-----	14.03	-----	12.52	-----	-----	5.01	-----	4.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.47	12.68	16.23	15.76	12.75	13.88	14.89	9.16	5.37	5.15	4.57	4.89
MAX	14.93	14.67	16.85	15.93	14.06	15.03	16.00	12.27	6.80	5.95	6.25	8.05
MIN	8.37	11.60	14.87	15.10	11.13	13.44	12.52	6.19	4.43	3.40	3.62	1.25
DAYS	31	28	31	27	20	30	31	25	26	31	22	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 332

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.78.

HIGHEST STAGE WAS 16.90 AT 1:00 P.M. ON MAR 24.

LOWEST STAGE WAS MINUS 0.12 ON DEC 24.

DAILY STAGE FOR 1989

WABPL (FWS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-30, LONG. 91-37-13. ON RIGHT BANK OF LOWER GRAND BAYOU AT TEXACO OIL COMPANY DOCK AT DAUTERIVE LANDING, LA. (STA. 4919512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1973 GAGE ZERO WAS MINUS 0.45 FOOT, NGVD

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1943. DAILY, JUNE 1, 1944 TO DATE.

EXTREMES. HIGHEST, 21.20 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.35 FOOT ON JAN. 21, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.8	11.0	13.0	12.9	10.5	10.7	11.8	8.2	3.8	5.5	4.8	4.7
2	5.3	10.8	13.2	12.7	9.1	10.6	12.2	7.9	3.8	5.4	4.8	4.8
3	5.8	10.6	13.4	12.6	8.7	10.5	12.5	7.7	3.9	5.4	4.6	4.8
4	6.4	10.3	13.6	12.5	8.4	10.6	12.7	7.6	3.9	5.4	4.4	4.7
5	6.9	10.3	13.7	12.5	8.3	10.6	12.8	7.5	4.0	5.5	4.4	4.7
6	7.8	10.2	13.6	12.5	8.3	10.8	12.8	7.4	4.1	5.3	4.4	4.6
7	8.0	10.0	13.6	12.5	8.2	10.8	12.7	7.3	4.2	5.3	4.2	4.7
8	8.1	9.7	13.7	12.7	8.1	10.7	12.6	7.1	4.4	5.2	4.0	4.5
9	8.2	9.4	13.9	12.6	8.2	10.6	12.5	6.9	4.5	5.2	3.8	4.4
10	8.2	9.2	13.9	12.6	8.3	10.4	12.4	6.6	4.3	5.1	3.6	4.2
11	8.1	9.1	14.0	12.5	8.3	10.3	12.3	6.2	4.5	5.2	3.4	4.1
12	8.3	9.1	14.1	12.6	8.4	10.2	12.1	5.8	4.6	5.0	3.4	4.0
13	8.5	9.2	14.2	12.6	8.4	10.1	12.2	5.4	4.7	5.1	3.3	3.8
14	8.7	9.2	14.2	12.7	8.5	10.0	12.1	5.0	4.7	5.1	3.4	3.6
15	8.9	9.1	14.2	12.7	8.5	10.1	12.0	4.8	4.6	5.0	3.4	3.4
16	9.0	9.2	14.1	12.8	8.6	10.2	11.9	4.6	4.7	4.9	3.3	3.2
17	9.1	9.2	14.1	12.9	8.8	10.1	11.8	4.4	4.4	4.9	3.2	3.1
18	9.3	9.3	14.1	12.9	9.1	10.2	11.5	4.1	4.4	4.8	3.2	3.0
19	9.5	9.5	13.9	13.0	9.5	10.2	11.2	3.8	4.5	4.6	3.1	2.9
20	9.8	9.7	13.9	13.0	9.5	10.3	11.0	3.4	4.7	4.4	3.3	2.9
21	10.1	10.0	13.8	13.1	10.1	10.3	10.7	3.0	4.9	4.2	3.3	2.7
22	10.4	10.4	13.7	13.1	10.3	10.4	10.5	2.9	5.1	4.0	3.4	2.6
23	10.8	10.8	13.6	13.0	10.4	10.4	10.3	3.0	5.3	3.5	3.6	2.4
24	11.3	11.2	13.5	12.9	10.5	10.5	10.1	3.0	5.4	3.3	3.8	2.3
25	11.5	11.6	13.6	12.8	10.5	10.6	9.9	3.0	5.5	3.2	4.0	2.2
26	11.7	12.0	13.6	12.8	10.6	10.7	9.6	3.1	5.6	3.2	4.2	2.2
27	11.7	12.6	13.5	12.7	10.6	10.9	9.4	3.2	5.6	3.2	4.4	2.2
28	11.6	12.8	13.3	12.7	10.7	11.1	9.2	3.4	5.5	3.4	4.6	2.2
29	11.5	-----	13.1	12.2	10.7	11.3	9.0	3.5	5.4	3.8	4.6	2.1
30	11.3	-----	13.0	11.9	10.6	11.5	8.8	3.6	5.4	4.2	4.7	2.3
31	11.1	-----	12.9	-----	10.6	-----	8.5	3.7	-----	4.7	-----	3.0

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.1	10.2	13.7	12.7	9.3	10.5	11.3	5.1	4.7	4.6	3.9	3.4
MAX	11.7	12.8	14.2	13.1	10.7	11.5	12.8	8.2	5.6	5.5	4.8	4.8
MIN	4.8	9.1	12.9	11.9	8.1	10.0	8.5	2.9	3.8	3.2	3.1	2.1
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 8.2.

HIGHEST STAGE WAS 14.2 ON MAR 13 AND LATER DATE(S).

LOWEST STAGE WAS 2.1 ON DEC 29.

DAILY STAGE FOR 1989

ARM OF GRAND LAKE NEAR CROOK CHENE COVE (LA.)

LOCATION. LAT. 30-04-35, LONG. 91-31-33. ON TOWER IN CANAL EIGHT MILES WEST OF GRAND LAKE.
(STA. 4919712D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, JAN. 23, 1976 TO MAY 27, 1976 AND MAR. 17, 1977 TO DATE.

EXTREMES. HIGHEST, 17.26 FEET ON JUN. 4, 1983. LOWEST, 3.81 FEET ON NOV. 3 AND 4, 1983.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT MGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		12.33	13.72		11.70		12.72	9.29				
2		12.08	13.89 F	13.24	11.22		12.80	9.24				
3		11.78	14.05	13.22	10.80		12.96	9.06				
4		11.48	14.15	13.21	10.42		12.71	8.86				
5		11.16	14.30	13.23	10.21		12.58	8.68				
6		10.89	14.34	13.17	9.86		12.55	8.50				
7		10.67	14.40	13.15	9.60		12.51	8.34				
8		10.50	14.46	13.15	9.43		12.56	8.25				
9		10.35	14.55	13.17	9.35		12.66	8.13				
10		10.24	14.61	13.17	9.30		12.70	7.97				
11		10.15	14.73	13.15	9.26		12.73	7.83				
12		10.15	14.80	13.16	9.26		12.79	7.68				
13		10.15	14.81	13.25	9.30 F	10.81	12.89	7.56				
14		10.17	14.84	13.33		10.78	13.27	7.42				
15		10.20	14.85	13.44		11.01	13.10	7.27				
16		10.25	14.85	13.46		10.93	12.86	7.17				
17		10.27	14.80	13.47		10.85	12.65	7.07				
18		10.26	14.74	13.47		10.84	12.43	6.97				
19		10.27	14.66	13.51		10.83	12.17	6.87				
20		10.35	14.63	13.53		10.84	12.02	6.74				
21		10.61	14.60	13.54		10.91	11.77	6.60				
22		10.99	14.55	13.53		11.04	11.50	6.49				
23 F	11.58	11.44	14.54	13.50		11.17	11.29					
24	11.74	11.90	14.47	13.49		11.35	11.16					
25	12.04	12.36	14.37	13.47		11.49	10.89					
26	12.20	12.80	14.24	13.29		11.60	10.62					
27	12.35	13.13	14.15	13.05		11.77	10.34					
28	12.43	13.44	14.01	12.79		12.32	10.07					
29	12.45	-----	13.85	12.48		12.54	9.83					
30	12.47	----- F	13.80	12.11		12.62	9.61					
31	12.45	-----	-----	-----		-----	9.41		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	12.19	11.08	14.43	13.23	9.98	11.32	11.94	7.82				
MAX	12.47	13.44	14.85	13.54	11.70	12.62	13.27	9.29				
MIN	11.58	10.15	13.72	12.11	9.26	10.78	9.41	6.49				
DAYS	9	28	30	29	13	18	31	22	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 180

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 11.73.

HIGHEST STAGE WAS 14.85 AT 12:30 P.M. ON MAR 14 AND LATER DATE(S).

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

WABPL (FWS) AT LITTLE LAKE LONG (LA.)

LOCATION. LAT. 29-59-08, LONG. 91-32-55. ON RIGHT BANK OF LITTLE LAKE LONG, 900 FEET EAST OF WABPL AND ABOUT SEVEN MILES NORTH OF CHARENTON FLOODGATE. (STA. 4923013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1971 TO JUN. 13, 1989.

EXTREMES. HIGHEST, 18.99 FEET ON MAY 25, 1973. LOWEST, 1.28 FEET ON SEP. 29, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.45	10.73	12.12	11.67	10.10	10.00						
2	5.06	10.46	12.29	11.60	9.57	10.02						
3	5.80	10.25	12.41	11.60		9.94						
4	6.57	9.96	12.52	11.60 F	8.80	9.76						
5	7.28	9.65	12.64	11.61	8.63	9.62						
6	7.65 F	9.47	12.67	11.54	8.34	9.62						
7	7.86		12.75	11.52	8.12	9.52						
8	8.05		12.80	11.54	8.03	9.55						
9	8.10		12.82	11.58	8.00	9.50						
10	8.13		12.87	11.57	7.98	9.43						
11	8.19		13.05	11.54	8.00	9.42						
12	8.18		13.10	11.57	8.07	9.44						
13	8.25		13.12	11.65	8.16	9.47						
14	8.34		13.14	11.72	8.30	S						
15	8.39		13.15	11.81	8.34							
16	8.54 F	8.98	13.12	11.83	8.37							
17	8.69	8.97	13.06	11.83	8.50							
18	8.94	8.97	13.00	11.83	8.65							
19	9.30	9.04	12.94	11.86	9.14							
20	9.60	9.18	12.88	11.88	9.38							
21	9.80	9.51	12.87	11.87	9.52							
22	10.10	9.93	12.87	11.84	9.66							
23	10.30	10.30	12.82	11.82	9.78							
24	10.45	10.66	12.75	11.80	9.87							
25	10.69	11.04	12.64	11.72	9.96							
26	10.83	11.35	12.54	11.56	10.00							
27	10.92	11.62	12.43	11.34	10.01							
28	10.96	11.90	12.27	11.09	10.01							
29	10.97	-----	12.12	10.81	10.02							
30	10.97	-----	12.03	10.46	10.02							
31	10.89	-----	11.83	-----	10.02	-----			-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.78	10.10	12.70	11.59	9.04	9.64						
MAX	10.97	11.90	13.15	11.88	10.10	10.02						
MIN	4.45	8.97	11.83	10.46	7.98	9.42						
DAYS	31	19	31	30	30	13	0	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 154

F=NOT AT STATED TIME S=DISCONTINUED

THE MEAN STAGE FOR THE YEAR WAS 10.40.

HIGHEST STAGE WAS 13.15 AT 2:00 A.M. ON MAR 15.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BUFFALO COVE AT ROUND ISLAND (LA.)

LOCATION. LAT. 29-59-00, LONG. 91-31-30. ON SOUTHEAST SIDE OF ROUND ISLAND. (STA. 4923513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 26, 1976 TO DATE.

EXTREMES. HIGHEST, 14.98 FEET ON JUN. 3, 1983. LOWEST, (FROM INCOMPLETE RECORD) 0.11 FOOT ON OCT. 17 AND 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.20	10.46	11.87	11.45	9.82	9.66	10.95	7.44	3.54	5.04	4.31	4.62
2	4.72	10.20	12.06	11.34	9.33	9.64	11.07	7.42	3.52	5.01	4.44	4.64
3	5.33	9.94	12.17	11.35	8.88	9.62	11.24	7.17	3.57	4.96	4.31	4.57
4	5.94	9.65	12.28	11.35	8.54	9.43	11.46	6.94	3.60	4.91	4.33	4.34
5	6.46	9.38	12.39	11.38	8.35	9.27	11.56	6.77	3.73	4.89	4.30	4.19
6	6.82	9.11	12.43	11.35	8.03	9.28	11.60	6.57	3.93	4.89	4.19	4.00
7	7.07	8.91	12.48	11.30	7.80	9.15	11.63	6.33	4.06	4.86	4.08	4.06
8	7.28	8.73	12.55	11.32	7.66	9.17	11.56	6.26	4.07	4.81	3.93	4.16
9	7.42	8.54	12.74	11.38	7.62	9.14	11.47	6.01	4.08	4.69	3.72	3.83
10	7.55	8.44 F	12.78	11.37	7.60	9.05	11.43	5.74	4.07	4.66	3.53	
11	7.74	8.41	12.83	11.36	7.58	9.02	11.42	5.51	4.13	4.64	3.53	
12	7.77	8.41	12.86	11.37	7.61	9.04	11.39	5.34	4.18	4.67	3.51	
13	7.95	8.42	12.88	11.45	7.61	9.03	11.26	5.18	4.21	4.68	3.52	
14	7.95	8.46	12.90	11.54	7.76	9.05	11.42	5.00	4.31	4.71	3.64 F	3.39
15	8.00	8.49	12.92	11.63	7.80	9.32	11.23	4.80	4.33	4.73	3.75	3.40
16	8.14	8.52	12.90	11.64	7.85	9.22	11.05	4.64	4.14	4.81	3.55	3.12
17	8.29	8.50	12.86	11.65	7.94	9.17	10.85	4.55	4.07	4.80	3.06	2.92
18	8.55	8.50	12.81	11.65	8.12	9.16	10.63	4.43	4.07	4.74	3.25	2.83
19	8.90	8.54	12.70	11.68	8.60	9.15	10.39	4.19	4.17	4.29	3.17	2.92
20	9.23	8.65	12.65	11.71	8.84	9.17	10.21	3.95	4.40	3.93	3.22	2.80
21	9.44	8.97	12.63	11.71	9.01	9.26	9.94	3.79	4.64	3.87	3.28	2.82
22	9.66	9.38	12.63	11.68	9.16	9.40	9.69	3.80	4.83	3.82	3.33	2.48
23	9.85	9.00	12.59	11.67	9.30	9.53	9.48	3.85	4.93	3.58	3.34	
24	10.05	10.23	12.53	11.65	9.41	9.70	9.36	3.70	4.95	3.43	3.28	
25	10.31	10.65	12.42	11.63	9.53	9.83	9.07	3.60	4.96	3.24	3.62 F	2.05
26	10.48	11.04	12.31	11.43	9.64	9.91	8.80	3.51	5.03	3.12	3.90	2.16
27	10.60	11.34	12.21	11.15	9.71	10.09	8.53	3.45	5.02	3.30	4.17	2.13
28	10.66	11.65	12.01	10.89	9.73	10.64	8.24	3.37	5.04	3.58	4.49	2.08
29	10.69	-----	11.87	10.60	9.72	10.80	7.99	3.38	5.07	3.78	4.58	2.22
30	10.70	-----	11.79	10.23	9.71	10.87	7.79	3.42	5.11	3.99	4.55	2.41
31	10.64	-----	11.58	-----	9.69	-----	7.55	3.53	-----	4.19	-----	3.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.33	9.33	12.47	11.40	8.64	9.49	10.33	4.96	4.33	4.34	3.80	3.25
MAX	10.70	11.65	12.92	11.71	9.82	10.87	11.63	7.44	5.11	5.04	4.58	4.64
MIN	4.20	8.41	11.58	10.23	7.58	9.02	7.55	3.37	3.52	3.12	3.06	2.05
DAYS	31	28	31	30	31	30	31	31	30	31	30	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 359

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 7.62.

HIGHEST STAGE WAS 12.92 AT 1:00 A.M. ON MAR 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 1.85 ON DEC 28.

DAILY STAGE FOR 1989

BAYOU FORDOCHE NEAR KROTZ SPRINGS, LA.

LOCATION. LAT. 30-29-10, LONG. 91-48-40. ON BRIDGE (IN OIL AND GAS FILED) BELOW JUNCTION WITH BAYOU COURTABLEAU, FIVE MILES SOUTHWEST OF KROTZ SPRINGS, LA. (STA. 4925512D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 13, 1954 TO DATE.

EXTREMES. HIGHEST, 23.28 FEET ON MAY 27, 1973. LOWEST, (FROM INCOMPLETE RECORD) 9.90 FEET ON SEP. 14, 1979.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.88	17.15	16.24	18.68	16.23	17.97	18.58	17.27	13.63	13.37		13.92
2	17.90	16.98	16.35	18.65	16.02	17.95	18.69	17.03	13.58	13.32		13.89
3	17.90	16.80	16.46	18.62	15.80	17.95	18.97	16.80	13.54	13.31		13.85
4	17.87	16.79	16.94	18.60	15.60	17.92	19.20	16.57	13.50	13.30		13.81
5	17.80	16.60	17.10	18.55	16.87	17.85	19.39	16.37	13.45	13.30		13.80
6	17.62	16.40	17.25	18.47	17.35	18.00	19.45	16.18	13.49	13.29 F	13.28	13.92
7	17.28	16.28	17.18	18.33	17.11	18.01	19.50	16.02	13.45	13.28	13.39	14.50
8	17.15	16.13	17.25	18.18	17.01	18.08	19.52	16.12	13.42	13.28	13.47	16.85
9	17.08	16.01	17.32	18.06	16.92	18.09	19.50	16.00	13.40	13.28	13.47	17.40
10	17.10	15.89	17.40	17.98	16.78	18.08	19.43	15.81	13.50 F	13.22	13.45	17.39
11	17.68	15.79	17.48	17.87	16.55	18.08	19.40	15.64	13.49		13.43	17.13
12	17.77	15.67	17.55	17.72	16.25	18.06	19.38	15.50	13.78			17.08
13	17.80	15.60	17.65	17.61	16.00	18.04	19.31	15.40	14.47	F	13.38	16.80
14	17.88	15.39	17.72	17.50	15.80	18.00	19.38	15.27	14.65	F	13.39	16.53
15	17.90	15.11	17.76	17.48	15.62	18.33	19.35	15.16	14.50		13.50	16.34
16	17.90	14.90	17.80	17.40	15.42	18.38	19.30	15.00	14.28 F	13.17	13.83	16.18
17	F 17.80	14.70	17.82	17.32	15.28	18.35	19.23	14.80	14.12	13.39	13.89	15.99
18	17.73	14.50	17.83	17.26	16.38	18.30	19.15	14.54	13.90	13.41	13.88	15.92
19	17.93	14.38	17.85	17.21	17.59	18.24	19.07	14.35	13.74	13.40	13.84	15.85
20	18.08	14.31	17.85	17.17	17.93	18.15	19.25	14.30	13.61	13.37 F	13.79	15.75
21	18.12	14.26	17.86	17.11	18.09	17.98	19.14	14.40	13.56	13.32	13.75	15.61
22	18.12	14.40	17.08	18.20	17.81	19.00	14.50	13.50	13.30	13.70	15.58	
23	18.03	15.99	18.29	17.02	18.20	17.61	18.88	14.59	13.47 F	13.30	14.03	15.50
24	18.00	16.25	18.48	17.01	18.17	17.45	18.84	14.46	13.42		14.05	15.50
25	17.93	16.23	18.55	16.98	18.15	17.25	18.71	14.61	13.42		14.02	15.02
26	17.85	16.18	18.58	16.90	18.13	17.10	18.60	14.52	13.41		13.97	14.58
27	17.72	16.17	18.58	16.80	18.11	16.98	18.45	14.27	13.40		13.90	14.34
28	17.56	16.23	18.56	16.69	18.10	17.70	18.28	14.03	13.38		13.94	14.26
29	17.45	-----	18.55	16.55	18.10	18.20	18.00	13.96	13.38		14.02	14.60
30	17.36	-----	18.67	16.41	18.07	18.45	17.78	13.80	13.38 F	13.24	13.99	16.65
31	17.30	-----	18.68	-----	17.98	-----	17.53	13.70	-----	-----	-----	17.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.73	15.75	17.73	17.57	17.03	17.95	18.98	15.19	13.66	13.31	13.72	15.54
MAX	18.12	17.15	18.68	18.68	18.20	18.45	19.52	17.27	14.65	13.41	14.05	17.40
MIN	17.08	14.26	16.24	16.41	15.28	16.98	17.53	13.70	13.38	13.17	13.28	13.80
DAYS	31	28	31	30	31	30	31	31	30	19	24	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.33.

HIGHEST STAGE WAS 19.52 AT 4:00 A.M. ON JUL 8.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

ALABAMA BAYOU (FWS) AT SHERBURNE, LA.

LOCATION. LAT. 30-42-40, LONG. 91-30-56. ON LEFT BANK AT HEAD. (STA. 4940012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1972 TO DATE.

EXTREMES. HIGHEST, 29.40 FEET ON MAY 24, 1973. LOWEST, (FROM INCOMPLETE RECORD) 10.19 FEET ON JUN. 9, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.75	16.10	14.08	16.18	12.26	16.30	17.48	16.37	11.43			11.78
2	16.80	15.95	13.97	16.18	12.10	16.17	17.53	16.30	11.29			11.67
3	16.83	15.80	14.53	16.15	11.93	16.14	17.76	16.20	11.15			11.57
4	16.84	15.66	15.21	16.10	11.77	16.12	17.85	16.08	11.00			11.47
5	16.83	15.54	15.39	16.03	14.70	16.10	17.82	15.96 F	10.96			11.36
6	16.79	15.45	15.36	15.85	15.70	16.34	17.70	15.80				11.25
7	16.75	15.40	15.26	15.67	15.81	16.38	17.58	15.63		F	10.97	12.25
8	16.67	15.35	15.15	15.47	15.90	16.50	17.48	15.76				
9	16.60	15.29	15.05	15.27	15.99	16.55	17.35	15.77				
10	16.59	15.17	14.91	15.06	16.02	16.57	17.25	15.74				
11	16.56	15.02	14.76	14.86	16.05	16.63	17.16	15.65 F	10.96		F	16.28
12	16.55	14.84	14.69	14.65	16.05	16.66	17.06	15.49 F	10.92			16.39
13	16.60	14.64	14.45	14.45	16.01	16.69	16.94	15.27	11.42			16.40
14	16.61	14.44	14.32	14.28	15.89	16.69	16.88	14.99	11.47	F	10.97	16.38
15	16.64	14.26	14.20	14.12	15.73	16.98	16.79	14.68	11.43	F	11.39	16.34
16	16.65	14.07	14.12	13.95	15.55	16.99	16.72	14.34	11.32		11.04	16.24
17	16.65	13.89	14.03	13.78	15.44	16.99	16.64	14.01	11.17	11.35	11.05	16.13
18	16.63	13.70	13.94	13.62	15.54	16.95	16.63	13.68	11.03		11.17	16.03
19	16.80	13.51	13.88	13.43	16.34	16.89	16.60	13.44			11.23	15.88
20	16.86	13.33	13.82	13.27	16.46	16.83	17.07	13.30		F	11.26	15.74
21	16.89	13.24	13.77	13.11	16.69	16.72	17.04	13.13				15.57
22	16.90	14.07	14.05	12.95	16.89	16.61	16.97	12.88				15.38
23	16.90	14.87	15.29	12.83	16.96	16.56	16.92	12.62				15.15
24	16.88	15.00	15.74	12.71	16.98	16.44	16.99	12.37				14.89
25	16.84	14.88	15.85	12.62	16.97	16.34	16.95	12.15				14.65
26	16.75	14.71	15.90	12.54	16.99	16.22	16.91	11.94				14.44
27	16.65	14.51	15.93	12.44	16.93	16.20	16.85	11.74				14.26
28	16.56	14.30	15.95	12.37	16.83	17.20	16.76	11.57			11.89	14.07
29	16.44	-----	15.92	12.39	16.70	17.34	16.66	11.68			11.93	14.05
30	16.34	-----	16.06	12.38	16.57	17.43	16.56	11.63			11.88	15.78
31	16.23	-----	16.12	-----	16.44	-----	16.43	11.55	-----		-----	16.08

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.69	14.75	14.89	14.16	15.68	16.62	17.08	14.12	11.20	11.35	11.34	14.55
MAX	16.90	16.10	16.13	16.18	16.99	17.43	17.85	16.37	11.47	11.35	11.93	16.40
MIN	16.23	13.24	13.77	12.37	11.77	16.10	16.43	11.55	10.92	11.35	10.97	11.25
DAYS	31	28	31	30	31	30	31	31	13	1	11	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 296

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 15.06.

HIGHEST STAGE WAS 17.87 AT 6:00 P.M. ON JUL 3.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

UPPER GRAND RIVER AT LITTLE TENSAS BAYOU (LA.)

LOCATION. LAT. 30-14-23, LONG. 91-31-35. ON TOWER (RIGHT BANK) IN LITTLE TENSAS BAYOU,
ABOUT 300 FEET SOUTH OF JUNCTION WITH UPPER GRAND RIVER. (STA. 4944012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 23.62 FEET ON MAY 23, 1973. LOWEST, (FROM INCOMPLETE RECORD) 1.10 FEET ON
OCT. 9, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.79	12.65	15.47	14.95		12.85	14.50 F	9.33	4.77	6.63	5.89	6.39
2	6.82		15.60	14.95		12.80	14.70	9.17	4.89	6.60	5.92	6.37
3	7.93		15.70	14.97		12.57	14.90	8.88	4.95	6.53	5.83	6.14
4	9.17		15.80	14.89		12.38	15.05	8.57	5.02	6.48	5.83	5.77
5	9.85		15.95	14.86		12.24	15.22	8.37	5.19	6.57	5.77	5.57
6	10.15		16.05	14.84		12.30	15.22	8.08	5.48	6.56	5.52	5.27
7	10.40		16.15	14.89		12.28	15.20	7.74	5.60	6.48	5.31	5.39
8	10.58		16.25	14.94		12.35	15.12	7.59	5.57	6.36	5.07	5.65
9	10.63 F	11.24	16.35	14.95		12.25	15.07	7.24	5.63	6.22	4.86	5.24
10	10.60	11.22	16.45	14.90 F	10.10	12.25	15.03	6.84	5.61	6.24	4.64	5.26
11	10.63	11.34	16.50	14.94	10.27	12.30	15.00	6.55	5.65	6.23	4.72	5.27
12	10.55	11.33	16.50	15.00	10.44	12.35	14.90	6.31	5.64	6.28	4.68	5.13
13	10.65	11.25	16.50	15.10	10.57	12.23	14.70	6.10	5.68	6.30	4.69	4.57
14	10.73	11.35	16.55	15.15	10.68	12.07	14.75	6.00	5.81	6.34	4.84	4.64
15	10.90	11.40	16.55	15.20	10.67	12.35	14.55	5.80	5.70	6.35	4.98	4.57
16	11.15	11.37	16.50	15.17	10.80	12.36	14.35	5.63	5.46	6.42	4.67	4.17
17	11.40	11.35	16.45	15.15	11.05	12.41	14.12	5.52	5.45	6.41	4.23	3.98
18	11.85	11.45	16.40	15.23	11.30	12.41	13.77	5.34	5.46	6.07	4.47	3.92
19	12.30	11.60	16.37	15.25	12.05	12.41	13.55	4.96	5.72	5.45	4.38	4.00
20	12.65	11.90	16.27	15.27	12.30	12.53		4.70	6.15	5.08	4.44	3.95
21	13.05	12.55	16.25	15.25	12.45	12.66		4.51	6.43	5.07	4.53	3.94
22	12.70 F	13.42	16.27	15.20	12.65	12.86		4.58	6.83	5.04	4.56	3.50
23	12.65	13.82	16.20	15.17	12.75	13.07		4.70	6.90	4.67	4.54	
24	12.35	14.25	16.15	15.12	12.85	13.24		4.55	6.83	4.56	4.62	
25	12.00	14.60	16.00	14.95	12.95	13.43		4.49	6.88	4.30	5.07	
26	11.95	14.80	15.90	14.72	13.05	13.50		4.37	6.93	4.20	5.43	
27	11.85	15.00	15.80	14.37	13.05	13.62		4.35	7.00	4.62	5.75	
28	11.95	15.30	15.55	14.03	13.05	14.22		4.35	6.90	4.90	6.21	
29	11.95	-----	15.35	13.57	13.05	14.27		4.37	6.77	5.15	6.35	
30	12.00	-----	15.25	-----	13.03	14.42		4.36	6.70	5.44	6.27	
31	12.25	-----	15.10	-----	12.95	-----		4.74	-----	5.78	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.95	12.53	16.07	14.93	11.91	12.77	14.72	6.07	5.95	5.78	5.14	4.94
MAX	13.05	15.30	16.55	15.27	13.05	14.42	15.22	9.33	7.93	6.63	6.35	6.39
MIN	5.79	11.22	15.10	13.57	10.10	12.07	13.55	4.35	4.77	4.20	4.23	3.50
DAYS	31	21	31	29	22	30	19	31	30	31	30	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 327

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 9.99.

HIGHEST STAGE WAS 16.60 AT 2:00 P.M. ON MAR 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 3.45 ON DEC 22.

DAILY STAGE FOR 1989

EABPL BORROW PIT (FWS) AT DIXIE BAYOU (LA.)

LOCATION. LAT. 30-27-28, LONG. 91-32-35. AT MILEPOST 29, 4.5 MILES NORTH OF RAMAH, LA.
(STA. 4951012D.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1955 TO 1957, 1959 TO 1987
AND 1989 TO DATE.

STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								10.40				
2					11.30							
3							12.58			9.15		
4												
5												9.80
6						11.85			9.58			
7											9.02	
8								10.11				
9					10.45							
10												
11							12.88			8.95		11.07
12						11.00			9.65			
13												
14											9.86	
15					9.78							
16												
17												
18							12.31			9.00		
19									9.45			10.29
20						10.97						
21											9.97	
22								9.58				
23					11.30							
24										8.89		
25							11.39					
26									9.19			
27						11.20						9.88
28											9.99	
29		-----						10.10				
30		-----			11.20							
31		-----		-----		-----			-----	8.81	-----	

DAILY STAGE FOR 1989

EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE INTERSTATE 10)

LOCATION. LAT. 30-24-05, LONG. 91-30-47. ABOVE 800 FEET NORTH OF INTERSTATE 10 OVERPASS.
(STA. 4952512D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE HAS BEEN KNOWN AS EABPL BORROW PIT (FWS) AT RAMAH, LA. (ABOVE RAILROAD FILL).

RECORDS AVAILABLE. INTERMITTENTLY 1955 TO 1957 AND 1959 TO DATE.

STAGE IN FEET		GAGE ZERO IS AT NGVD (1983 ADJ.)										
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								10.39				
2					11.30							
3				13.18			12.50			9.20		
4	11.00											
5												9.82
6			12.95			11.62			9.61			
7											9.06	
8		11.13						10.79				
9					10.48							
10	10.58											
11				13.68			12.85			8.98		10.99
12						11.05			9.71			
13			13.68									
14		10.55									9.89	
15					9.80							
16												
17	10.65			12.68			12.35			9.10		
18												
19									9.48			10.31
20			13.82			11.00						
21											9.99	
22								9.58				
23					11.20							
24	11.40									8.88		
25				12.55			11.40					
26												
27			13.71			11.21			9.23			9.90
28		11.68									10.06	
29		-----						10.14				
30	12.02	-----			11.25	-----						
31		-----		-----					-----	8.88	-----	

DAILY STAGE FOR 1989

EABPL BORROW PIT (FWS) NEAR RAMAH, LA. (BELOW INTERSTATE 10)

LOCATION. LAT. 30-22-10, LONG. 91-31-10. APPROXIMATELY 2-1/2 MILES SOUTH OF INTERSTATE 10.
(STA. 4954212D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE, DAILY, AUG. 8, 1987 TO DATE. FOR RECORDS PRIOR TO 1988 REFER TO GAGE AT EABPL BORROW PIT (FWS) AT RAMAH, LA. (STA. 4954012D.)

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 19.68 FEET ON APR. 21, 1975. LOWEST, 0.90 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.71	11.65	11.78	13.04	11.44	11.02	12.02		3.21	4.86	4.05	4.45
2	6.04	11.58	12.03	12.93	11.13	11.04	12.10		3.29	4.83	4.13	4.54
3	6.55	11.55	12.22	12.85	10.83	11.12	12.39		3.35	4.79	4.07	4.41
4	7.10	11.38	12.38	12.76	10.54	11.10	12.60		3.33	4.73	4.04	4.19
5	7.61	11.21	12.55	12.70	10.50	10.97	12.78		3.48	4.72	4.00	4.02
6	7.92	11.03	12.70	12.61	10.24		12.86		3.69	4.74	3.92	3.76
7	8.12	10.90	12.84	12.54	10.00		12.94		3.84	4.67	3.73	4.39
8	8.30	10.70	12.97	12.49	9.76		12.96		3.86	4.60	4.14	6.53
9	8.51	10.51	13.07	12.43	9.56		12.92		3.86	4.50	3.74	6.66
10	8.75	10.31	13.15	12.40	9.38		12.83		3.86	4.49	3.47	6.75
11	8.90	10.16	13.25	12.41	9.25		12.77		3.90	4.48	3.34	6.76
12	8.97	10.06	13.34	12.38	9.13			5.73	3.99	4.49	3.27	
13	9.08	9.97	13.41	12.37	9.07			5.44		4.50	3.23	
14	9.18	9.89	13.48	12.35	9.09			5.19		4.51	3.33	
15	9.25	9.84	13.50	12.38	9.10			4.92		4.53	3.66	
16	9.31	9.78	13.51	12.37	9.10			4.70		4.59	3.86	
17	9.41	9.73	13.53	12.36	9.13			4.48		4.57	3.55	
18	9.53	9.68	13.54	12.35	9.19			4.30		4.45	3.31	
19	9.86	9.68	13.53	12.35	10.07			4.00		4.04	3.17	
20	10.09	9.69	13.51	12.35	10.19			3.70		3.68	3.08	
21	10.29	9.78	13.49	12.34	10.32			3.44		3.57	3.08	
22	10.49	9.94	13.55	12.32	10.53			3.34		3.56	3.07	
23	10.68	10.19	13.61	12.30	10.62			3.38		3.26	3.30	
24	10.87	10.51	13.58	12.28	10.72			3.30		3.09	3.33	
25	11.06	10.81	13.53	12.25	10.79			3.20		2.91	3.49	
26	11.21	11.08	13.47	12.18	10.86			3.08		2.78	3.75	
27	11.35	11.33	13.42	12.10	10.91	11.09		2.98		2.97	4.01	
28	11.45	11.54	13.33	11.97	10.96	11.54		2.96		3.22	4.26	
29	11.54	-----	13.25	11.85	10.99	11.78		3.09		3.46	4.42	
30	11.64	-----	13.31	11.66	-----	11.94		3.06		3.67	4.47	
31	11.67	-----	13.18	-----	11.00	-----		3.18	-----	3.86	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.37	10.52	13.16	12.39	10.15	11.29	12.65	3.87	3.64	4.10	3.68	5.13
MAX	11.67	11.65	13.61	13.04	11.44	11.94	12.96	5.73	3.99	4.86	4.47	6.76
MIN	5.71	9.68	11.78	11.66	9.07	10.97	12.02	2.96	3.21	2.78	3.07	3.76
DAYS	31	28	31	30	30	9	11	20	12	31	30	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 274

THE MEAN STAGE FOR THE YEAR WAS 8.48.

HIGHEST STAGE WAS 13.61 AT 8:00 A.M. ON MAR 23.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

UPPER GRAND RIVER (FWS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-24. ABOUT 0.6 MILE BELOW JUNCTION WITH BAYOU MARINGOUIN (EABPL BORROW PIT). (STA. 4957009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS GRAND RIVER CROSSING R. S. IN 1933.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1946, 1949 TO 1950, AND 1963 TO 1965. DAILY, JUNE 28, 1954 TO APR. 6, 1963, AND DEC. 16, 1965 TO DATE.

EXTREMES. HIGHEST, 19.5 FEET FROM MAR. 4 TO 9, 1950. LOWEST, (FROM INCOMPLETE RECORD) 0.50 FOOT ON JAN. 12, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.40	11.14	11.95	12.48	10.72	10.44	11.51	8.10				
2	5.05	10.94	12.07	12.40	10.31	10.42	11.61	8.00				
3	5.83	10.78	12.26	12.38	9.90	10.40	11.80	7.78				
4	6.57	10.53	12.34	12.31	9.50	10.29	12.00	7.48				
5	7.00	10.28	12.42	12.22	9.30	10.18	12.12	7.25				
6	7.23	10.08	12.52	12.16	9.00	10.28	12.19					
7	7.43	9.87	12.64	12.10	8.75	10.17	12.25					
8	7.68	9.68	12.73	12.09	8.64	10.20	12.29					
9	7.88	9.48	12.84	12.07	8.53	10.12	12.27					
10	8.13	9.36	12.94	12.09	8.50	10.05	12.24					
11	8.26	9.30	13.00	12.00	8.47	10.02	12.22					
12	8.30	9.28	13.08	11.98	8.47	10.00	12.14					
13	8.40	9.20	13.17	11.99	8.50	9.93	12.03					
14	8.55	9.20	13.15	12.00	8.55	9.84	12.04					
15	8.61	9.23	13.18	12.05	8.52	10.06	11.95					
16	8.75	9.22	13.19	12.05	8.58	10.03	11.82					
17	8.90	9.20	13.19	12.05	8.66	10.00	11.70					
18	9.10	9.20	13.18	12.09	8.78	10.00	11.53					
19		9.25	13.17	12.09	9.35	10.00	11.34					
20		9.36	13.15	12.10	9.59	10.01	11.20					
21		9.66	13.14	12.09	9.78	10.05	10.97					
22		10.12	13.18	12.07	9.96	10.15	10.74					
23		10.46	13.20	12.07	10.00	10.22	10.52					
24 F	10.65	10.74	13.15	12.04	10.17	10.35	10.38					
25	10.89	11.04	13.08	12.02	10.22	10.41	10.10					
26	11.01	11.28	13.02	11.86	10.34	10.50	9.77					
27	11.15	11.50	12.97	11.72	10.40	10.65	9.48					
28	11.20	11.77	12.83	11.52	10.42	11.19	9.15					
29	11.25	-----	12.73	11.32	10.46	11.30	8.90					
30	11.31	-----	12.74	11.02	10.48	11.43	8.61					
31	11.28	-----	12.60	-----	10.45	-----	8.30		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.65	10.04	12.86	12.01	9.46	10.29	11.13	7.72				
MAX	11.31	11.77	13.20	12.48	10.72	11.43	12.29	8.10				
MIN	4.40	9.20	11.95	11.02	8.47	9.84	8.30	7.25				
DAYS	26	28	31	30	31	30	31	5	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 212

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 10.62.

HIGHEST STAGE WAS 13.20 AT 5:00 P.M. ON MAR 22 AND LATER DATES(S).

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

EABPL BORROW PIT (FWS) AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-48, LONG. 91-19-21. IN RECESS AT SOUTHWEST CORNER OF SOUTH GATE BAY SECTION (IWW, MORGAN CITY-PORT ALLEN ROUTE). (STA. 4963009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO DATE.

EXTREMES. HIGHEST, 18.10 FEET ON MAY 23 AND LATER DATES IN 1973. LOWEST, 0.00 FOOT ON JAN. 14 AND 15, 1964 AND OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.8 G	7.3 G	7.7 G	8.6 G	7.7 G	6.9 G	7.8 G	5.6 G	2.5 G	3.5 G	2.8 G	3.0
2 G	3.0 G	7.3 G	8.0 G	8.5 G	7.1 G	6.9 G	7.7 G	5.6 G	2.5 G	3.5 G	3.2 G	3.1
3 G	3.5 G	7.3 G	8.3 G	8.4 G	7.2 G	6.9 G	7.8 G	5.6 G	2.5 G	3.6 G	3.0 G	3.0
4 G	3.9 G	7.0 G	8.4 G	8.4 G	7.1 G	6.9 G	7.9 G	5.3 G	2.5 G	3.5 G	3.0 G	3.0
5 G	4.3 G	6.8 G	8.4 G	8.0 G	6.6 G	6.9 G	8.0 G	5.2 G	2.8 G	3.4 G	2.9 G	2.8
6 G	4.7 G	6.7 G	8.4 G	8.0 G	6.4 G	6.9 G	8.1 G	5.1 G	2.8 G	3.5 G	3.0 G	2.7
7 G	4.9 G	6.6 G	8.6 G	8.1 G	6.0 G	6.9 G	8.1 G	4.6 G	2.8 G	3.5 G	2.9 G	2.9
8 G	5.0 G	6.4 G	8.6 G	8.1 G	5.9 G	6.9 G	8.1 G	4.5 G	2.9 G	3.5 G	3.2 G	3.0
9 G	5.1 G	6.3 G	8.6 G	8.1 G	5.6 G	6.8 G	8.1 G	4.4 G	2.9 G	3.4	3.1 G	2.9
10 G	5.2 G	6.3 G	8.6 G	8.1 G	5.7 G	6.8 G	8.1 G	4.2 G	3.0 G	3.4	3.2	2.9
11 G	5.3 G	6.3 G	8.6 G	8.1 G	5.7 G	6.6 G	8.0 G	4.0 G	3.0 G	3.4	2.9	2.8
12 G	5.3 G	6.3 G	8.8 G	8.1 G	5.5 G	6.6 G	8.0 G	3.9 G	3.0 G	3.3	2.8	2.7
13 G	5.5 G	6.3 G	9.0 G	7.9 G	5.5 G	6.5 G	7.9 G	3.8 G	3.0 G	3.3	2.7	2.5
14 G	5.5 G	6.0 G	9.0 G	7.9 G	5.5 G	6.6 G	7.7 G	3.5 G	3.2 G	3.3 G	2.8	2.5
15 G	5.6 G	6.1 G	9.0 G	7.9 G	5.6 G	6.9 G	8.1 G	3.5 G	3.3 G	3.3	3.1	2.5
16 G	5.6 G	6.1 G	9.0 G	7.9 G	5.6 G	6.9 G	8.0 G	3.3 G	3.3 G	3.3	3.4	2.5
17 G	5.6 G	6.1 G	9.1 G	7.9 G	5.6 G	6.8 G	7.9 G	3.3 G	3.3 G	3.5	3.2 G	2.5
18 G	5.6 G	6.1 G	9.1 G	7.9 G	5.9 G	6.7 G	7.8 G	3.1 G	3.3 G	3.5	2.7 G	1.9
19 G	6.0 G	6.0 G	9.1 G	8.0 G	6.1 G	6.7 G	7.7 G	3.1 G	3.3 G	3.4	2.5	2.0
20 G	6.1 G	6.2 G	9.0 G	8.0 G	6.1 G	6.6 G	7.5 G	2.8 G	3.3 G	3.5	2.5	1.9
21 G	6.3 G	6.3 G	9.0 G	8.0 G	6.3 G	6.5 G	7.5 G	2.7 G	3.3 G	3.3	2.6	1.8
22 G	6.5 G	6.3 G	9.0 G	8.0 G	6.3 G	6.5 G	7.3 G	2.6 G	3.3 G	3.1	2.4	0.9
23 G	6.7 G	6.6 G	9.1 G	8.0 G	6.3 G	6.4 G	7.1 G	2.7 G	3.3 G	2.8	2.5	0.9
24 G	6.7 G	6.8 G	9.1 G	8.0 G	6.5 G	6.9 G	7.0 G	2.6 G	3.3 G	2.8	2.5	0.9
25 G	6.9 G	7.0 G	8.9 G	7.9 G	6.6 G	6.9 G	6.8 G	2.8 G	3.3 G	2.7	2.4	0.8
26 G	7.0 G	7.2 G	8.9 G	8.0 G	6.6 G	6.9 G	6.7 G	2.7 G	3.5 G	2.5	2.5 G	1.0
27 G	7.1 G	7.4 G	8.9 G	8.0 G	6.8 G	6.9 G	6.5 G	2.6 G	3.6 G	2.2 G	2.9 G	1.3
28 G	7.3 G	7.6 G	8.7 G	8.0 G	6.8 G	6.9 G	6.2 G	2.5 G	3.3 G	2.2 G	3.1 G	1.3
29 G	7.3	----- G	8.6 G	7.8 G	6.8 G	7.7 G	6.0 G	2.5 G	3.4 G	2.2 G	3.0 G	1.4
30 G	7.3	----- G	8.6 G	7.7 G	6.8 G	7.9 G	5.9 G	2.5 G	3.7 G	2.8 G	3.0 G	2.0
31 G	7.4	----- G	8.6	----- G	6.8	----- G	5.8 G	2.5	----- G	2.8	----- G	2.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.6	6.6	8.7	8.0	6.3	6.8	7.5	3.6	3.1	3.2	2.9	2.2
MAX	7.4	7.6	9.1	8.6	7.7	7.9	8.1	5.6	3.7	3.6	3.4	3.1
MIN	2.8	6.0	7.7	7.7	5.5	6.4	5.8	2.5	2.5	2.2	2.4	0.8
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 5.4.

HIGHEST STAGE WAS 9.1 ON MAR 17 AND LATER DATE(S).

LOWEST STAGE WAS 0.8 ON DEC 25.

DAILY STAGE FOR 1989

BIG BAYOU PIGEON (FWS) NEAR PIGEON, LA.

LOCATION. LAT. 30-04-36 LONG. 91-18-33. ON SHELL OIL COMPANY DOCK IN GIWW
(MORGAN CITY-PORT ALLEN ROUTE) AT JUNCTION WITH BIG BAYOU PIGEON. (STA. 4963509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1971 GAGE WAS KNOWN AS LITTLE BAYOU PIGEON.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1939, 1949 AND 1950. DAILY, JAN. 1971 TO DATE.

EXTREMES. HIGHEST, 18.20 FEET ON MAY 25, 1973. LOWEST, 0.37 FOOT ON OCT. 18, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.20	7.40	7.70	8.24	7.24	6.78	7.67	5.71				
2	3.37	7.32	7.90	8.11	6.99	6.82	7.71	5.72				
3	3.72	7.24	8.14	8.03	6.76	6.67	7.77	5.60				
4	3.95	7.10	8.28	7.95	6.55	6.83	7.92	5.37				
5	4.30	6.86	8.45	7.96	6.48	6.75	8.06	5.22				
6	4.70	6.74	8.54	7.92	6.25	6.83	8.07	5.03				
7	4.87	6.62	8.58	7.83	6.03	6.72	8.13	4.82				
8	5.05	6.50	8.63	7.80	5.83	6.70	8.10	4.70				
9	5.17	6.35	8.69	7.82	5.73	6.72	8.04	4.55				
10	5.30	6.19	8.75	7.80	5.65	6.64	7.95	4.35				
11	5.42	6.13	8.82	7.75	5.55	6.57	7.93	4.27				
12	5.47	6.09	8.89	7.73	5.49	6.55	7.90					
13	5.53	6.07	8.96	7.74	5.50	6.53	7.86					
14	5.55	6.08	9.02	7.77	5.60	6.50	8.18					
15	5.65	6.09	9.07	7.84	5.60	6.66	8.13					
16	5.70	6.09	9.10	7.86	5.60	6.62	7.99					
17	5.75	6.06	9.11	7.87	5.64	6.55	7.86					
18	5.85	6.06	9.08	7.85	5.70	6.51	7.73					
19	6.05	6.05	9.04	7.89	6.07	6.50	7.59			F 3.00		
20	6.25	6.10	8.98	7.91	6.20	6.48	7.49					
21	6.35	6.24	8.95	7.88	6.31	6.54	7.35					
22	6.49	6.37	8.96	7.89	6.40	6.59	7.21					
23	6.65	6.53	8.94	7.87	6.48	6.64	7.10					
24	6.76	6.69	8.88	7.87	6.55	6.74	7.00					
25	6.90	6.88	8.82	7.86	6.63	6.81	6.85					
26	7.10	7.10	8.74	7.84	6.71	6.89	6.67					
27	7.20	7.33	8.67	7.76	6.76	6.95	6.48					
28	7.27	7.52	8.60	7.70	6.76	7.45	6.32					
29	7.30	-----	8.51	7.57	6.77	7.65	6.12					
30	7.39	-----	8.52	7.39	6.77	7.66	5.97					
31	7.40	-----	8.39	-----	6.78	-----	5.80		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.73	6.56	8.70	7.84	6.24	6.77	7.45	5.03		3.00		
MAX	7.40	7.52	9.11	8.24	7.24	7.66	8.18	5.72		3.00		
MIN	3.20	6.05	7.70	7.39	5.49	6.48	5.80	4.27		3.00		
DAYS	31	28	31	30	31	30	31	11	0	1	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 224

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.93.

HIGHEST STAGE WAS 9.14 AT 5:30 P.M. ON MAR 16.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

OLD RIVER (FWS) AT JUNCTION WITH GIWW (MORGAN CITY-PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-56-47, LONG. 91-15-35. ON TOWER AT JUNCTION. (STA. 4964510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1939 GAGE WAS KNOWN AS OLD RIVER (FWS) SOUTHWEST OF PIERRE PASS.

RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1946 AND 1949. DAILY, NOV. 1934 TO AUG. 1937 AND JAN. 1971 TO DATE.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 16.84 FEET ON MAY 24, 1973. LOWEST, 0.38 FOOT ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.63	6.57	7.22	7.80	6.79	6.12	7.25	5.15	2.70	3.44	2.81	2.82
2	2.74	6.51	7.46	7.70	6.53	6.18	7.31	5.24	2.65	3.45	3.00	2.86
3	2.94	6.42	7.69	7.64	6.27	6.27	7.37	5.04	2.60	3.40	2.87	2.83
4	3.13	6.29	7.88	7.60	6.06	6.25	7.56	4.85	2.59	3.36	2.89	2.68
5	3.46	6.12	8.08	7.60	6.00	6.18	7.62	4.67	2.66	3.33	2.93	2.73
6	3.84	5.99	8.15	7.49	5.78	6.27	7.63	4.49	2.87	3.37	2.94	2.60
7	4.02	5.85	8.18	7.44	5.53	6.14	7.67	4.31	2.95	3.36	3.00	2.77
8	4.20	5.73	8.21	7.40	5.33	6.10	7.65	4.19	3.01	3.31	3.09	2.90
9	4.33	5.56	8.28	7.45	5.22	6.17	7.58	4.04	3.08	3.25	3.05	2.65
10	4.45	5.45	8.35	7.40		6.04	7.54	3.90	3.03	3.24	2.90	2.64
11	4.56	5.37	8.44	7.34		5.97	7.53	3.77	3.05	3.23	2.83	2.75
12	4.65	5.34	8.53	7.33		5.93	7.51	3.63	3.14	3.24	2.75	2.73
13	4.73	5.34	8.60	7.35		5.95	7.45	3.51	3.13	3.24	2.74	2.45
14	4.72	5.37	8.66	7.39		5.93	7.76	3.41	3.17	3.24	2.88	2.45
15	4.84	5.36	8.74	7.47		6.16	7.64	3.33	3.22	3.27	3.07	2.49
16	4.86	5.37	8.76	7.50		6.05	7.50	3.25	3.10	3.42	3.03	2.08
17	4.90	5.35	8.76	7.52		5.95	7.35	3.16	3.00	3.47	2.67	2.05
18	5.04	5.32	8.74	7.52		5.91	7.19	3.10	2.99	3.49	2.66	1.97
19	5.20	5.31	8.69	7.53		5.90	7.05	2.99	3.00	3.24	2.52	2.12
20	5.44	5.35	8.65	7.53		5.90	6.94	2.86	3.03	2.97	2.41	1.83
21	5.52	5.52	8.63	7.51		5.93	6.79	2.77	3.10	2.87	2.39	1.84
22	5.65	5.63	8.57	7.50		5.99	6.61	2.75	3.18	2.81	2.36	1.35
23	5.83	5.74	8.50	7.50		6.07	6.47	2.95	3.23	2.68	2.37	0.83
24	5.98	5.87	8.50	7.51		6.16	6.39	2.89	3.13	2.60	2.24	0.56
25	6.05	6.10	8.44	7.50 F	5.98	6.27	6.22	2.85	3.15	2.44	2.39	1.09
26	6.19	6.35	8.38	7.46	6.07	6.34	6.05	2.79	3.22	2.34	2.52	1.35
27	6.30	6.60	8.31	7.37	6.13	6.43	5.86	2.75	3.25	2.33	2.66	1.50
28	6.38	6.87	8.25	7.27	6.13	6.93	5.66	2.70	3.29	2.48	2.95	1.60
29	6.47	-----	8.17	7.15	6.11	7.23	5.50	2.73	3.37	2.60	2.88	1.93
30	6.53	-----	8.10 F	6.87	6.11	7.24	5.36	2.68	3.50	2.73	2.81	2.08
31	6.56	-----	8.00	-----	6.12	-----	5.20	2.72	-----	2.84	-----	2.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.91	5.81	8.32	7.45	6.01	6.20	6.94	3.53	3.05	3.07	2.75	2.17
MAX	6.56	6.87	8.76	7.80	6.79	7.24	7.76	5.24	3.50	3.49	3.09	2.90
MIN	2.63	5.31	7.22	6.87	5.22	5.90	5.20	2.68	2.59	2.33	2.24	0.56
DAYS	31	28	31	30	16	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 350

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.97.

HIGHEST STAGE WAS 8.77 AT 2:00 A.M. ON MAR 16.

LOWEST STAGE WAS 0.45 ON DEC 24.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-23, LONG. 91-13-04. ATTACHED TO TELEPHONE POLE NEAR BOAT RAMP IN GIWW (MORGAN CITY-PORT ALLEN ROUTE), 4.2 MILES SOUTH OF PIERRE PASS, LA. (STA. 4969010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1961, GAGE WAS KNOWN AS BELLE RIVER, FWS.

RECORDS AVAILABLE. INTERMITTENTLY, 1945 TO 1946, 1949 TO 1950, 1961. DAILY, JULY 1, 1962 TO DATE.

EXTREMES. HIGHEST, 16.00 FEET ON MAY 22 AND LATER DATES IN 1973. LOWEST, MINUS 0.9 FOOT ON JAN. 14, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.9	6.0	6.3	7.2	6.0	5.6	6.7	5.4	2.0	3.0	2.4	2.4
2	3.1	5.9	6.6	7.2	5.9	5.6	6.7	4.8	2.0	3.0	2.6	2.3
3	3.2	5.8	6.7	7.1	5.7	5.7	6.8	4.4	2.1	2.9	2.6	2.2
4	3.3	5.7	6.8	7.1	5.5	5.8	6.9	4.2	2.2	2.9	2.6	2.2
5	3.4	5.5	6.9	7.0	5.3	5.8	7.0	4.0	2.2	2.9	2.5	2.3
6	3.5	5.4	7.1	6.9	5.1	5.7	7.1	3.8	2.3	2.9	2.5	2.3
7	3.6	5.3	7.2	6.9	4.9	5.7	7.1	3.7	2.4	2.9	2.5	2.3
8	3.7	5.1	7.3	6.8	4.7	5.6	7.1	3.5	2.4	2.8	2.4	2.3
9	3.8	4.9	7.5	6.7	4.6	5.6	7.0	3.4	2.4	2.8	2.4	2.3
10	3.9	4.9	7.6	6.6	4.5	5.5	6.9	3.3	2.5	2.7	2.3	2.2
11	4.0	4.8	7.7	6.5	4.5	5.4	6.9	3.2	2.5	2.7	2.3	2.0
12	4.0	4.8	7.8	6.5	4.6	5.4	6.9	3.1	2.6	2.7	2.2	1.8
13	4.1	4.8	7.9	6.6	4.7	5.4	6.9	3.0	2.7	2.8	2.4	1.7
14	4.2	4.7	8.0	6.7	4.8	5.4	7.1	2.9	2.8	2.9	2.7	1.6
15	4.3	4.6	8.0	6.8	4.8	5.6	7.1	2.8	2.6	3.0	2.7	1.5
16	4.4	4.7	8.1	6.8	4.9	5.5	6.9	2.7	2.5	3.0	2.5	1.4
17	4.5	4.7	8.1	6.9	5.0	5.5	6.8	2.6	2.6	3.0	2.1	1.4
18	4.6	4.8	8.0	6.9	5.1	5.4	6.7	2.5	2.7	2.8	2.0	1.3
19	4.6	4.8	8.0	6.9	5.2	5.3	6.5	2.3	2.8	2.6	2.1	1.3
20	4.8	4.9	8.0	6.8	5.3	5.2	6.3	2.3	2.8	2.3	2.2	1.2
21	5.0	5.0	7.9	6.8	5.4	5.3	6.1	2.3	2.8	2.2	2.0	1.2
22	5.2	5.1	7.8	6.8	5.4	5.4	6.0	2.3	2.7	2.4	2.0	1.1
23	5.3	5.2	7.8	6.8	5.5	5.5	5.9	2.2	2.7	2.2	1.8	0.4
24	5.4	5.4	7.7	6.8	5.6	5.6	5.8	2.2	2.6	2.1	1.6	0.3
25	5.5	5.6	7.6	6.8	5.6	5.7	5.6	2.2	2.6	2.0	1.8	0.6
26	5.6	5.8	7.6	6.8	5.6	5.9	5.4	2.1	2.6	1.9	2.0	0.8
27	5.7	6.0	7.6	6.7	5.7	5.9	5.3	2.1	2.7	1.8	2.1	1.0
28	5.8	6.2	7.5	6.5	5.7	6.4	5.2	2.1	2.7	1.8	2.1	1.2
29	5.9	-----	7.5	6.3	5.7	6.5	5.2	2.0	2.8	2.0	2.2	1.4
30	6.0	-----	7.4	6.2	5.7	6.6	5.2	2.0	3.0	2.1	2.3	1.6
31	6.0	-----	7.3	-----	5.7	-----	5.3	2.0	-----	2.2	-----	1.8

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.5	5.2	7.5	6.8	5.2	5.6	6.4	2.9	2.5	2.6	2.3	1.6
MAX	6.0	6.2	8.1	7.2	6.0	6.6	7.1	5.4	3.0	3.0	2.7	2.4
MIN	2.9	4.6	6.3	6.2	4.5	5.2	5.2	2.0	2.0	1.8	1.6	0.3
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 4.4.

HIGHEST STAGE WAS 8.1 ON MAR 16 AND LATER DATE(S).

LOWEST STAGE WAS 0.3 ON DEC 24.

DAILY STAGE FOR 1969

LITTLE BAYOU SORREL AT JCT. WITH GIWW (MORGAN-CITY PORT ALLEN ROUTE) (LA.)

LOCATION. LAT. 29-47-47, LONG. 91-10-30. ON TOWER AT JUNCTION WITH GULF INTRACOASTAL WATERWAY (STA. 4972510.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 21, 1970 TO DATE.

EXTREMES. HIGHEST, 14.01 FEET (FROM INCOMPLETE RECORD) ON MAY 25, 1973. LOWEST, MINUS 0.88 FOOT ON OCT. 17, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.98	5.75	6.33	6.70	5.84	5.63	6.59	4.75	2.55	2.95	2.36	2.23
2	2.12	5.62	6.55	6.74	5.56	5.70	6.67	4.63	2.36	3.00	2.49	2.25
3	2.42	5.54	6.74	6.67	5.37	5.75	6.65	4.29	2.19	2.90	2.27	2.05
4	2.59	5.30		6.73	5.29	5.65	6.84	4.06	2.33	2.86	2.37	1.94
5	3.00	5.22		6.63	5.34	5.60	6.83	3.82	2.46	2.85	2.51	2.04
6	3.46	5.13		6.47	4.89	5.61	6.82	3.64	2.73	2.97	2.48	1.90
7	3.54	4.93		6.49	4.59	5.46	6.80	3.45	2.75	2.96	2.44	2.08
8	3.74	4.77		6.47	4.44	5.56	6.77	3.30	2.77	2.77	2.61	2.20
9	3.72	4.55		6.51	4.55	5.53	6.72	3.15	2.82	2.67	2.40	1.68
10	3.82	4.48		6.43	4.37	5.39	6.73	3.19	2.74	2.84	2.18	1.85
11	3.94	4.53		6.32	4.17	5.40	6.75	3.06	2.79	2.74	2.24	2.14
12	3.93	4.47		6.39	4.22	5.39	6.68	3.01	2.76	2.81	2.25	2.04
13	3.94	4.56		6.45	4.28	5.39	6.62	2.94	2.75	2.76	2.30	1.62
14	3.84	4.63		6.50	4.49	5.35	6.92	2.93	2.90	2.72	2.47	1.85
15	3.98	4.62		6.60	4.49	5.60	6.72	2.85	2.66	2.91	2.69	2.01
16	3.98	4.64		6.57	4.47	5.34	6.62	2.79	2.44	3.16	2.23	1.35
17	4.04	4.57		6.62	4.61	5.28	6.46	2.71	2.41	3.16	1.87	1.55
18	4.24	4.55		6.60	4.70	5.28	6.32	2.60	2.51	3.03	2.08	1.44
19	4.41	4.57		6.62	5.09	5.26	6.22	2.41	2.71	2.53	1.90	1.67
20		4.72		6.57	5.14	5.24	6.15	2.36	2.74	2.09	1.78	1.17
21		4.95		6.54	5.21	5.30	5.95	2.38	2.89	2.14	1.79	1.24
22		4.96		6.55	5.27	5.39	5.79	2.54	2.95	2.22	1.84	0.63
23		5.00		6.57	5.35	5.50	5.69	2.83	2.87	2.13	1.54	0.15
24	5.30	5.17		6.56	5.38	5.63	5.58	2.70	2.54	2.09	1.50 F	0.08
25	5.37	5.44		6.53	5.50	5.73	5.40	2.55	2.75	1.96	1.87	0.62
26	5.48	5.65		6.47	5.63	5.82	5.26	2.56	2.89	1.88	1.97	0.83
27	5.58	5.87		6.37	5.63	5.99	5.10	2.58	2.84	1.90	2.13	0.97
28	5.62	6.17		6.29	5.58	6.30	4.90	2.44	2.87	2.12	2.49	1.07
29	5.73	-----		6.18	5.56	6.48	4.75	2.37	2.87	2.23	2.10	1.42
30	5.74	----- F	7.10	5.97	5.59	6.51	4.62	2.45	2.88	2.37	2.01	1.64
31	5.75	-----	6.90	-----	5.63	-----	4.43	2.58	-----	2.46	-----	2.29

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.12	5.01	6.72	6.50	5.04	5.60	6.14	3.03	2.69	2.59	2.17	1.55
MAX	5.75	6.17	7.10	6.74	5.84	6.51	6.92	4.75	2.95	3.16	2.69	2.29
MIN	1.98	4.47	6.33	5.97	4.17	5.24	4.43	2.36	2.19	1.88	1.50	0.08
DAYS	27	28	5	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 335

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 4.07.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 7.10 AT 8:20 A.M. ON MAR 30.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.13 ON DEC 23.

DAILY STAGE FOR 1989

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (ABOVE STATE HWY. 10)

LOCATION. LAT. 30-40-07, LONG. 91-39-30. ON NORTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 5204012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1943, 1944, 1947, AND 1950 TO 1955. DAILY, 1948 TO 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.10 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 4, 1954, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.47	20.88	20.03	20.63	19.23	21.38	21.14	19.75	19.30	19.07	19.31	19.34
2	21.20	20.85	19.94	20.48	19.20	21.23	20.98	19.68	19.29	19.04	19.38	19.33
3	21.13	20.80	19.92	20.20	19.20	21.03	21.14	19.60	19.27	19.03	19.36	19.31
4	21.03	20.80	19.90	19.95	19.20	20.96	21.16	19.54	19.23	19.01	19.34	19.30
5	20.95	20.79	19.89	19.82	21.89	21.12	20.70	19.46	19.20	19.01	19.33	19.30
6	20.88	20.75	19.85	19.67	21.70	21.87	20.97	19.35	19.20	19.02	19.33	19.32
7	20.80	20.75	19.80	19.57	21.59	21.70	20.70	19.29	19.19	19.12	19.44	19.70
8	20.75	20.75	19.87	19.48	21.43	21.79	20.60	19.80	19.17	19.15	19.49	20.19
9	20.74	20.70	19.83	19.43	21.48	21.78	20.49	19.70	19.15	19.13	19.52	19.85
10	20.95	20.68	19.77	19.39	21.28	21.60	20.38	19.65	19.11	19.10	19.51	19.78
11	20.97	20.65	19.71	19.35	21.11	22.97	20.30	19.61	19.10	19.09	19.50	19.75
12	21.00	20.65	19.64	19.32	21.00	22.32	20.35	19.58	19.12	19.07	19.49	19.81
13	21.08	20.60	19.47	19.30	20.88	22.04	20.23	19.53	19.13	19.05	19.48	19.78
14	21.02	20.59	19.36	19.30	20.74	21.60	20.45	19.50	19.13	19.04	19.48	19.68
15	21.12	20.53	19.30	19.30	20.59	23.19	20.32	19.46	19.12	19.03	19.65	19.57
16	21.10	20.49	19.23	19.28	20.48	22.72	20.11	19.43	19.10	19.03	19.62	19.45
17	21.03	20.39	19.20	19.27	20.63	22.55	20.24	19.40	19.09	19.75	19.55	19.40
18	20.95	20.30	19.17	19.25	20.63	22.22	20.13	19.38	19.08	19.60	19.52	19.39
19	21.68	20.22	19.15	19.20	23.85	21.99	20.00	19.43	19.08	19.40	19.50	19.40
20	21.70	20.17	19.11	19.20	23.59	21.67	20.60	19.40	19.09	19.49	19.48	19.32
21	21.88	20.25	19.10	19.20	23.32	20.33	20.48	19.37	19.09	19.47	19.48	19.32
22	21.64	20.22	19.35	19.20	23.69	20.12	20.39	19.32	19.08	19.40	19.47	19.30
23	21.51	20.55	20.45	19.18	23.52	20.02	20.29	19.31	19.08	19.38	19.57	19.29
24	21.49	20.77	20.97	19.15	23.25	19.92	20.90	19.29	19.06	19.40	19.48	19.29
25	21.42	20.89	21.08	19.13	23.03	19.87	20.58	19.34	19.04	19.41	19.40	19.28
26	21.35	21.00	20.90	19.11	22.75	19.79	20.41	19.30	19.05	19.35	19.38	19.25
27	21.28	21.08	20.75	19.11	22.34	19.75	20.25	19.26	19.04	19.35	19.37	19.25
28	21.18	20.43	20.77	19.11	21.97	21.90	20.14	19.25	19.06	19.35	19.41	19.25
29	21.08	-----	20.79	19.30	21.79	21.82	20.02	19.37	19.07	19.33	19.38	19.90
30	21.00	-----	20.82	19.27	21.68	21.50	19.91	19.35	19.07	19.32	19.35	20.00
31	20.94	-----	20.78	-----	21.52	-----	19.80	19.32	-----	19.31	-----	21.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	21.17	20.63	19.93	19.44	21.57	21.42	20.46	19.45	19.13	19.24	19.45	19.56
MAX	21.88	21.08	21.08	20.63	23.85	23.19	21.16	19.80	19.30	19.75	19.65	21.30
MIN	20.74	20.17	19.10	19.11	19.20	19.75	19.80	19.25	19.04	19.01	19.31	19.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 20.12.

HIGHEST STAGE WAS 23.85 AT 6:00 A.M. ON MAY 19.

LOWEST STAGE WAS 19.01 ON OCT 4 AND LATER DATE(S).

DAILY STAGE FOR 1989

EABPL BORROW PIT AT BAYOU FORDOCHE (LA.) (BELOW STATE HWY. 10)

LOCATION. LAT. 30-40-04, LONG. 91-39-31. ON SOUTH END OF HIGHWAY 10 CULVERT, JUST ABOVE LOWER JUNCTION WITH BAYOU FORDOCHE, SIX MILES EAST OF MELVILLE, LA. (STA. 52080128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1947, AND 1950 TO 1955. DAILY, 1948 TO 1949, AND MAY 22, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 28.0 FEET ON MAY 18, 1953. LOWEST, CHANNEL DRY ON OCT. 5, 1953, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.72	16.70 F	16.67	16.53	15.57	16.74	20.59	16.20	15.70	15.50	15.40	16.29
2	18.81	16.63	16.67	16.45	15.50	16.74	20.15	16.10	15.70	15.49	15.48	16.29
3	18.05	16.60	16.64	16.35	15.48	16.63	20.24	16.00	15.69	15.48	15.42	16.31
4	17.52	16.59	16.60	16.25	15.48	16.55	20.68	15.94	15.67	15.47	15.40	16.31
5	17.10	16.58	16.60	16.15	20.00	16.78	20.46	15.88	15.65	15.47	15.40	16.35
6		16.55	16.59	16.02	19.51	17.53	19.69	15.80	15.64	15.45	15.40	16.39
7		16.54	16.55	15.95	19.04	17.50	19.03	15.70	15.63	15.50	15.57	16.73
8		16.52	16.57	15.88	18.80	17.19	18.42	16.30	15.63	15.51	15.57	18.80
9		16.49	16.53	15.85	18.21	16.93	17.78	16.10	15.62	15.50	15.70	17.79
10		16.47	16.47	15.80	17.69	16.77	17.18	16.02	15.60	15.38	15.69	16.79
11	F 17.17	16.43	16.44	15.75	17.21	21.18	16.87	16.00	15.63	15.35	15.68	16.58
12	17.04	16.40	16.39	15.72	16.75	20.02	16.80	15.97	15.63	15.33	15.70	16.63
13	17.00	16.38	16.25	15.70	16.89	18.92	16.68	15.94	15.61	15.33	15.68	
14	17.04	16.31	16.10	15.68	16.78	18.06	17.04	15.90	15.63	15.26	15.69	
15	16.90	16.30	16.08	15.69	16.66	20.59	16.90	15.87	15.62	15.26	15.85	
16	16.80	16.23	15.96	15.67	16.57	20.01	16.60	15.80	15.60	15.18	15.88	
17	16.92	16.17	15.90	15.62	16.60	19.12	16.70	15.78	15.60	16.14 F	15.85	
18	16.85	16.11	15.87	15.60	16.59	18.55	16.62	15.75	15.59	15.95		
19	17.50	16.08	15.83	15.60	21.10	17.93	16.45	15.85	15.58	15.75	F 15.80	
20	17.50	16.03	15.80	15.5	20.39	17.38	17.18	15.80	15.56	15.86		
21	17.53	16.20	15.84	15.53	19.60	17.15	17.10	15.77	15.54	15.81 F	15.85	
22	17.28	16.10	16.20	15.50	19.60	16.69	16.79	15.78	15.53	15.78	15.92	
23	17.14	16.26	16.76	15.47	19.51	16.55	16.62	15.74	15.52	15.68	16.18	
24	17.10	16.32	16.80	15.42	19.21	16.43	19.00	15.72	15.52	15.55	16.10	
25	17.08	16.35	16.86	15.39	18.97	16.38	18.30	15.82	15.52	15.50	16.08	
26	17.03		16.77	15.40	18.65	16.29	17.62	15.74	15.53	15.40	16.20 F	15.80
27	16.99		16.69	15.40	18.19	16.25	16.98	15.70	15.50	15.38	16.28	15.80
28	16.93		16.66	15.38	17.61	22.24	16.59	15.68	15.50	15.39	16.29	15.89
29	16.87	-----	16.63	15.64	17.15	21.48	16.43	15.85	15.50	15.40	16.30	16.90
30	16.80	-----	16.65	15.60	16.91	21.17	16.32	15.78	15.51	15.40	16.29	18.00
31	16.75	-----	16.60	-----	16.80	-----	16.20	15.75	-----	15.40	-----	19.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.29	16.37	16.42	15.75	17.84	18.06	17.74	15.87	15.59	15.51	15.81	16.76
MAX	19.72	16.70	16.86	16.53	21.10	22.24	20.68	16.30	15.70	16.14	16.30	19.05
MIN	16.75	16.03	15.80	15.38	15.48	16.25	16.20	15.68	15.50	15.18	15.40	15.80
DAYS	26	25	31	30	31	30	31	31	30	31	27	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 342

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 16.58.

HIGHEST STAGE WAS 22.90 AT 11:30 A.M. ON JUN 28.

LOWEST STAGE WAS 15.17 ON OCT 16.

DAILY STAGE FOR 1989

EABPL BORROW PIT AT LOTTIE, LA. (ABOVE U. S. HWY. 190)

LOCATION. LAT. 30-33-27, LONG. 91-39-27. ON NORTH END OF U. S. HIGHWAY 190 CULVERT.
(STA. 52120128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939.
ADD 0.1 TO STAGES FROM 1945 TO 1964.RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1948, AND 1950 TO 1956. DAILY, 1949, AND
AUG. 8, 1956 TO DATE.EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 25.8 FEET ON AUG. 8, 1940. LOWEST, (FROM INCOMPLETE
RECORD) 7.23 FEET ON JAN. 12, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.13	8.10	7.93	8.18	7.55	9.00	12.90	8.25	7.93	7.61	7.60	7.79
2	10.32	8.05	8.16	8.10	7.59	8.73	11.78	8.20	7.85	7.58	7.63	7.73
3	9.78	8.01	8.18	8.09	7.60	8.63	13.10	8.10	7.78	7.54	7.61	7.70
4	9.45	8.00	8.10	8.04	7.61	8.71	13.90	8.02	7.74	7.53	7.60	7.68
5	9.20	7.98	8.06	8.03	12.57	8.90	12.47	7.97	7.72	7.52	7.67	7.68
6	8.90	7.98	8.03	7.98	10.69	13.00	11.60	7.90	7.73	7.51	7.54	7.67
7	8.62	7.98	8.05	7.90	9.67	11.59	10.73	7.87	7.73	7.50	7.82	10.00
8	8.43	7.98	8.03	7.85	9.27	11.28	10.22	8.30	7.72	7.50	7.99	13.20
9	8.35	7.95	8.00	7.80	9.04	10.48	9.84	8.37	7.70	7.50	7.97	10.32
10	8.97	7.92	7.97	7.81	8.92	9.67	10.72	8.20	7.67	7.50	7.87	9.81
11	9.24	7.90	7.94	7.79	8.76	11.34	9.55	8.07	7.67	7.58	7.78	9.35
12	9.07	7.89	7.90	7.78	8.58	11.37	8.85	7.97	8.66	7.58	7.70	9.99
13	9.04	7.87	7.90	7.80	8.40	10.20	8.68	7.90	7.83	7.59	7.66	8.90
14	8.78	7.85	8.14	7.71	8.30	9.59	8.78	7.88	7.71	7.58	7.60	8.40
15	8.68	7.87	8.20	7.70	8.38	12.80	8.96	7.85	7.67	7.58	7.64	8.21
16	8.47	7.86	7.99	7.68	8.18	11.30	7.78	7.88	7.65	7.58	8.44	8.09
17	8.36	7.85	7.88	7.68	8.12	10.20	8.52	7.85	7.63	7.74	8.03	8.00
18	8.34	7.84	7.80	7.68	8.10	9.90	8.50	7.82	7.60	7.92	7.89	7.98
19	10.60	7.82	7.75	7.68	14.65	9.50	8.40	7.89	7.63	7.95	7.80	7.99
20	9.80	7.80	7.73	7.67	11.72	9.20	13.19	7.86	7.62	7.90	7.73	7.91
21	9.60	7.89	7.73	7.64	10.20	9.01	11.89	7.81	7.60	7.84	7.70	7.89
22	9.20	7.89	7.96	7.62	10.11	8.82	9.68	7.78	7.60	7.80	7.80	7.85
23	8.95	7.87	8.42	7.60	9.71	8.61	8.33	7.79	7.57	7.76	8.34	7.82
24	8.70	7.85	8.38	7.60	9.48	8.32	11.10	7.77	7.56	7.65	8.18	7.81
25	8.50	7.83	8.37	7.60	9.31	8.19	9.77	8.06	7.56	7.63	8.04	7.80
26	8.40	7.80	8.36	7.60	9.18	8.60	9.35	7.95	7.58	7.60	7.98	7.77
27	8.32	7.82	8.33	7.60	9.02	8.65	9.08	7.88	7.62	7.64	7.91	7.75
28	8.25	7.86	8.30	7.60	8.90	16.52	8.85	7.80	7.60	7.60	8.05	7.78
29	8.20	-----	8.25	7.58	8.78	16.75	8.57	8.26	7.62	7.61	7.93	8.30
30	8.17	-----	8.30	7.55	8.56	15.10	8.40	8.17	7.63	7.60	7.84	11.00
31	8.12	-----	8.26	-----	8.49	-----	8.28	8.04	-----	7.60	-----	9.88

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.00	7.90	8.08	7.76	9.21	10.47	10.07	7.98	7.71	7.63	7.84	8.58
MAX	12.13	8.10	8.42	8.18	14.65	16.75	13.90	8.37	8.66	7.95	8.44	13.20
MIN	8.12	7.80	7.73	7.55	7.55	8.19	7.78	7.77	7.56	7.50	7.54	7.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 8.55.

HIGHEST STAGE WAS 18.34 AT 4:30 P.M. ON JUN 28.

LOWEST STAGE WAS 7.50 ON OCT 6 AND LATER DATE(S).

DAILY STAGE FOR 1989

EABPL BORROW PIT AT LOTTIE, LA. (BELOW U. S. HWY. 190)

LOCATION. LAT. 30-33-24, LONG. 91-39-27. ON SOUTH END OF U. S. HIGHWAY 190 CULVERT.
(STA. 5216012B.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE WAS KNOWN AS BAYOU FORDOCHE-LOTTIE BORROW PIT FROM 1937 TO 1939.
ADD 0.1 TO STAGES FROM 1945 TO 1964.RECORDS AVAILABLE. INTERMITTENTLY, 1938 TO 1948, AND 1950. DAILY, 1949, AND MAR. 8, 1951
TO DATE.EXTREMES. HIGHEST, 23.5 FEET (FROM WATERMARK) IN MAY, 1953. LOWEST, CHANNEL DRY ON OCT. 11,
1963, AND LATER DATES. EXTREMES HAVE BEEN CORRECTED.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.95	7.40		7.65		8.94	12.78	7.50				
2	10.18	7.35	7.43	7.48 F	6.70	8.60	11.63	7.38				
3	9.61	7.30	7.50	7.35		8.51	13.00	7.20	F	6.90		
4	9.27	7.28	7.43	7.22 F	7.10	8.58	13.73	7.12				
5	8.98	7.25	7.34	7.15	12.45	8.76	12.30	7.12 F	7.15		F	6.80
6	8.65	7.20	7.30		10.48	12.69	11.38	7.11 F	6.80		F	7.10
7	8.34	7.18	7.20		9.50	11.32	10.54	7.10			7.23	10.10
8	8.10	7.15	7.12		9.09	10.94	10.04	7.64			7.57	13.10
9	7.93	7.12			8.85	10.11	9.63	7.70			7.60	10.22
10	8.77	7.12			8.70	9.30	10.50	7.45			7.28	9.72
11	8.99	7.12		F	6.80	8.52	11.14	9.32	7.28 F	7.10 F	6.90	9.25
12	8.80	7.12			8.26	11.24	8.60	7.18 F	8.60			
13	8.82	7.11 F	7.10		8.00	10.10	8.42	7.13 F	7.15			
14	8.58	7.11	7.30		8.15	9.45	8.55			F	6.85	
15	8.48		7.40		8.30	12.80	8.74 F	7.02		F	7.50	
16	8.25		7.13		7.82	11.25	8.50				8.37	
17	8.05				7.69	10.10	8.25				7.67	
18	7.90			F	6.65	7.34	9.85	8.28		7.19	7.30	
19	10.45				14.43	9.37	8.08		F	6.90	7.20 F	7.02
20	9.69	F	7.11		11.49	9.00	13.16			7.13		
21	9.45 F	7.02			10.08	8.79	11.60				6.90	
22	9.03		7.19		9.99	8.54	9.49 F	6.90		F	7.12	
23	8.77		8.17		9.54	8.33	8.62				7.83	
24	8.48		8.02		9.27	8.00	10.80				7.48	
25	8.26		7.93 F	6.90	9.09	7.80	9.56				7.21	
26	8.07		7.90		8.92	8.51	9.04	F	6.90			
27	7.90		7.82		8.78	8.47	8.70				F	6.90
28	7.79 F	7.01	8.00		8.62	16.80	8.49 F	7.20			7.40	
29	7.70	-----	7.89		8.48	16.60	8.15	7.54		F	7.12	8.20
30	7.58	-----	8.03		8.19	15.02	7.84	7.43				10.84
31	7.50	-----	7.85	-----	8.31	-----	7.63	7.20	----- F	6.80	-----	9.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	8.72	7.18	7.55	7.15	9.04	10.30	9.85	7.27	7.23	7.02	7.39	9.08
MAX	11.95	7.40	8.17	7.65	14.43	16.80	13.73	7.70	8.60	7.20	8.37	13.10
MIN	7.50	7.01	7.10	6.65	6.70	7.80	7.63	6.90	6.80	6.80	6.85	6.80
DAYS	31	16	22	8	29	30	31	19	7	6	17	12

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 228

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.55.

HIGHEST STAGE WAS 18.26 AT 4:00 P.M. ON JUN 28.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

EABPL BORROW PIT NEAR MARINGOUIN, LA.

LOCATION. LAT. 30-28-00, LONG. 91-32-40. ON BORROW PIT BRIDGE, TWO MILES SOUTHWEST OF MARINGOUIN, LA.
(STA. 5220012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 10, 1948 TO DATE.

EXTREMES. HIGHEST, 17.54 FEET ON OCT. 4, 1964. LOWEST, 0.5 FOOT ON NOV. 12, 1953.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.70	3.10	2.33	4.30	2.45	4.47	8.36	4.90	2.51	1.99	1.60	2.94
2	6.05	3.00	2.47	4.20	2.45	4.34	8.05	4.94	2.38	1.95	1.65	2.63
3	4.97	2.93	3.05	4.09	2.43	4.61	9.19	4.78	2.00	2.00	1.63	2.34
4	4.45	2.69	3.07	3.96	2.49	4.56	10.30	4.61	1.93	1.95	1.70	2.18
5	4.16	2.64	2.98	3.95	9.30	4.44	8.65	4.42	1.88	1.86	1.69	2.10
6	3.99	2.54	2.82	3.93	6.99	10.09	8.18	4.18	2.33	1.78	1.70	2.03
7	3.83	2.55	2.70	3.79	5.60	7.81	7.67	3.95	2.13	1.72	2.00	8.40
8	3.57	2.54	2.68	3.74	5.06	7.40	7.42	4.04	2.10	1.73	5.85	10.80
9	3.30	2.45	2.60	3.59	4.70	6.70	7.22	4.07	2.00	1.88	5.72	7.09
10	3.90	2.39	2.60	3.41	4.36	6.00	7.13	3.87	2.00	1.80	5.10	5.87
11	4.22	2.30	2.58	3.32	4.10	5.95	6.99	3.65	1.97	1.75	4.70	5.40
12	4.07	2.29	2.61	3.22	3.88	5.95	6.73	3.42	2.72	1.69	4.32	5.63
13	4.10	2.28	2.65	3.10	3.66	5.72	6.57	3.23	2.89	1.68	3.96	5.35
14	4.19	2.30	2.82	3.03	3.43	5.50	6.64	3.00	2.41	1.68	3.62	5.03
15	4.30	2.37	2.85	2.91	3.20	7.59	6.48	2.80	2.20	1.68	4.50	4.80
16	3.99	2.32	2.84	2.89	3.10	6.70	6.30	2.57	2.18	1.80	5.80	4.49
17	3.80	2.23	2.88	2.81	3.05	6.00	6.28	2.38	2.05	1.83	5.18	4.28
18	3.62	2.20	2.86	2.73	3.00	5.71	6.52	2.20	1.94	2.21	4.82	4.05
19	6.81	2.20	2.79	2.69	11.67	5.52	6.05	2.08	1.83	2.39	4.51	3.85
20	5.90	2.20	2.89	2.63	8.40	5.35	9.30	2.69	1.77	2.33	4.19	3.68
21	5.68	2.45	2.83	2.63	6.59	5.20	7.62	2.17	1.77	2.32	3.88	3.42
22	4.83	2.53	2.98	2.57	8.03	5.15	6.17	2.00	1.82	2.19	3.59	2.98
23	4.50	2.44	4.18	2.59	6.25	5.10	5.77	1.90	1.98	2.06	5.15	2.92
24	4.29	2.36	4.09	2.65	5.78	4.92	6.65	1.89	2.03	1.92	4.79	2.91
25	4.10	2.27	3.85	2.61	5.60	4.90	5.99 F	1.97	2.02	1.85	4.49	2.52
26	3.92	2.28	3.78	2.60	5.42	5.80	5.84		1.90	1.79	4.16	2.25
27	3.69	2.30	3.68	2.59	5.20	5.43	5.67		1.80	1.70	3.85	2.19
28	3.60	2.30	3.75	2.64	5.03	12.00	5.47		1.74	1.68	3.55	2.17
29	3.43	-----	3.78	2.62		13.23	5.28 F	3.02	1.76	1.69	3.47	2.60
30	3.30	-----	5.09	2.62	4.78	10.42	5.11	2.90	1.80	1.65	3.21	7.80
31	3.18	-----	4.40	-----	4.63	-----	4.90	2.71	-----	1.65	-----	6.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.40	2.44	3.14	3.15	5.02	6.42	6.92	3.23	2.06	1.88	3.81	4.23
MAX	8.70	3.10	5.09	4.30	11.67	13.23	10.30	4.94	2.89	2.39	5.85	10.80
MIN	3.18	2.20	2.33	2.57	2.43	4.34	4.90	1.89	1.74	1.65	1.60	2.03
DAYS	31	28	31	30	30	30	31	28	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.91.

HIGHEST STAGE WAS 14.31 AT 4:30 P.M. ON JUN 28.

LOWEST STAGE WAS 1.58 ON NOV 1.

DAILY STAGE FOR 1989

EABPL BORROW PIT (LS) AT RAMAH, LA.

LOCATION. LAT. 30-24-05, LONG. 91-30-37. ON BORROW PIT BRIDGE APPROXIMATELY 800 FEET NORTH OF INTERSTATE 10. (STA. 5224012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935, 1937, 1944 TO 1946, AND 1953 TO 1954. DAILY, JAN. 13, 1948 TO DEC. 31, 1952, AND FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 12.73 FEET ON APR. 22, 1979. LOWEST, 0.29 FOOT ON JAN. 19, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS A: NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.39	2.95	2.15	4.24	2.52	4.42	7.77	4.89	2.05	2.00	1.30	2.73
2	4.52	2.87	2.26	4.13	2.47	4.37	7.47	4.90	1.92	1.96	1.37	2.47
3	3.97	2.74	2.59	4.02	2.40	4.50	8.16	4.78	1.79	1.99	1.47	2.06
4	3.70	2.58	2.70	3.85	2.40	4.57	8.73	4.60	1.60	1.92	1.53	1.81
5	3.60	2.51	2.72	3.94	6.68	4.44	7.91	4.42	1.50	1.85	1.63	1.72
6	3.54	2.41	2.68	3.89	5.70	8.30	7.65	4.21	1.60	1.78	1.66	1.61
7	3.48	2.48	2.65	3.75	5.10	8.80	7.44	3.99	1.71	1.72	1.69	6.68
8	3.28	2.39	2.60	3.65	4.81	6.55	7.33	3.98	1.83	1.79	5.55	8.85
9	3.10	2.28	2.53	3.55	4.52	6.20	7.17	3.97	1.89	1.89	5.45	6.25
10	3.22	2.15	2.57	3.47	4.27	5.82	7.04	3.82	1.95	1.83	4.98	5.48
11	3.38	2.00	2.55	3.30	4.02	5.68	6.93	3.62	1.92	1.78	4.65	5.21
12	3.35	1.95	2.59	3.20	3.76	5.65	6.75	3.42	2.09	1.65	4.29	5.25
13	3.55	1.96	2.62	3.09	3.55	5.52	6.59	3.26	2.0	1.60	3.88	5.16
14	3.65	2.02	2.68	2.98	3.36	5.37	6.63	3.00	2.15	1.60	3.53	4.95
15	3.85	2.09	2.77	2.92	3.15	6.33	6.49	2.80	2.18	1.60	4.40	4.75
16	3.70	2.05	2.78	2.85	2.98	6.06	6.34	2.58	2.10	1.65	5.38	4.50
17	3.60	1.95	2.80	2.75	2.95	5.80	6.26	2.38	1.95	1.75	5.01	4.28
18	3.47	1.89	2.80	2.67	2.90	5.60	6.25	2.20	1.84	2.05	4.75	4.07
19	5.05	1.80	2.78	2.62	9.20	5.48	6.00	2.05	1.75	2.20	4.45	3.80
20	4.74	1.85	2.82	2.58	7.16	5.30	7.13	2.00	1.62	2.10	4.19	3.60
21	4.63	1.99	2.85	2.55	6.00	5.19	6.54	1.92	1.62	1.95	3.86	3.48
22	4.37	2.05	2.93	2.54	6.95	5.12	5.95	1.80	1.68	1.83	3.55	3.03
23	4.22	1.95	3.60	2.53	5.96	5.02	5.71	1.64	1.90	1.72	4.60	
24	4.10	1.93	3.73	2.52	5.65	4.92	6.09	1.73	2.02	1.62	4.67	
25	3.92	1.89	3.65	2.57	5.49	4.82	5.85	1.75	1.99	1.50	4.44 F	2.10
26	3.75	1.95	3.60	2.57	5.32	5.10	5.79	1.72	1.88	1.48	4.14	1.90
27	3.56	2.00	3.58	2.57	5.17	5.04	5.62	1.66	1.80	1.40	3.85	1.80
28	3.46	2.08	3.54	2.55	5.01	9.50	5.47	1.60	1.72	1.32	3.60	1.58
29	3.29	-----	3.59	2.60	4.90	10.70	5.29	2.06	1.78	1.28	3.33	1.49
30	3.18	-----	4.65	2.59	4.72	8.79	5.12	2.18	1.90	1.22	3.11	6.20
31	3.09	-----	4.34	-----	4.58	-----	4.93	2.18	-----	1.25	-----	5.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.83	2.17	2.99	3.10	4.63	5.90	6.59	2.94	1.86	1.72	3.68	3.88
MAX	6.39	2.95	4.65	4.24	9.20	10.70	8.73	4.90	2.20	2.20	5.55	8.85
MIN	3.09	1.80	2.15	2.52	2.40	4.37	4.93	1.60	1.50	1.22	1.30	1.49
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.62.

HIGHEST STAGE WAS 11.00 AT 7:00 P.M. ON JUN 28.

LOWEST STAGE WAS 1.20 ON OCT 30.

DAILY STAGE FOR 1989

UPPER GRAND RIVER (LS) AT DIKE (LA.)

LOCATION. LAT. 30-13-33, LONG. 91-25-11. ON BRIDGE AT JUNCTION WITH EABPL BORROW PIT.
(STA. 5228009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933 TO 1945. DAILY, APR. 1, 1948 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 13.0 FEET FROM MAY 2 TO 5, 1933. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.1 FOOT ON JAN. 27, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.58	3.20	2.46	4.43	2.80	4.49	7.48	4.82				
2	4.27	3.10	2.50	4.30	2.77	4.35	7.47	4.85				
3	4.02	3.01	2.75	4.21	2.71	4.28	7.55	4.78				
4	3.90	2.90	2.98	4.00	2.68	4.21	7.61	4.58				
5	3.85	2.80	3.04	4.03	3.94	4.14	7.68	4.40				
6	3.80	2.73	2.98	3.98	4.29	4.88	7.59					
7	3.70	2.78	2.98	3.90	4.35	5.49	7.54					
8	3.60	2.70	2.90	3.77	4.27	5.65	7.45					
9	3.43	2.53	2.84	3.63	4.22	5.88	7.31					
10	3.46	2.38	2.82	3.55	4.10	5.83	7.20					
11	3.50	2.25	2.80	3.47	3.98	5.75	7.09					
12	3.52	2.20	2.83	3.32	3.84	5.70	6.91					
13	3.60	2.19	2.89	3.20	3.69	5.60	6.74					
14	3.74	2.25	2.90	3.08	3.51	5.46	6.78					
15	3.97	2.30	3.00	3.05	3.33	5.87	6.64					
16	3.90	2.30	3.04	3.03	3.20	5.92	6.48					
17	3.80	2.23	3.04	2.96	3.13	5.82	6.33					
18	3.68	2.15	3.05	2.92	3.06	5.69	6.27					
19	4.33	2.07	3.05	2.88	4.40	5.57	6.12					
20	4.45	2.09	3.06	2.86	5.33	5.45	6.06					
21	4.56	2.32	3.10	2.80	5.54	5.30	6.10					
22	4.49	2.38	3.17	2.78	5.68	5.18	5.98					
23	4.39	2.28	3.76	2.73	5.69	5.07	5.82					
24	4.28	2.20	3.90	2.78	5.53	4.94	5.93					
25	4.14	2.13	3.86	2.80	5.42	4.78	5.94					
26	4.00	2.18	3.84	2.84	5.29	4.68	5.90					
27	3.83	2.28	3.77	2.80	5.15	4.60	5.75					
28	3.69	2.40	3.70	2.80	5.02	5.39	5.56					
29	3.50	-----	3.70	2.82	4.88	6.78	5.34					
30	3.47	-----	4.60	2.82	4.78	7.29	5.13					
31	3.33	-----	4.58	-----	4.62	-----	4.94		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.90	2.44	3.22	3.28	4.23	5.33	6.54	4.69				
MAX	4.58	3.20	4.60	4.43	5.69	7.29	7.68	4.85				
MIN	3.33	2.07	2.46	2.73	2.68	4.14	4.94	4.40				
DAYS	31	28	31	30	31	30	31	5	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 217
THE MEAN STAGE FOR THE YEAR WAS 4.17.
HIGHEST STAGE WAS 7.68 AT 1:00 A.M. ON JUL 5.
LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BAYOU GROSSE TETE AT FRISCOVILLE, LA.

LOCATION. LAT. 30-35-06, LONG. 91-31-31. HIGHWAY 78 BRIDGE, 2.5 MILES NORTHEAST OF LIVONIA, LA.
(STA. 52320128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 21, 1956 TO DATE.

EXTREMES. HIGHEST, 19.09 FEET ON APR. 8, 1983. LOWEST, CHANNEL DRY ON SEP. 13, 1963 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.59	6.75	6.49	7.11	6.41	8.40	16.37	7.07	6.45	6.23	6.23	6.32
2	14.57	6.72	6.57	6.92	6.40	7.48	16.21	7.40	6.42	6.22	6.32	6.30
3	14.28	6.70	7.47	6.85	6.40	9.90	16.56	7.07	6.41	6.22	6.32	6.28
4	13.88	6.69	7.08	6.79	6.40	11.20	16.97	6.92	6.40	6.26	6.32	6.25
5	13.35	6.65	6.87	6.82	14.81	11.50	16.80	6.86	6.39	6.26	6.30	6.28
6	12.70	6.62	6.76	6.79	14.69	15.37	16.83	6.79	6.39	6.27	6.30	6.28
7	11.53	6.65	6.65	6.74	14.30	15.18	16.57	6.73	6.40	6.29	6.65	8.30
8	10.07	6.65	6.60	6.69	13.81	15.55	16.30	9.42	6.41	6.28	6.69	13.68
9	8.60	6.60	6.54	6.65	13.27	15.20	15.95	8.05	6.39	6.27	6.49	12.72
10	10.33	6.57	6.50	6.60	12.45	14.80	15.60	7.02	6.39	6.26	6.38	11.23
11	11.07	6.53	6.49	6.57	11.00	14.99	15.23	6.79	6.40	6.29	6.32	9.37
12	10.47	6.51	6.47	6.57	9.09	14.89	14.92	6.79	6.42	6.30	6.29	10.45
13	9.55	6.50	6.46	6.57	7.30	14.50	14.51	6.70	6.44	6.30	6.28	9.08
14	9.18	6.50	6.45	6.55	6.95	14.12	14.36	6.69	6.45	6.30	6.30	7.43
15	8.88	6.50	6.48	6.55	5.85	14.88	13.93	6.64	6.44	6.29	6.40	6.95
16	8.02	6.48	6.45	6.54	6.80	14.72	13.41	6.60	6.42	6.30	7.19	6.79
17	7.40	6.48	6.44	6.51	7.88	14.36	12.98	6.59	6.31	6.40	6.50	6.70
18	7.20	6.47	6.43	6.50	7.25	13.93	12.41	6.56	6.30	6.50	6.38	6.70
19	12.34	6.45	6.42	6.51	15.16	13.40	11.18	6.81	6.30	6.34	6.34	6.68
20	12.27	6.43	6.40	6.49	15.27	12.74	14.35	6.62	6.29	6.27	6.33	6.68
21	12.25	6.84	6.45	6.48	15.30	11.67	13.75	6.55	6.30	6.22	6.34	6.61
22	11.02	6.88	6.80	6.47	15.95	10.29	13.16	6.53	6.30	6.20	6.30	6.54
23	9.40	6.67	11.30	6.46	15.76	9.20	12.39	6.53	6.30	6.20	6.87	6.47
24	7.90	6.58	10.35	6.45	15.42	8.12	13.27	6.52	6.30	6.20	6.50	6.44
25	7.27	6.53	8.37	6.43	14.95	7.57	12.68	6.53	6.30	6.20	6.38	6.41
26	7.15	6.50	7.18	6.45	14.50	7.41	11.67	6.51	6.32	6.20	6.34	6.42
27	7.05	6.49	6.93	6.44	14.04	7.35	10.13	6.49	6.31	6.21	6.30	6.41
28	6.95	6.48	6.80	6.45	13.48	15.71	8.60	6.45	6.22	6.21	6.38	6.41
29	6.87	-----	6.72	6.69 F	12.95	16.01	7.69	6.98	6.21	6.21	6.43	6.70
30	6.82	-----	9.02	6.45	-----	16.38	7.37	6.62	6.25	6.21	6.37	12.87
31	6.77	-----	7.85	----- F	10.15	-----	7.12	6.52	-----	6.22	-----	12.62

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.99	6.59	7.09	6.60	11.50	12.56	13.52	6.85	6.35	6.26	6.42	7.88
MAX	14.59	6.88	11.30	7.11	15.95	16.38	16.97	9.42	6.45	6.50	7.19	13.68
MIN	6.77	6.43	6.40	6.43	6.40	7.35	7.12	6.45	6.21	6.20	6.23	6.25
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.48.

HIGHEST STAGE WAS 16.97 AT 8:00 A.M. ON JUL 4.

LOWEST STAGE WAS 6.18 ON OCT 24.

DAILY STAGE FOR 1989

FALSE RIVER AT NEW ROADS, LA.

LOCATION. LAT. 30-41-28, LONG. 91-26-18. ON NORTH BANK AT SOUTH END OF MORRISON PARKWAY,
NEW ROADS, LA. (BEHIND MORGAN DEPARTMENT STORE). (STA. 5233009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO FEB. 15, 1966, GAGE WAS MAINTAINED BY U. S. GEOLOGICAL SURVEY AND
DATUM OF GAGE WAS 13.32 FEET NGVD.

RECORDS AVAILABLE. AUG. 13, 1963 TO DATE.

EXTREMES. HIGHEST, 21.10 FEET (FROM INCOMPLETE RECORD) ON APR. 24, 1979. LOWEST, 14.40 FEET ON
OCT. 31, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.95	15.60	15.00	15.87	14.91	16.54	19.38	16.23	15.07	14.57	14.41	14.68
2	17.20	15.54	15.07	15.82	14.90	16.43	19.49	16.12	15.01	14.57	14.50	14.66
3	17.23	15.50	15.13	15.79	14.90	16.56	19.85	16.05	14.99	14.56	14.49	14.63
4	17.14	15.45	15.14	15.75	14.89	16.80	20.12	15.98	14.95	14.57	14.49	14.61
5	17.03	15.40	15.15	15.73	16.08	17.00	20.20	15.89	14.92	14.55	14.48	14.63
6	16.89	15.37	15.12	15.68	16.48	17.92	20.27	15.80	14.91	14.55	14.48	14.52
7	16.75	15.35	15.10	15.60	16.55	18.36	20.09	15.72	14.89	14.55	14.51	14.79
8	16.59	15.33	15.09	15.60	16.52	18.79	19.87	15.92	14.90	14.54	14.56	15.17
9	16.44	15.20	15.10	15.50	16.42	18.98	19.59	15.90	14.87	14.51	14.56	15.27
10	16.40	15.20	15.10	15.43	16.30	18.94	19.30	15.86	14.88	14.50	14.56	15.26
11	16.38	15.18	15.09	15.38	16.20	19.02	19.02	15.79	14.87	14.52	14.55	15.22
12	16.35	15.15	15.08	15.37	16.13	18.95	18.80	15.71	14.88	14.50	14.53	15.30
13	16.28	15.12	15.07	15.32	16.05	18.77	18.48	15.65	14.87	14.50	14.53	15.38
14	16.20	15.10	15.07	15.30	15.98	18.51	18.24	15.58	14.78	14.50	14.57	15.35
15	16.17	15.13	15.09	15.29	15.90	18.59	18.06	15.53	14.72	14.48	14.60	15.30
16	16.09	15.08	15.05	15.25	15.80	18.51	17.82	15.50	14.70	14.50	14.74	15.23
17	16.00	15.05	15.05	15.24	16.00	18.32	17.61	15.45	14.69	14.50	14.79	15.19
18	15.96	15.03	15.05	15.20	16.00	18.10	17.42	15.40	14.66	14.52	14.72	15.17
19	16.08	15.00	15.03	15.20	17.15	17.88	17.26	15.40	14.64	14.50	14.75	15.18
20	16.14	14.99	15.02	15.15	17.71	17.65	17.39	15.39	14.54	14.49	14.69	15.12
21	16.13	15.07	15.04	15.12	18.00	17.43	17.51	15.33	14.53	14.48	14.70	15.10
22	16.10	15.10	15.09	15.10	17.90	17.22	17.42	15.30	14.53	14.47	14.70	15.05
23	16.03	15.12	15.35	15.09	17.96	17.13	17.27	15.30	14.51	14.45	14.76	15.00
24	15.98	15.10	15.46	15.05	17.95	16.96	17.23	15.25	14.49	14.44	14.88	14.97
25	15.92	15.09	15.49	15.03	17.75	16.80	17.09	15.23	14.48	14.48	14.82	14.94
26	15.86	15.08	15.48	15.04	17.59	16.62	16.98	15.20	14.48	14.43	14.73	14.95
27	15.80	15.07	15.46	15.00	17.41	16.49	16.82	15.19	14.47	14.43	14.73	14.92
28	15.73	15.05	15.45	14.99	17.22	17.35	16.68	15.12	14.50	14.43	14.74	14.90
29	15.69	-----	15.50	14.97	17.03	18.45	16.53	15.13	14.50	14.43	14.71	15.00
30	15.65	-----	15.80	14.95	16.87	19.07	16.40	15.11	14.58	14.42	14.70	15.20
31	15.60	-----	15.88	-----	16.74	-----	16.29	15.10	-----	14.42	-----	-----

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	16.28	15.19	15.21	15.33	16.56	17.80	18.21	15.55	14.73	14.50	14.63	15.02
MAX	17.23	15.60	15.88	15.87	18.00	19.07	20.27	16.23	15.07	14.57	14.88	15.38
MIN	15.60	14.99	15.00	14.95	14.89	16.43	16.29	15.10	14.47	14.42	14.41	14.52
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 15.76.

HIGHEST STAGE WAS 20.31 AT 4:00 P.M. ON JUL 5.

LOWEST STAGE WAS 14.40 ON OCT 31.

DAILY STAGE FOR 1989

BAYOU GROSSE TETE NEAR TORBERT, LA.

LOCATION. LAT. 30-34-06, LONG. 91-29-23. STATE HIGHWAY 978 BRIDGE, 1.1 MILES NORTH OF TORBERT, LA.
(STA. 5234209.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 18.73 FEET ON APR. 8, 1983. LOWEST, (FROM INCOMPLETE RECORD) 3.86 FEET ON
JUNE 1, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.61	6.77	6.48	7.21	6.32	8.50	16.20	7.42	6.38	6.15	6.27	6.28
2	14.42	6.73	6.52	7.03	6.30	7.77	16.03	7.60	6.33	6.15	6.30	6.24
3	14.10	6.70	7.47	7.03	6.29	9.79	16.54	7.30	6.31	6.15	6.30	6.20
4	13.68	6.65	7.00	7.08	6.30	11.20	17.02	7.14	6.30	6.18	6.30	6.20
5	13.14	6.60	6.83	7.01	15.40	11.20	16.70	7.01	6.30	6.25	6.30	6.20
6	12.48	6.59	6.70	6.90	14.58 F	15.90	16.70	6.93	6.30	6.29	6.30	6.18
7	11.30	6.60	6.60	6.81	14.07 F	15.08	16.37	6.84		6.30	6.60	9.20
8	9.90	6.60	6.53	6.78	13.60	15.82	16.08	9.31 F	6.28	6.30	6.74	13.77
9	8.60	6.58	6.50	6.72	12.99	15.12	15.71	8 05	6.25	6.30	6.42	12.57
10	10.28	6.51	6.45	6.67	12.20	14.62	15.38	7.12	6.25	6.29	6.23	11.07
11	10.90	6.50	6.43	6.60	10.83	14.89	15.00	6.96	6.27	6.28	6.17	9.19
12	10.33	6.48	6.42	6.58	8.95	14.72	14.70	6.93	6.30	6.28	6.13	10.33
13	9.45	6.43	6.40	6.58	7.39	14.38	14.28	6.84	6.30	6.30	6.12	8.90
14	9.14	6.42	6.40	6.56	7.13	13.95	14.15	6.78	6.30	6.27	6.13	7.33
15	8.90	6.42	6.46	6.57	7.03	14.82	13.71	6.73	6.29	6.25	6.38	6.87
16	8.09	6.45	6.40	6.54	7.04	14.54	13.20	6.63	6.27	6.27	7.24	6.77
17	7.53	6.44	6.40	6.50	7.70	14.16	12.78	6.60	6.20	6.36	6.40	6.63
18	7.33	6.43	6.40	6.50	7.36	13.75	12.30	6.57	6.19	6.43	6.27	6.60
19	12.30	6.40		6.48	15.70	13.24	11.01	6.75	6.18	6.30	6.20	6.78
20	12.23	6.40		6.47	15.22	12.59	14.91	6.61	6.18	6.23	6.20	6.68
21	12.12	6.80		6.43	15.13	11.56	13.70	6.54	6.18	6.21	6.19	6.60
22	10.87	6.87 F	7.30	6.42	15.83	10.21	13.00	6.48	6.19	6.20	6.20	6.59
23	9.30	6.65	11.30	6.41	15.53	9.30	12.18	6.46	6.20	6.20	7.00	6.41
24	7.95	6.50	10.20	6.40	15.21	8.46	13.20	6.49	6.21	6.20	6.46	6.39
25	7.37	6.45	8.27	6.39	14.75	8.08	12.50	6.44	6.21	6.20	6.34	6.34
26	7.23	6.43	7.16	6.39	14.29	7.97	11.47	6.42	6.21	6.23	6.30	6.35
27	7.14	6.43	6.95	6.38	13.80	7.85	10.03	6.39	6.22	6.23	6.29	6.35
28	7.03	6.43	6.85	6.37	13.30	16.49	8.72	6.38	6.15	6.23	6.33	6.35
29	6.95	-----	6.80	6.52	12.68 F	16.62	8.04	6.90	6.13	6.24	6.40	6.55
30	6.90	-----	9.27	6.37	11.61	16.35	7.79	6.54	6.17	6.24	6.30	12.85
31	6.80	-----	7.90	-----	10.10	-----	7.50	6.42	-----	6.26	-----	12.45

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.95	6.54	7.16	6.62	11.44	12.63	13.45	6.89	6.24	6.25	6.36	7.85
MAX	14.61	6.87	11.30	7.21	15.83	16.62	17.02	9.31	6.38	6.43	7.24	13.77
MIN	6.80	6.40	6.40	6.37	6.29	7.77	7.50	6.38	6.13	6.15	6.12	6.18
DAYS	31	28	28	30	31	30	31	31	29	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.49.

HIGHEST STAGE WAS 17.04 AT 8:00 P.M. ON JUL 3.

LOWEST STAGE WAS 6.11 ON NOV 12.

DAILY STAGE FOR 1989

BAYOU GROSSE TETE AT LIVONIA, LA.

LOCATION. LAT. 30-33-32, LONG. 91-33-24. ON BRIDGE (BETWEEN HIGHWAYS 77 AND 78) IN FRONT OF LIVONIA HIGH SCHOOL. (STA. 52356128.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 18.58 FEET ON APR. 8, 1983. LOWEST, 2.05 FEET (FROM INCOMPLETE RECORD) ON JUN. 29, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.10	6.75	6.53	6.90	6.46	8.03	15.92	6.86	6.51	6.32	6.33	6.36
2	14.12	6.73	6.55	6.80	6.44	7.10	15.79	7.07	6.49	6.32	6.36	6.35
3	13.85	6.70	7.15	6.75	6.43	9.28	16.10	6.86	6.48	6.33	6.36	6.35
4	13.44	6.70	6.90	6.71	6.41	10.65	16.50	6.78	6.48	6.34	6.37	6.32
5	12.91	6.69	6.78	6.76	14.00	10.79	16.35	6.72	6.48	6.33	6.37	6.33
6	12.26	6.69	6.70	6.68	14.20	14.69	16.37	6.69	6.48	6.34	6.35	6.34
7	11.16	6.70	6.61	6.65	13.89	14.72	16.12	6.66	6.49	6.36	6.68	7.50
8	9.73	6.70	6.58	6.63	13.43	14.99	15.88	8.65	6.49	6.37	6.67	13.33
9	8.18	6.61	6.53	6.60	12.86	14.78	15.51	7.75	6.47	6.37	6.49	12.43
10	9.63	6.60	6.51	6.59	12.08	14.35	15.19	6.89	6.47	6.34	6.39	10.97
11	10.56	6.58	6.50	6.56	10.63	14.54	14.80	6.75	6.48	6.36	6.35	9.03
12	10.05	6.56	6.50	6.55	8.70	14.46	14.49	6.75	6.50	6.36	6.32	10.00
13	9.13	6.57	6.50	6.55	7.00	14.10	14.07	6.68	6.51	6.37	6.32	8.77
14	8.80	6.55	6.50	6.55	6.85	13.70	13.90	6.65	6.50	6.37	6.34	7.17
15	8.50	6.55	6.52	6.55	6.78	14.37	13.50	6.65	6.50	6.37	6.47	6.86
16	7.65	6.54	6.49	6.54	6.72	14.24	13.02	6.59	6.49	6.38	7.03	6.75
17	7.11	6.53	6.48	6.53	7.40	13.89	12.62	6.58	6.39	6.50	6.54	6.67
18	7.00	6.52	6.48	6.53	7.05	13.49	12.09	6.57	6.39	6.58	6.45	6.66
19	11.68	6.51	6.48	6.53	14.40	12.99	10.83	6.80	6.39	6.40	6.40	6.65
20	11.84	6.51	6.48	6.51	14.88	12.32	13.40	6.63	6.36	6.32	6.40	6.65
21	11.93	6.83	6.51	6.50	14.88 F	11.26	13.38	6.57	6.35	6.30	6.40	6.60
22	10.76	6.85	6.77	6.50	15.51	9.87	12.78	6.56	6.38	6.29	6.36	6.56
23	9.12	6.65	10.33	6.49	15.29	8.79	11.99	6.54	6.39	6.30	6.80	6.51
24	7.60	6.58	9.95	6.49	14.98	7.67	12.90	6.52	6.40	6.29	6.53	6.50
25	7.07	6.55	8.04	6.48	14.49	7.11	12.31	6.55	6.40	6.29	6.44	6.48
26	6.97	6.55	6.97	6.49	14.03	7.02	11.30	6.55	6.41	6.30	6.40	6.49
27	6.91	6.55	6.83	6.48	13.59	7.00	9.85	6.51	6.41	6.30	6.40	6.47
28	6.86	6.53	6.75	6.48	13.07 F	14.80	8.30	6.51	6.30	6.30	6.48	6.47
29	6.82	-----	6.70	6.68	12.42	15.38	7.34	6.89	6.30	6.31	6.48	6.65
30	6.80	-----	8.37	6.49	11.39	15.91	7.05	6.63	6.33	6.31	6.39	12.28
31	6.75	-----	7.44	-----	9.83	-----	6.90	6.55	-----	6.32	-----	12.13

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	9.65	6.62	6.98	6.58	11.16	12.08	13.11	6.77	6.43	6.25	6.46	7.76
MAX	14.12	6.85	10.33	6.90	15.51	15.91	16.50	8.65	6.51	6.58	7.03	13.33
MIN	6.75	6.51	6.48	6.48	6.41	7.00	6.90	6.51	6.30	6.34	6.32	6.32
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 8.34.

HIGHEST STAGE WAS 16.50 AT 8:00 A.M. ON JUL 4.

LOWEST STAGE WAS 6.28 ON OCT 28.

DAILY STAGE FOR 1989

BAYOU GROSSE TETE AT ROSEDALE, LA.

LOCATION. LAT. 30-26-33, LONG. 91-27-06. STATE HIGHWAY 76 BRIDGE. (STA. 5236009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JUN. 15, 1983.

RECORDS AVAILABLE. FEB. 19, 1965 TO JUN. 21, 1972 AND JUN. 23, 1973 TO DATE.

EXTREMES. HIGHEST, 14.35 FEET ON APR. 8, 1983. LOWEST, MINUS 0.10 FOOT ON DEC. 24, 1989.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.20	2.34	1.41	4.00	1.71	5.35		4.16	0.85	1.11	0.47	0.72
2	9.34	2.22	1.69	3.53	1.65			4.43	0.73	1.12	0.61	0.54
3	9.13	2.10	2.81	3.29	1.58	5.63	11.74	4.07	0.59	1.11	0.75	0.40
4	8.84	1.99	2.77	3.15	2.49	6.66	11.92	3.71	0.48	0.98	0.65	0.23
5	8.47	1.89	2.48	3.25	8.52	7.85	11.80	3.44	0.60	0.88	0.58	0.22
6	7.99	1.81	2.29	3.14	9.37	10.07	11.71	3.19	0.81	0.82	0.63	0.47
7	7.20	1.85	2.11	2.96	9.16	10.25	11.56	3.05	0.89	0.93	1.91	5.08
8	6.14	1.79	1.95	2.81	8.82	10.40	11.35	4.75	1.00	1.13	4.27	9.02
9	5.08	1.64	1.84	2.64	8.40	10.34	11.09	4.83	1.09	0.99	3.24	8.59
10	5.63	1.47	1.81	2.49	7.85	10.03	10.84	3.58	1.07	0.85	2.42	7.49
11	6.49	1.34	1.81	2.35	6.89	10.04	10.56	2.80	1.13	0.81	1.95	6.15
12	6.32	1.28	1.82	2.20	5.55	9.98	10.27	2.56	1.13	0.76	1.68	6.21
13	5.82	1.28	1.83	2.09	4.02	9.71	9.95	2.28	1.11	0.80	1.51	5.73
14	5.65	1.34	1.92	2.02	2.88	9.60	9.76	2.01	1.16	0.80	1.67	4.52
15	5.43	1.36	1.95	1.97	2.45	10.05	9.50	1.77	1.33	0.81	2.38	3.44
16	4.79	1.32	1.94	1.98	2.45	9.94	9.16	1.53	1.09	0.93	3.55	2.80
17	4.04	1.24	1.96	1.92	3.10	9.65	8.95	1.34	0.96	1.30	2.61	2.24
18	3.69	1.17	1.96	1.88	4.71	9.32	8.52	1.21	0.77	1.50	1.89	1.72
19	6.90	1.12	1.98	1.84	9.91	8.95	7.67	1.37	0.72	1.32	1.56	1.58
20	7.92	1.17	2.02	1.81	10.44	8.46	8.68	1.25	0.84	1.18	1.34	1.41
21	7.90	1.55	2.06	1.79	10.52	7.74	9.27	0.96	0.93	0.98	1.20	1.18
22	7.09	1.91	2.56	1.76	10.91	6.81	8.85	0.88	1.21	0.79	1.21	0.87
23	5.94	1.61	5.89	1.72	10.65	5.98	8.67	0.99	1.32	0.68	2.14	0.40
24	4.88	1.35	6.35	1.76	10.33	5.21	9.14	1.06	1.27	0.42	1.92	0.08
25	4.06	1.25	5.11	1.76	9.98	4.70	8.70	1.06	1.03	0.28	1.47	0.00
26	3.57	1.26	3.83	1.76	9.62		7.94	1.00	0.92	0.23	1.41	0.06
27	3.27	1.35	3.11	1.74	9.25	4.63	6.93	0.91	0.84	0.32	1.42	0.02
28	3.01	1.39	2.85	1.76	8.86	9.54	5.88	0.97	0.82	0.24	1.30	0.18
29	2.80	-----	3.35	1.91	8.37		5.16	1.74	0.93	0.33	1.26	1.62
30	2.63	-----	5.47	1.81	7.64	11.66	4.70	1.42	1.19	0.49	1.01	7.30
31	2.49	-----	4.95	-----	6.56	-----	4.31	1.03	-----	0.51	-----	10.56

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.86	1.55	2.77	2.30	6.92	8.46	9.12	2.24	0.96	0.82	1.67	2.93
MAX	9.34	2.34	6.35	4.00	10.91	11.66	11.92	4.83	1.33	1.50	4.27	10.56
MIN	2.49	1.12	1.41	1.72	1.58	4.63	4.31	0.88	0.48	0.23	0.47	0.00
DAYS	31	28	31	30	31	27	29	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

THE MEAN STAGE FOR THE YEAR WAS 3.76.

HIGHEST STAGE WAS 11.97 AT 11:00 A.M. ON JUL 4.

LOWEST STAGE WAS MINUS 0.10 ON DEC 24.

DAILY STAGE FOR 1989

CHOCTAW BAYOU NEAR ROSEDALE, LA.

LOCATION. LAT. 30-28-36, LONG. 91-23-16. ON HIGHWAY 76 BRIDGE OVER BAYOU CHAPLIN, 4.6 MILES
NORTHEAST OF ROSEDALE, LA. (STA. 5239009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 19, 1965 TO DATE.

EXTREMES. HIGHEST, 13.81 FEET ON APR. 23, 1979. LOWEST, 0.28 FOOT ON JAN. 18, 1981.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.65	2.89	2.10	4.05	2.55	4.10	8.98	4.55	1.57	2.08	1.34	1.60
2	4.22	2.70	2.23	3.80	2.38	3.90	8.08	4.75	1.55	1.95	1.44	1.35
3	3.90	2.70	2.67	3.80	2.32	3.95	9.50	4.50	1.48	2.10	1.64	1.38
4	3.78	2.40	2.63	3.54	2.30	3.92	9.10	4.28	1.25	1.98	1.60	1.08
5	3.80	2.50	2.78	4.10	9.25	3.95	8.47	4.08	1.30	1.78	1.40	1.08
6	3.65	2.25	2.74	3.75	5.50	9.00	8.25	3.85	1.64	1.80	1.45	1.09
7	3.50	2.50	2.65	3.56	4.38	6.52	7.90	3.64	1.67	1.98	1.87	5.79
8	3.23	2.45	2.58	3.33	4.09	7.20	7.68	3.83	1.83	2.00	4.71	7.75
9	3.04	2.15	2.49	3.20	3.85	6.58	7.39	3.60	1.92	2.10	3.76	5.22
10	3.12	2.04	2.37	2.97	3.67	5.94	7.20	3.39	1.91	1.71	3.18	4.69
11	3.32	1.92	2.40	2.85	3.59	6.17	6.95	3.10	2.05	1.77	2.71	4.49
12	3.36	1.90	2.35	2.90	3.35	5.69	6.80	3.10	2.04	1.71	2.49	4.22
13	3.51	1.80	2.40	2.70	3.18	5.45	6.58	2.79	1.99	2.10	2.37	3.98
14	3.55	1.95	2.45	2.70	2.95	5.29	6.58	2.59	1.99	1.70	2.39	3.59
15	4.00	2.00	2.52	2.52	2.80	6.61	6.49	2.38	2.30	1.70	2.95	3.39
16	3.66	1.99	2.53	2.52	3.15	5.94	6.24	2.15	2.04	2.20	3.59	3.02
17	3.56	1.90	2.56	2.50	2.92	5.66	6.14	1.91	1.90	2.00	2.99	2.55
18	3.38	1.87	2.57	2.42	2.78	5.48	6.08	1.80	1.68 F	2.45	2.59	2.29
19	4.53	1.83	2.70	2.50	11.28	5.25	5.85	1.75	1.60	2.18	2.40	1.78
20	4.45	1.70	2.62	2.49	8.50	5.17	6.76	1.60	1.90	2.20	2.22	1.62
21	4.53	1.90	2.69	2.45	6.05	5.02	6.09	1.47	2.17	1.98	2.08	1.53
22	4.40	2.10	2.70	2.65	6.65	4.90	5.80	1.51	2.15	1.70	1.91	1.10
23	4.14	2.00	3.96	2.39	6.10	4.78	5.56	1.62	2.22	1.57	2.84 F	0.69
24	3.95	1.90	3.56	2.62	5.85	4.62	6.04	1.71	2.35	1.34	2.42	
25	3.78	2.00	3.46	2.48	5.56	4.35	6.10	1.70	1.95	1.18	2.28 F	0.63
26	3.80	2.00	3.35	2.43	5.28	4.37	5.72	1.68	1.95	1.09	2.30	0.70
27	3.47	2.05	3.29	2.49	5.04	4.10	5.51	1.64	2.17	1.30	2.50	0.60
28	3.45	2.07	3.25	2.43	4.90	9.70	5.20	1.60	1.68	1.13	2.11	0.79
29	3.14	-----	3.20	2.49	4.69	12.19	5.08	1.79	1.75	1.20	2.02	0.95
30	3.05	-----	5.30	2.45	4.52	10.90	4.85	1.74	2.15	1.37	1.89	4.62
31	3.10	-----	4.19	-----	4.25	-----	4.72	1.62	-----	1.35	-----	4.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.74	2.12	2.88	2.90	4.63	5.89	6.70	2.64	1.87	1.76	2.38	2.61
MAX	5.65	2.89	5.30	4.10	11.28	12.19	9.50	4.75	2.35	2.45	4.71	7.75
MIN	3.04	1.70	2.10	2.39	2.30	3.90	4.72	1.47	1.25	1.09	1.34	0.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.36.

HIGHEST STAGE WAS 12.24 AT 6:30 A.M. ON JUN 29.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 0.45 ON DEC 25.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT PORT ALLEN LOCK (LA.)

LOCATION. LAT. 30-25-55, LONG. 91-12-37. ON WEST END OF LOCK (MORGAN CITY-PORT ALLEN ROUTE),
1.5 MILES SOUTH OF PORT ALLEN, LA. (STA. 5241509.)

GAGE, AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 0.52 FOOT, NGVD.

RECORDS AVAILABLE. JULY 14, 1961 TO DATE.

EXTREMES. HIGHEST, 9.65 FEET ON APR. 13, 1980. LOWEST, 0.25 FOOT ON DEC. 24, 1989.
EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.73	2.60	2.35	4.10	2.35	4.10	7.80	4.55	1.55	2.05	1.25	1.50
2	3.75	2.65	2.50	4.09	2.30	4.10	7.50	4.60	1.48	2.00	1.50	1.40
3	3.70	2.65	2.85	3.85	2.20	3.95	7.70	4.45	1.36	2.45	1.60	1.25
4	3.75	2.70	2.77	3.65	2.45	4.13	7.70	4.25	1.20	1.90	1.55	1.03
5	3.75	2.40	2.90	3.90	4.37	3.85	7.90	4.05	1.28	1.72	1.35	1.00
6	3.65	2.35	3.20	3.95	3.95	5.70	7.60	3.90	1.55	1.65	1.40	1.02
7	3.55	2.75	2.90	3.60	3.80	5.30	7.60	3.63	1.70	1.75	1.75	3.94
8	3.35	2.22	2.70	3.55	3.70	5.80	7.60	3.65	1.82	2.00	4.20	4.90
9	3.15	2.10	2.75	3.20	3.70	5.75	7.50	3.57	2.20	1.75	3.60	4.55
10	3.15	2.00	2.90	3.15	3.45	6.00	7.30	3.38	1.85	1.75	3.13	4.30
11	3.25	2.15	2.70	3.16	3.35	5.85	7.20	3.15	1.90	1.70	2.65	4.20
12	3.20	1.85	2.85	2.92	3.20	5.45	6.80	3.20	1.93	2.10	2.50	3.95
13	3.35	1.70	2.85	3.82	3.10	5.50	6.60	2.80	1.90	1.75	2.40	3.85
14	3.50	2.20	3.00	3.40	2.80	5.55	6.60	2.55	1.94	1.60	2.35	3.45
15	3.75	2.05	3.15	2.90	2.80	5.90	6.40	2.28	2.70	1.65	2.95	3.33
16	3.65	2.03	3.05	2.95	2.95	5.75	6.30	2.15	1.95	1.93	3.45	2.97
17	3.30	1.95	3.10	2.60	2.70	5.70	6.20	1.95	1.95	2.10	2.92	2.52
18	3.20	1.85	2.65	2.58	2.70	5.45	6.00	1.80	1.60	2.23	2.55	2.17
19	3.70	1.80	2.63	2.58	6.00	5.30	5.85	1.75	1.55	2.25	2.45	1.80
20	4.05	1.85	2.73	2.50	5.60	5.15	5.85	1.60	1.80	2.40	2.35	1.60
21	4.20	1.97	2.83	2.55	5.50	5.00	5.65	1.50	2.25	1.95	2.10	1.48
22	4.00	2.00	3.00	2.95	5.70	4.83	5.60	1.40	2.76	1.60	1.96	1.05
23	4.00	1.90	3.33	2.44	5.20	4.75	5.50	1.60	2.25	1.55	2.60	0.63
24	4.20	1.95	3.50	2.70	5.20	4.58	5.65	1.75	2.05	1.35	2.30	0.32
25	3.80	1.78	3.50	3.00	5.40	4.45	5.85	1.72	2.05	1.77	2.15	0.55
26	3.40	2.00	3.50	2.55	5.30	4.20	5.65	1.67	1.80	1.15	2.24	0.57
27	3.50	2.02	3.43	2.40	5.10	4.15	5.35	1.65	1.75	1.30	2.35	0.50
28	3.50	2.00	3.35	2.40	5.20	7.30	5.15	1.58	1.70	0.95	2.03	0.80
29	3.30	-----	3.25	2.35	4.60 F	7.97	4.90	1.72	1.70	1.14	1.98	0.90
30	3.00	----- F	4.35	2.40	4.60	7.82	4.75	1.68	2.10	1.25	1.95	2.75
31	2.65	-----	4.70	-----	4.80	-----	4.50	1.60	-----	1.40	-----	4.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.55	2.12	3.07	3.07	4.00	5.31	6.40	2.62	1.85	1.75	2.32	2.21
MAX	4.20	2.95	4.70	4.10	6.00	7.97	7.90	4.60	2.76	2.45	4.20	4.90
MIN	2.65	1.70	2.35	2.35	2.20	3.85	4.50	1.40	1.20	0.95	1.25	0.32
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.95.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 7.97 AT 8:45 A.M. ON JUN 29.

LOWEST STAGE WAS 0.25 ON DEC 24.

DAILY STAGE FOR 1989
INTRACOASTAL WATERWAY AT MORLEY, LA.

LOCATION. LAT. 30-23-42, LONG. 91-19-23. ON SOUTHEAST GUIDE WALL OF RAILROAD BRIDGE.
(STA. 5244109.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 1966 TO DATE. FOR RECORDS, 1941 TO 1942 AND 1953 TO 1967, REFER TO GAGE
ON CHOCTAN BAYOU AT MORLEY.

EXTREMES. HIGHEST, 10.41 FEET ON APR. 14, 1980. LOWEST, 0.95 FOOT ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.44	3.79	2.94	4.73	3.32	4.86	8.39	5.22	2.14	2.94	2.12	2.30
2	4.44	3.64	2.99	4.89	3.16	4.99	8.15	5.44	2.34	2.76	2.24	2.14
3	4.44	3.44	3.29	4.49	3.32	4.72	8.31	5.23	2.19	2.89	2.45	2.05
4	4.54	3.24	3.36	4.54	3.14	4.69	8.36	5.01	2.11	2.64	2.25	1.90
5	4.34	3.24	3.42	4.59	5.24	4.64	8.31	4.76	2.14	2.54	2.20	1.72
6	4.24	3.06	3.49	4.44	4.84	6.39	8.19	4.59	2.39	2.44	2.23	1.90
7	4.14	3.34	3.44	4.24	4.82	6.29	8.17	4.35	2.49	2.76	2.50	4.64
8	3.96	3.04	3.34	4.24	4.77	5.85	8.02	4.44	2.59	2.76	4.95	5.61
9	3.76	2.89	3.24	3.94	4.58	5.83	7.90	4.77	2.59	2.66	4.35	5.31
10	3.72	2.79	3.29	3.84	4.37	5.94	7.74	4.09	2.66	2.49	3.90	5.05
11	3.82	2.69	3.29	4.04	4.46	5.91	7.61	3.87	2.73	2.64	3.45	5.05
12	3.86	2.64	3.31	3.64	4.06	6.09	7.45	3.84	2.79	2.86	3.30	4.79
13	3.92	2.69	3.29	3.49	3.93	6.16	7.26	3.53	2.84	2.49	3.15	4.58
14	3.99	2.74	3.39	3.49	3.76	6.14	7.19	3.31	2.70	2.44	3.17	4.22
15	4.44	2.79	3.39	3.44	3.74	6.72	7.34	2.86	3.04	2.44	3.70	4.04
16	4.29	2.79	3.40	3.44	3.79	6.64	6.97	2.64	2.76	2.63	4.17	3.70
17	4.17	2.74	3.44	3.39	3.64	6.41	6.99	2.47	2.62	2.94	3.64	3.24
18	4.04	2.64	3.46	3.36	3.66	6.39	6.76	2.44	2.54	3.06	3.29	2.93
19	4.64	2.65	3.49	3.33	6.90	6.24	6.59	2.26	2.32	2.94	3.07	2.55
20	5.09	2.63	3.51	3.64	6.55	6.19	6.69	2.44	2.44	2.84	2.91	2.40
21	4.94	2.84	3.57	3.62	6.19	5.89	6.59 F	2.03	2.87	2.56	2.80	2.25
22	4.89	2.86	3.63	3.34	6.42	5.66	6.44	3.14	2.39	2.72	2.72	1.87
23	4.81	2.94	4.19	3.22	6.34	5.59	6.29	2.16	3.03	2.74	3.30	1.35
24	4.64	2.78	4.21	3.09	6.24	5.39	6.54	2.27	3.14	2.09	3.05	1.08
25	4.49	2.79	4.44	3.32	6.15	5.44	6.69	2.28	2.79	1.98	2.87	1.25
26	4.35	2.66	4.19	3.26	6.02	5.09	6.43	2.24	2.62	1.81	2.99	1.35
27	4.24	2.79	4.09	3.23	5.84	5.19	6.26	2.76	2.04	2.04	3.05	1.25
28	4.04	2.89	4.02	3.25	5.72	7.69	6.04	2.44	1.83	2.83	2.83	1.55
29	3.88	-----	3.97	3.39	5.64	9.00	5.82	2.31	2.64	1.97	2.72	1.67
30	3.79	-----	5.24	3.29	5.39	8.76	5.59	2.26	2.89	2.31	2.52	3.35
31	3.69	-----	5.14	-----	5.09	-----	5.44	2.22	-----	2.19	-----	4.89

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.26	2.93	3.66	3.74	4.87	6.03	7.11	3.42	2.62	2.52	3.06	2.97
MAX	5.09	3.79	5.24	4.89	6.90	9.00	8.39	5.44	3.14	3.06	4.95	5.61
MIN	3.69	2.63	2.94	3.09	3.14	4.64	5.44	2.03	2.11	1.81	2.12	1.08
DAYS	31	28	31	30	31	30	31	27	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361
F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.95.

HIGHEST STAGE WAS 9.14 AT 7:15 A.M. ON JUN 29.

LOWEST STAGE WAS 0.95 ON DEC 24.

DAILY STAGE FOR 1989

LOWER GRAND RIVER AT BAYOU SORREL LOCK (LA.)

LOCATION. LAT. 30-07-55, LONG. 91-19-22. IN NORTH APPROACH CHANNEL (1MW, MORGAN CITY-PORT ALLEN ROUTE), 1.9 MILES SOUTH OF BAYOU SORREL, LA. (STA. 5256009.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. SUBTRACT 0.3 FROM STAGES PRIOR TO 1955.

RECORDS AVAILABLE. DAILY, JAN. 2 TO DEC. 31, 1947, AND JAN. 2, 1951 TO DATE. INTERMITTENTLY, 1948 TO 1950. FOR RECORDS 1939 TO 1946, REFER TO GAGE LOWER GRAND RIVER AT JUNCTION BAYOU SORREL.

EXTREMES. HIGHEST, 7.90 FEET ON APR. 15 AND 16, 1980. LOWEST, MINUS 0.30 FOOT (PRESENT DATUM) ON OCT. 9, 1952.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.5 G	3.0 G	2.3 G	4.4 G	2.7 G	4.5 G	7.3 G	4.7 G	1.7 G	2.3 G	1.5 G	1.8
2	3.7 G	2.9 G	2.3 G	4.4 G	2.7 G	4.3 G	7.2 G	4.7 G	1.7 G	2.1 G	1.7 G	1.6
3	3.7 G	2.9 G	2.3 G	4.4 G	2.7 G	4.3 G	7.3 G	4.6 G	1.7 G	2.2 G	1.9 G	1.5
4	3.7 G	2.8 G	2.3 G	3.8 G	2.7 G	4.2 G	7.4 G	4.5 G	1.5 G	2.2 G	1.9 G	1.4
5	3.7 G	2.8 G	2.8 G	3.9 G	2.7 G	4.2 G	7.4 G	4.3 G	1.6 G	2.1 G	1.8 G	1.2
6	3.6 G	2.7 G	2.8 G	3.9 G	4.0 G	4.5 G	7.3 G	4.2 G	1.7 G	1.9 G	1.7 G	1.3
7	3.5 G	2.7 G	2.8 G	3.8 G	4.0 G	5.2 G	7.3 G	3.8 G	2.1 G	2.0 G	1.9 G	3.2
8	3.5 G	2.5 G	2.8 G	3.7 G	4.0 G	5.2 G	7.3 G	3.8 G	2.1 G	2.0 G	3.8 G	4.3
9	3.2 G	2.5 G	2.8 G	3.6 G	3.9 G	5.7 G	7.2 G	3.8 G	2.1 G	2.1	3.7 G	4.5
10	3.2 G	2.3 G	2.8 G	3.5 G	3.9 G	5.7 G	7.1 G	3.6 G	2.2 G	2.0	3.8	4.5
11	3.3 G	2.3 G	2.8 G	3.5 G	3.9 G	5.7 G	6.9 G	3.4 G	2.2 G	2.0	3.0	4.4
12	3.3 G	2.3 G	2.8 G	3.5 G	3.5 G	5.6 G	6.7 G	3.3 G	2.2 G	1.9	2.7	4.3
13	3.3 G	2.3 G	2.8 G	3.0 G	3.5 G	5.5 G	6.5 G	3.0 G	2.2 G	1.9	2.5	4.0
14	3.4 G	2.1 G	2.8 G	3.0 G	3.3 G	5.3 G	6.5 G	2.9 G	2.2 G	1.9 G	2.5	3.8
15	3.8 G	2.3 G	3.0 G	3.0 G	3.1 G	5.7 G	6.5 G	2.6 G	2.2 G	1.9	3.1	3.5
16	3.8 G	2.3 G	3.0 G	3.0 G	3.1 G	5.7 G	6.4 G	2.4 G	2.2 G	1.9	3.5	3.5
17	3.6 G	2.3 G	3.0 G	3.0 G	3.1 G	5.6 G	6.1 G	2.2 G	2.2 G	2.1	3.2 G	3.5
18	3.6 G	2.2 G	3.0 G	3.0 G	3.0 G	5.5 G	6.1 G	2.1 G	2.0 G	2.7	2.9 G	2.5
19	3.9 G	2.1 G	3.0 G	2.8 G	4.5 G	5.5 G	6.0 G	2.1 G	2.0 G	2.6	2.7	2.0
20	4.0 G	2.0 G	3.0 G	2.8 G	5.2 G	5.4 G	5.9 G	1.8 G	2.0 G	2.3	2.6	1.9
21	4.3 G	2.2 G	3.0 G	2.8 G	5.3 G	5.3 G	5.9 G	1.8 G	1.9 G	2.1	2.5	1.8
22	4.3 G	2.3 G	3.0 G	2.8 G	5.3 G	5.3 G	5.8 G	1.7 G	2.3 G	1.9	2.2	0.9
23	4.3 G	2.3 G	3.2 G	2.8 G	5.4 G	5.0 G	5.7 G	1.9 G	2.3 G	1.9	2.5	0.9
24	4.1 G	2.2 G	3.2 G	2.8 G	5.4 G	4.9 G	5.8 G	2.0 G	2.3 G	1.6	2.5	0.9
25	4.1 G	2.2 G	3.5 G	2.7 G	5.4 G	4.6 G	5.8 G	2.0 G	2.3 G	1.6	2.4	0.8
26	3.9 G	2.2 G	3.5 G	2.8 G	5.1 G	4.5 G	5.8 G	2.0 G	2.3 G	1.6	2.3 G	0.8
27	3.7 G	2.2 G	3.6 G	2.8 G	5.1 G	4.4 G	5.7 G	2.0 G	2.9 G	1.4 G	2.4 G	0.8
28	3.5 G	2.2 G	3.4 G	2.8 G	5.0 G	4.4 G	5.4 G	1.9 G	1.9 G	1.4 G	2.3 G	0.8
29	3.4	----- G	3.4 G	2.8 G	4.7 G	6.5 G	5.2 G	1.9 G	1.9 G	1.4 G	2.3 G	1.1
30	3.3	----- G	3.4 G	2.7 G	4.7 G	7.1 G	5.0 G	1.9 G	2.5 G	1.5 G	2.1 G	2.2
31	3.2	----- G	4.4	----- G	4.5	----- G	4.9 G	1.7	----- G	1.6	----- G	2.9

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.7	2.4	3.0	3.3	4.0	5.2	6.4	2.9	2.1	1.9	2.5	2.3
MAX	4.3	3.0	4.4	4.4	5.4	7.1	7.4	4.7	2.9	2.7	3.8	4.5
MIN	3.2	2.0	2.3	2.7	2.7	4.2	4.9	1.7	1.5	1.4	1.5	0.8
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 3.3.

HIGHEST STAGE WAS 7.4 AT 8:00 A.M. ON JUL 4 AND LATER DATE(S).

LOWEST STAGE WAS 0.8 ON DEC 25 AND LATER DATE(S).

DAILY STAGE FOR 1989

BELLE RIVER NEAR PIERRE PASS, LA.

LOCATION. LAT. 29-54-28, LONG. 91-12-59. ON RIGHT BANK, 100 FEET SOUTH OF HIGHWAY 70 BRIDGE,
3.5 MILES SOUTH OF PIERRE PASS, LA. (STA. 5264010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 29, 1955 TO DATE.

EXTREMES. HIGHEST, 5.10 FEET (CAUSED BY HURRICANE) ON NOV. 1, 1985. LOWEST, MINUS 0.30 FOOT ON
JAN. 13 AND 14, 1956 AND DEC. 23, 1989 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.4	2.2	2.1	3.0	2.4	2.7	3.3	2.7	1.5	1.7	1.3	1.6
2	1.4	2.2	2.1	2.9	2.5	2.7	3.3	2.7	1.4	1.7	1.4	1.4
3	1.5	2.1	2.2	2.9	2.6	2.8	3.4	2.7	1.5	1.7	1.5	1.1
4	1.6	2.1	2.2	2.8	2.7	2.8	3.6	2.7	1.6	1.7	1.6	1.2
5	1.7	2.0	2.3	2.8	2.8	2.8	3.6	2.7	1.6	1.7	1.6	1.3
6	1.7	1.9	2.4	2.7	2.8	3.1	3.5	2.7	1.7	1.7	1.6	1.4
7	1.8	1.8	2.4	2.6	2.7	3.1	3.5	2.5	1.7	1.8	1.6	1.5
8	1.8	1.7	2.4	2.5	2.6	3.1	3.5	2.3	1.7	1.8	1.5	1.6
9	1.8	1.6	2.5	2.4	2.5	3.0	3.4	2.2	1.7	1.8	1.5	1.7
10	1.8	1.6	2.5	2.4	2.4	3.0	3.3	2.1	1.8	1.8	1.4	1.6
11	1.9	1.6	2.5	2.4	2.3	2.9	3.3	2.0	1.8	1.8	1.3	1.5
12	1.9	1.7	2.5	2.5	2.3	2.9	3.3	1.9	1.9	1.8	1.3	1.3
13	1.9	1.7	2.6	2.6	2.2	2.9	3.3	1.8	1.9	1.9	1.4	1.2
14	1.9	1.7	2.6	2.7	2.3	2.9	3.5	1.7	1.9	1.9	1.6	1.2
15	1.9	1.6	2.6	2.8	2.3	3.1	3.5	1.7	1.8	1.9	1.6	1.1
16	2.0	1.7	2.6	2.8	2.4	3.0	3.4	1.6	1.7	1.9	1.7	1.0
17	2.0	1.7	2.7	2.8	2.6	3.0	3.4	1.6	1.8	1.9	1.4	1.0
18	2.0	1.8	2.7	2.7	2.8	3.0	3.3	1.5	1.8	1.8	1.4	1.0
19	2.1	1.8	2.8	2.7	2.8	2.9	3.3	1.5	1.9	1.6	1.4	0.9
20	2.1	1.9	2.8	2.6	2.8	2.9	3.2	1.5	1.9	1.4	1.4	0.8
21	2.1	2.0	2.8	2.6	2.8	2.8	3.1	1.6	1.8	1.3	1.5	0.8
22	2.2	2.0	2.9	2.6	2.7	2.8	3.0	1.6	1.8	1.4	1.6	0.6
23	2.2	1.9	2.9	2.6	2.6	2.7	2.9	1.7	1.7	1.4	1.4	-0.3
24	2.2	1.9	3.0	2.6	2.6	2.7	2.8	1.7	1.6	1.3	1.2	-0.3
25	2.2	1.9	3.0	2.6	2.5	2.7	2.8	1.7	1.5	1.3	1.3	0.0
26	2.3	1.9	3.0	2.6	2.5	2.8	2.8	1.7	1.5	1.2	1.4	0.4
27	2.3	2.0	3.0	2.5	2.6	2.8	2.7	1.6	1.5	1.2	1.4	0.6
28	2.4	2.0	3.1	2.5	2.6	3.2	2.7	1.6	1.6	1.2	1.4	0.8
29	2.4	-----	3.1	2.4	2.6	3.2	2.7	1.6	1.7	1.2	1.5	1.0
30	2.3	-----	3.0	2.3	2.6	3.2	2.7	1.5	1.7	1.3	1.5	1.2
31	2.3	-----	3.0	-----	2.6	-----	2.7	1.5	-----	1.3	-----	1.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.0	1.9	2.7	2.6	2.6	2.9	3.2	1.9	1.7	1.6	1.5	1.0
MAX	2.4	2.2	3.1	3.0	2.8	3.2	3.6	2.7	1.9	1.9	1.7	1.7
MIN	1.4	1.6	2.1	2.3	2.2	2.7	2.7	1.5	1.4	1.2	1.2	-0.3
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.1.

HIGHEST STAGE WAS 3.6 AT 8:00 A.M. ON JUL 4 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 0.3 ON DEC 23 AND LATER DATE(S).

DAILY STAGE FOR 1989

PIERRE PASS AT PIERRE PART, LA.

LOCATION. LAT. 29-57-50, LONG. 91-12-32. ABOUT 30 FEET DOWNSTREAM FROM HIGHWAY 70 BRIDGE.
(STA. 5268010.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1976 STATION WAS REFERRED TO AS PIERRE PASS AT PIERRE PASS, LA.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1939, 1944 TO 1947, 1949 TO 1950, AND 1953. DAILY,
AUG. 3, 1955 TO DATE.

EXTREMES. (SINCE 1944) HIGHEST, 5.00 FEET ON APR. 19 AND LATER DATES IN 1973. LOWEST, MINUS 1.2
FEET ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.1	2.0	1.8	2.5	2.2	2.2	3.1	2.6	1.3	1.4	1.0	0.3
2	1.1	2.0	1.9	2.5	2.2	2.3	3.1	2.6	1.2	1.5	1.2	0.7
3	1.2	2.0	2.0	2.6	2.1	2.4	3.2	2.6	1.2	1.5	0.9	0.5
4	1.2	1.8	2.1	2.7	2.2	2.5	3.3	2.5	1.1	1.5	1.0	0.4
5	1.4	1.7	2.1	2.6	2.2	2.5	3.3	2.4	1.1	1.4	1.1	0.6
6	1.5	1.6	2.0	2.5	2.2	2.6	3.3	2.2	1.3	1.5	1.2	0.7
7	1.5	1.5	2.0	2.5	2.1	2.5	3.3	2.1	1.4	1.4	1.3	1.1
8	1.6	1.4	2.0	2.5	2.0	2.7	3.2	2.0	1.5	1.4	1.6	1.1
9	1.4	0.8	2.0	2.5	2.1	2.8	3.2	1.8	1.5	1.2	1.5	0.9
10	1.3	0.7	2.0	2.3	2.0	2.7	3.1	1.6	1.5	1.1	1.4	0.9
11	1.5	1.0	2.0	2.1	1.9	2.7	3.1	1.5	1.6	1.3	1.4	1.3
12	1.5	1.3	2.1	2.2	1.8	2.6	3.0	1.5	1.6	1.3	1.3	1.0
13	1.4	1.5	2.2	2.2	1.8	2.5	3.0	1.4	1.5	1.4	1.4	0.8
14	1.5	1.6	2.3	2.2	2.0	2.6	3.2	1.4	1.5	1.4	1.6	0.9
15	1.5	1.7	2.4	2.3	2.0	2.7	3.2	1.5	1.5	1.5	1.6	1.0
16	1.4	1.6	2.4	2.2	1.9	2.7	3.1	1.4	1.4	1.7	1.7	0.6
17	1.4	1.5	2.4	2.3	1.9	2.6	3.0	1.4	1.3	1.7	1.6	0.5
18	1.5	1.4	2.5	2.3	2.0	2.5	3.0	1.4	1.3	1.7	1.4	0.5
19	1.5	1.4	2.4	2.3	2.1	2.4	2.9	1.3	1.3	1.2	1.1	0.5
20	1.6	1.5	2.5	2.2	2.3	2.5	2.9	1.2	1.4	0.9	1.0	0.4
21	1.5	1.5	2.5	2.2	2.3	2.4	2.8	1.2	1.4	0.9	0.9	0.3
22	1.6	1.3	2.4	2.2	2.3	2.4	2.8	1.3	1.4	1.0	1.0 E	-0.2
23	1.7	1.3	2.4	2.2	2.3	2.4	2.7	1.4	1.3	1.0	0.8 E	-0.8
24	1.8	1.2	2.5	2.3	2.3	2.5	2.8	1.4	1.0	1.0	0.7 E	-1.0
25	1.8	1.4	2.5	2.3	2.4	2.5	2.7	1.4	0.8	0.8	0.8 E	-1.2
26	1.8	1.5	2.6	2.3	2.4	2.5	2.7	1.3	1.0	0.8	1.0	0.1
27	1.8	1.6	2.6	2.3	2.4	2.6	2.6	1.2	1.1	0.8	1.2	0.1
28	1.8	1.7	2.6	2.3	2.3	2.9	2.5	1.2	1.2	0.9	1.4	0.3
29	1.9	-----	2.8	2.3	2.2	3.0	2.5	1.2	1.3	1.0	0.9	0.4
30	1.9	-----	2.7	2.3	2.2	3.0	2.5	1.2	1.3	1.1	0.6	0.7
31	1.9	-----	2.6	-----	2.2	-----	2.4	1.2	-----	1.1	-----	1.2

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.5	1.5	2.3	2.3	2.1	2.6	3.0	1.6	1.3	1.2	1.2	0.5
MAX	1.9	2.0	2.8	2.7	2.4	3.0	3.3	2.6	1.6	1.7	1.7	1.3
MIN	1.1	0.7	1.8	2.1	1.8	2.2	2.4	1.2	0.8	0.8	0.6	-1.2
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 1.8.

HIGHEST STAGE WAS 3.3 AT 8:00 A.M. ON JUL 4 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 1.2 ON DEC 25.

DAILY STAGE FOR 1989

LAKE VERRET AT ATTAKAPAS LANDING, LA.

LOCATION. LAT. 29-50-58, LONG. 91-06-09. AT ATTAKAPAS BOAT RAMP, IN LOWER PART OF LAKE,
7.7 MILES SOUTHWEST OF NAPOLEONVILLE, LA. (STA. 5272010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. DAILY, JUNE 15, 1932 TO JULY 25, 1933, AND AUG. 22, 1955 TO DATE.
INTERMITTENTLY, 1939, 1944 TO 1947 AND 1949 TO 1950.

EXTREMES. (SINCE 1944) HIGHEST, 5.20 FEET ON APR. 21, 1973. LOWEST, MINUS 0.3 FOOT ON JAN. 14,
1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1987 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		2.10	1.95	2.65	2.35	2.35	3.10	2.50	1.30	1.50	1.20	0.70
2		2.10	2.10	2.60	2.20	2.40	3.10	2.75	1.35	1.65	1.40	1.00
3		2.10	2.10	2.70	2.15	2.50	3.20	2.65	1.20	1.50	1.00	0.80
4	1.30	2.00	2.20	2.75	2.20	2.55	3.40	2.50	1.20	1.55	1.10	0.50
5	1.50	1.90	2.40	2.80	2.40	2.60	3.35	2.40	1.40	1.50	1.20	0.70
6	1.60	1.80	2.30	2.60	2.30	2.70	3.30	2.25	1.40	1.60	1.30	0.80
7	1.60	1.70	2.20	2.55	2.20	2.70	3.30	2.10	1.40	1.60	1.40	1.00
8	1.70	1.50	2.20	2.50	2.00	2.70	3.25	2.00	1.60	1.50	1.70	1.50
9	1.70	1.40	2.20	2.55	2.10	2.90	3.15	1.80	1.60	1.30	1.70	1.00
10	1.50	1.30	2.25	2.40	2.05	2.80	3.10	1.70	1.50	1.30	1.60	1.00
11	1.60	1.50	2.30	2.30	1.90	2.70	3.10	1.70	1.55	1.40	1.50	1.30
12	1.60	1.50	2.30	2.30	1.85	2.70	3.10	1.60	1.55	1.50	1.40	1.30
13	1.60	1.60	2.35	2.30	1.80	2.60	3.00	1.50	1.60	1.50	1.50	0.90
14	1.50	1.70	2.40	2.35	1.70	2.55	3.30	1.50	1.70	1.40	1.70	0.90
15	1.60	1.80	2.50	2.40	1.90	2.90	3.20	1.50	1.70	1.50	1.90	0.90
16	1.60	1.80	2.50	2.40	1.90	2.75	3.20	1.50	1.50	1.50	1.80	0.50
17	1.50	1.70	2.50	2.40	1.95	2.60	3.10	1.50	1.40	1.80	1.30	0.50
18	1.50	1.60	2.60	2.40	2.00	2.50	3.05	1.40	1.40	1.90	1.30	0.60
19	1.60	1.50	2.60	2.40	2.35	2.50	3.00	1.30	1.50	1.40	1.20	0.80
20	1.80	1.60	2.55	2.30	2.40	2.50	2.90	1.30	1.50	1.00	1.10	0.40
21	1.60	1.80	2.65	2.30	2.40	2.50	2.85	1.30	1.50	0.90	1.00	0.30
22	1.70	1.70	2.60	2.30	2.40	2.47	2.75	1.40	1.50	1.00	1.00	0.00
23	1.80	1.30	2.60	2.30	2.40	2.50	2.80	1.60	1.40	0.90	1.10	0.00
24	1.90	1.30	2.60	2.35	2.40	2.50	2.90	1.50	1.20	1.00	0.80	0.00
25	2.00	1.50	2.60	2.35	2.40	2.60	2.80	1.50	1.05	0.90	1.00	0.00
26	2.00	1.60	2.60	2.40	2.50	2.55	2.75	1.50	1.20	0.90	1.20	0.00
27	2.00	1.70	2.70	2.40	2.50	2.60	2.65	1.35	1.30	0.90	1.30	0.00
28	1.90	1.90	2.70	2.40	2.40	2.70	2.60	1.35	1.40	0.90	1.70	0.10
29	2.00	-----	2.80	2.40	2.30	3.00	2.55	1.30	1.50	1.20	1.30	0.20
30	2.10	-----	2.90	2.35	2.25	3.00	2.60	1.30	1.40	1.30	1.00	0.80
31	2.10	-----	2.85	-----	2.25	-----	2.50	1.40	-----	1.35	-----	1.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.71	1.68	2.45	2.44	2.19	2.63	3.00	1.71	1.43	1.33	1.32	0.65
MAX	2.10	2.10	2.90	2.80	2.50	3.00	3.40	2.75	1.70	1.90	1.90	1.80
MIN	1.30	1.30	1.95	2.30	1.70	2.35	2.50	1.30	1.05	0.90	0.80	0.00
DAYS	28	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362
THE MEAN STAGE FOR THE YEAR WAS 1.88.
HIGHEST STAGE WAS 3.40 AT 8:00 A.M. ON JUL 4.
LOWEST STAGE WAS 0.00 ON DEC 22 AND LATER DATE(S).

DAILY STAGE FOR 1989

LAKE PALOURDE NEAR MORGAN CITY, LA.

LOCATION. LAT. 29-43-13, LONG. 91-11-16. APPROXIMATELY 1.5 MILES NORTH OF MORGAN CITY AND 75 FEET EAST OF LA. HIGHWAY 70 IN LAKE PALOURDE. (STA. 5275010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 1974 TO DATE.

EXTREMES. HIGHEST, 4.23 FEET ON APR. 30, 1975. LOWEST, MINUS 0.50 FOOT ON DEC. 27, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVL (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.57	2.50	2.51	3.23	2.80		3.44	3.14	1.94		1.65	1.25
2	1.52	2.51	2.62	3.19	2.71		3.52	3.14	1.85		1.86	1.30
3	1.59	2.51	2.67	3.17	2.72		3.50	2.99	1.72		1.51	1.21
4	1.58	2.44	2.79	3.21	2.69		3.66	2.88	1.75		1.61	0.92
5	1.71	2.35	2.76	3.25	2.61		3.63	2.75	1.88		1.76	0.92
6	1.99	2.36	2.80	2.97			3.59	2.58	2.09		1.80	
7	1.95	2.15	2.79	3.01		3.08	3.56	2.43	2.14		1.77	1.41
8	2.14	2.07	2.77	2.89		3.06	3.54	2.37	2.15		2.00	1.69
9	2.01	1.84		3.02		3.26	3.52	2.23	2.19		1.95	
10	1.94	1.76	2.76	2.95		3.14	3.55	2.29	2.11		1.74	
11	2.03	1.96	2.80	2.86		3.08	3.55	2.20	2.13		1.76	1.56
12	1.99	1.93	2.82	2.83		3.05	3.51	2.20	2.18		1.79	1.61
13	2.07	2.08	2.83	2.85		3.07	3.45	2.19	2.20		1.79	1.06
14	1.83	2.17	2.85	2.87		3.07	3.65	2.19	2.20		2.06	1.29
15	1.89	2.24	3.01	2.90		3.31	3.56	2.17	2.11		2.15	1.46
16	1.88	2.24	3.09	2.88		3.08	3.51	2.12	1.95		1.93	0.95
17	1.83	2.18	3.08	2.90		2.98	3.45	2.05	1.90		1.54	0.99
18	1.93	2.09	3.12	2.89		2.94	3.37		1.76		1.65	0.94
19	2.08	2.12	3.14	2.86		2.87	3.36	1.82	2.09		1.49	1.09
20	2.19	2.17	3.12	2.87		2.88	3.26	1.82	2.09		1.31	0.83
21	2.03	2.34	3.13	2.83		2.85	3.24	1.92	2.13		1.29	
22	2.19	2.12	3.20	2.82		2.87	3.10	2.01	2.09		1.31	
23	2.25	1.94	3.15	2.84		2.95	3.15	2.17	2.01		1.34	
24	2.34	1.99	3.16	2.84		3.00	3.17	2.11	1.62		1.08	
25	2.35	2.09	3.15	2.86		3.06	3.17	2.05	1.68		1.32	
26	2.38	2.17	3.13	2.87		3.08	3.14	2.06	1.88	1.48	1.30	
27	2.41	2.27	3.19	2.84		3.16	3.08	1.99	1.91	1.45	1.57	0.50
28	2.43	2.46	3.23	2.84		3.26	3.00	1.95	1.96	1.61	1.59	0.95
29	2.47	-----	3.19	2.87		3.48	2.98	1.91		1.66		1.03
30	2.47	-----	3.30	2.85		3.47	2.97	1.91		1.82	1.13	1.27
31	2.48	-----	3.31	-----		-----	2.99	1.95	-----	1.86	-----	1.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.05	2.18	2.98	2.94	2.71	3.09	3.36	2.25	2.00	1.65	1.62	1.18
MAX	2.48	2.51	3.31	3.25	2.80	3.48	3.66	3.14	2.20	1.86	2.15	1.79
MIN	1.52	1.76	2.51	2.82	2.61	2.85	2.97	1.82	1.62	1.45	1.08	0.50
DAYS	31	28	30	30	5	24	31	31	28	6	29	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 295

THE MEAN STAGE FOR THE YEAR WAS 2.38.

HIGHEST STAGE WAS 3.78 AT 2:00 P.M. ON JUL 4.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 0.20 ON DEC 26.

DAILY STAGE FOR 1989

BAYOU BOEUF AT AMELIA, LA.

LOCATION. LAT. 29-40-06, LONG. 91-05-50. JUST NORTH OF SOUTHERN PACIFIC RAILROAD AND U. S. HIGHWAY 90 BRIDGES (STA. 5280010.)

GAGE. AUTOMATIC RECOR. AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1942, 1944 TO 1954. DAILY, JAN. 12, 1955 TO DATE.

EXTREMES. HIGHEST, 4.90 FEET ON APR. 30, 1975. LOWEST, CHANNEL DRY ON JAN. 20, 1940.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1987 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.26	2.23	2.17		2.46	2.41	3.13	2.63	1.69	1.81	1.40	1.12
2	1.15	2.21	2.32		2.35	2.43	3.18	2.87	1.62	1.85	1.68	1.16
3	1.32	2.20	2.33		2.37	2.50	3.11	2.66	1.43	1.70	1.20	0.98
4	1.35	2.07	2.45		2.34	2.49	3.32	2.54	1.50	1.72	1.39	0.76
5	1.45	2.07	2.63		2.44	2.52	3.19	2.45	1.63	1.75	1.55	0.98
6	1.90	2.05	2.55		2.34	2.68	3.14	2.30	1.83	1.89	1.60	0.89
7	1.73	1.95	2.52		2.20	2.65	3.08	2.14	1.89	1.89	1.53	1.13
8	1.93	1.90	2.48 F	2.63	2.07	2.70	3.05	2.05	1.94	1.77	1.80	1.45
9	1.75	1.56	2.45	2.65	2.24	2.70	3.05	1.83	1.92	1.60	1.55	0.87
10	1.83	1.60	2.45	2.55	2.07	2.64	3.15	2.02	1.85	1.80	1.42	0.90
11	1.83	1.70	2.46	2.39	1.85	2.70	3.15		1.92	1.68	1.45	1.28
12	1.83	1.65	2.49	2.46	1.90	2.67	3.10		1.88	1.78	1.47	1.42
13	1.84	1.73	2.52	2.49	1.94	2.68	3.07		1.90	1.68	1.53	0.85
14	1.53	1.83	2.55	2.50	2.12	2.64	3.27		1.97	1.60	1.84	1.10
15	1.68	1.83	2.67	2.58	2.14	2.84	3.14		1.86	1.83	2.00	1.25
16	1.65	1.85	2.73	2.55	2.10	2.57	3.12		1.64	1.96	1.65	0.77
17	1.58	1.76	2.72	2.58	2.19	2.55	3.00		1.57	2.05	1.27	0.85
18	1.72	1.77	2.75	2.57	2.23	2.56	2.97		1.65	1.99	1.47	0.80
19	1.85	1.77	2.75	2.59	2.54	2.55	2.97		1.83	1.49	1.34	0.99
20	2.02	1.87	2.74	2.55	2.48	2.48	2.95		1.83	1.08	1.17	0.57
21	1.78	2.09	2.75	2.50	2.48	2.50	2.87	1.65	1.86	1.22	1.14	0.64
22	2.00	1.94	2.83	2.52	2.40	2.47	2.83	1.77	1.90	1.30	1.18	0.12
23	2.05		2.84	2.52	2.40	2.54	2.96	1.98	1.74	1.30	1.04 F	-0.55
24	2.11	1.70 F	2.78	2.53	2.35	2.60	2.84	1.90	1.35	1.25	0.82 F	-1.01
25	2.13 F	1.79		2.51	2.40	2.66	2.73	1.85	1.48	1.15	1.16	-0.26
26	2.15	1.92		2.50	2.49	2.70	2.75	1.82	1.64	1.18	1.26	0.13
27	2.18	1.95		2.46	2.45	2.82	2.79	1.79	1.62	1.13	1.37	0.32
28	2.13	2.13		2.47	2.39	2.96	2.71	1.71	1.67	1.32	1.65	0.48
29	2.20	-----		2.50	2.37	3.15	2.68	1.65	1.72	1.40	1.26	0.80
30	2.22	-----		2.44	2.39	3.15	2.55	1.66	1.65	1.52	0.92	1.05
31	2.18	-----		-----	2.42	-----	2.45	1.71	-----	1.63	-----	1.59

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.82	1.89	2.58	2.52	2.29	2.65	2.98	2.05	1.73	1.59	1.40	0.76
MAX	2.22	2.23	2.84	2.65	2.54	3.15	3.32	2.87	1.97	2.05	2.00	1.59
MIN	1.15	1.56	2.17	2.39	1.85	2.41	2.45	1.65	1.35	1.08	0.82	-1.01
DAYS	31	27	24	23	31	30	31	21	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 340

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.00.

HIGHEST STAGE WAS 3.48 AT 5.45 P.M. ON JUL 4.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 1.01 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU BLACK AT GIBSON, LA.

LOCATION. LAT. 29-41-13, LONG. 90-59-29. ABOUT 500 FEET SOUTH U.S. HIGHWAY 90 BRIDGE.
(STA. 5284010.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1935 TO 1942, AND 1946 TO 1965. DAILY, OCT. 1968
TO DATE.EXTREMES. HIGHEST, 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, 0.01 FOOT ON NOV. 20
AND 21, 1969.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.7	1.0	1.9	2.4	2.3	1.9	3.0	2.8	2.4	0.8	0.6	0.7
2	0.7	1.1	2.0	2.0	2.2	2.0	2.9	2.6	2.4	0.8	0.6	0.7
3	0.9	1.0	2.0	2.0	2.4	1.9	2.9	2.6	2.0	0.7	0.6	0.7
4	0.9	0.9	2.1	2.1	2.4	2.2	2.7	2.4	1.8	0.6	0.6	0.8
5	0.9	0.9	2.1	2.4	2.4	2.7	2.7	2.4	1.9	0.6	0.6	0.8
6	0.9	0.9	2.1	2.4	2.4	2.7	2.6	2.4	1.7	0.7	0.6	0.9
7	0.9	1.0	2.2	2.3	2.4	2.8	2.6	2.4	1.7	0.7	0.9	0.9
8	1.0	1.0	2.3	2.3	2.2	2.9	2.5	2.3	1.5	0.7	1.0	1.0
9	1.0	0.9	2.3	2.2	2.0	2.8	2.5	2.2	1.5	0.6	0.9	1.0
10	1.0	0.9	2.3	2.2	2.0	2.5	2.5	1.9	1.5	0.6	0.9	1.0
11	0.9	0.9	2.3	2.2	2.0	2.5	2.6	1.4	1.5	0.8	0.9	1.0
12	0.9	0.9	2.4	2.4	1.9	2.5	2.6	1.1	1.6	0.8	0.9	1.1
13	0.9	0.8	2.4	2.4	1.9	2.8	2.9	1.2	1.8	0.9	0.9	1.0
14	1.0	0.7	2.4	2.4	1.9	2.8	2.9	1.2	1.9	0.9	1.0	0.9
15	1.0	0.7	2.5	2.4	1.9	2.6	2.5	1.4	1.9	0.9	1.0	0.9
16	0.9	0.8	2.5	2.4	1.8	2.6	2.9	1.4	1.8	0.9	1.0	0.9
17	0.8	0.8	2.5	2.3	2.0	2.4	2.9	1.4	1.7	1.0	0.9	0.9
18	0.8	0.9	2.5	2.3	2.3	2.4	2.8	1.4	1.7	1.2	0.9	0.9
19	0.9	0.9	2.5	2.3	2.5	2.5	2.8	1.5	1.6	1.2	0.9	1.0
20	1.0	1.0	2.6	2.3	2.5	2.4	2.8	1.5	1.5	1.0	0.9	0.9
21	1.1	1.0	2.6	2.3	2.5	2.4	2.8	1.5	1.5	1.0	1.0	
22	1.1	1.0	2.7	2.3	2.5	2.5	2.9	1.4	1.2	1.0	1.0	
23	1.0	0.9	2.6	2.3	2.4	2.6	2.6	1.4	1.0	1.0	0.9	
24	0.9	1.0	2.6	2.3	2.4	2.6	2.6	1.4	1.0	0.9	0.9	
25	0.8	1.6	2.6	2.3	2.3	2.6	2.5	1.6	0.9	0.9	0.9	0.5
26	0.8	1.7	2.6	2.3	2.3	2.6	2.4	1.6	0.9	0.8	0.9	0.7
27	0.9	1.8	2.6	2.4	2.4	2.5	2.4	2.6	0.8	0.8	0.9	0.7
28	0.9	1.9	2.7	2.4	2.4	2.6	2.4	2.5	0.8	0.6	0.8	0.8
29	0.9	-----	2.6	2.4	2.3	2.8	2.4	2.5	0.9	0.5	0.8	0.7
30	1.0	-----	2.5	2.4	2.3	2.9	2.4	2.4	0.9	0.5	0.7	0.7
31	1.0	-----	2.4	-----	2.0	-----	2.6	2.4	-----	0.6	-----	0.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.9	1.0	2.4	2.3	2.2	2.5	2.7	1.9	1.5	0.8	0.8	0.8
MAX	1.1	1.9	2.7	2.4	2.5	2.9	3.0	2.8	2.4	1.2	1.0	1.1
MIN	0.7	0.7	1.9	2.0	1.8	1.9	2.4	1.1	0.8	0.5	0.6	0.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

THE MEAN STAGE FOR THE YEAR WAS 1.7.

HIGHEST STAGE WAS 3.0 AT 8:00 A.M. ON JUL 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 0.5 ON OCT 29 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU BLACK AT GREENWOOD, LA.

LOCATION. LAT. 29-37-14, LONG. 90-54-15. ON U. S. HIGHWAY 90 BRIDGE. (STA. 5288010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1935 TO 1942, AND 1944 TO 1965. DAILY, NOV. 18, 1965 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET (FROM INCOMPLETE RECORD) ON APR 14, 1980. LOWEST, MINUS 1.22 FEET ON DEC. 24, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.78	1.46	1.22	2.04	1.80	1.73	2.31		1.15	1.21	0.90	0.63
2	0.70	1.49	1.29	2.02	1.77		2.34		1.13	1.26	1.09	0.69
3	0.79	1.49	1.37		1.74		2.34	2.18	1.02	1.21	0.74	0.52
4	0.69	1.46	1.44	2.01	1.76		2.51	2.09	1.03	1.16	0.90	0.28
5	0.83	1.42	1.55	2.02	1.80	1.87	2.53	2.02	1.13	1.14	0.97	0.50
6	1.04	1.40		1.96	1.79	1.95	2.53	1.87	1.26	1.21	1.03	0.44
7	1.06	1.34	1.59	1.94	1.72	1.97	2.51		1.31	1.24	1.05	0.79
8	1.12	1.26	1.57	1.92	1.64	1.98	2.47		1.34	1.19	1.19	1.16
9	1.06	1.11	1.56	1.94	1.64	2.00	2.46		1.34	1.04	1.14	0.89
10	1.04	1.02	1.55	1.88	1.62	1.98	2.46		1.31	1.08	1.03	0.78
11	1.09	1.02	1.56	1.82	1.51	1.97	2.44		1.30	1.12	1.03	0.94
12	1.09	1.02	1.57	1.80	1.45	2.08	2.45		1.28	1.19	1.02	1.09
13	1.12	1.08	1.60	1.78	1.42	2.06	2.42		1.35	1.22	1.06	0.76
14	1.00	1.17	1.65	1.78	1.57	2.05	2.52		1.38	1.16	1.24	0.79
15	1.08	1.18	1.69	1.80	1.57	2.17	2.51		1.40	1.28	1.33	0.86
16	1.05	1.20	1.72	1.79	1.53	2.11	2.48	1.30	1.28	1.40	1.24	0.62
17	0.97	1.16	1.76	1.78	1.51	2.02	2.43	1.28	1.18	1.45	0.86	0.52
18	1.02	1.13	1.78	1.79	1.53	2.00	2.46	1.23	1.18	1.40	0.92	0.53
19	1.06	1.11	1.81	1.81	1.90	1.98	2.41	1.16	1.22	1.08	0.81	0.67
20	1.31	1.14	1.82	1.78	1.95	2.03	2.37	1.10	1.21	0.64	0.70	0.38
21	1.28	1.25	1.86	1.77	1.95	1.99	2.31	1.12	1.21	0.70	0.68	0.38
22	1.30	1.19	1.91	1.74	1.92	2.05	2.29	1.20	1.22	0.75	0.75	-0.05
23	1.32	1.08	2.00	1.75	1.90	2.05	2.30	1.31	1.12	0.72	0.70	-0.73
24	1.34	0.97	1.98	1.75	1.87	2.09		1.29	0.82	0.73	0.39	-1.15
25	1.35	0.96	1.97	1.75	1.86	2.13	2.26	1.25	0.84	0.62	0.69	-0.42
26	1.35	1.01	2.00	1.74	1.88	2.14	2.22	1.22	1.00	0.69	0.79	-0.14
27	1.37	1.08	2.00	1.74	1.87	2.15	2.22	1.17	1.04	0.69		0.04
28	1.37	1.21	2.01	1.75	1.83	2.18	2.19	1.16	1.09	0.85	1.11	0.23
29	1.39	-----	2.00	1.76	1.78	2.29	2.15	1.13	1.10	0.91	0.88	0.50
30		-----	2.10	1.74	1.73	2.28	2.12	1.12	1.15	1.04	0.52	0.72
31	1.42	-----	2.09	-----	1.73	-----	2.25	1.15	-----	1.06	-----	1.01

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.11	1.19	1.73	1.83	1.73	2.05	2.38	1.37	1.18	1.05	0.92	0.46
MAX	1.42	1.49	2.10	2.04	1.95	2.29	2.53	2.18	1.40	1.45	1.33	1.16
MIN	0.69	0.96	1.22	1.74	1.42	1.73	2.12	1.10	0.82	0.62	0.39	-1.15
DAYS	30	28	30	29	31	27	30	20	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 346

THE MEAN STAGE FOR THE YEAR WAS 1.41.

HIGHEST STAGE WAS 2.56 AT 7:00 P.M. ON JUL 4 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 1.22 ON DEC 24.

DAILY STAGE FOR 1989

CHATLIN LAKE CANAL AT LA. HWY. 457.

LOCATION. LAT. 31-07-08, LONG. 92-20-40. FOUR MILES NORTHEAST OF LACOMPTÉ, LA. (STA. 5502015.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 24, 1986 TO DATE. FOR RECORDS PRIOR TO 1986, REFER TO (STA. 5502515).

EXTREMES. HIGHEST, 62.24 FEET ON NOV. 17, 1987. LOWEST, 43.50 FEET ON NOV. 22, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	54.92	45.65	46.77	54.40	45.83	49.88	59.60	44.43	44.78	44.28	43.77	43.77
2	52.56	45.45	47.95	51.74	45.57	49.18	59.24	44.45	44.57	44.27	43.73	43.72
3	50.97	45.35	53.95	49.40	45.83	52.87	59.87	44.88	44.45	44.24	43.70	43.57
4	49.40	45.37	51.15	48.23	45.98	52.44	59.58	44.77	44.34	44.20	43.68	43.57
5	48.10	45.59	50.67	47.64	50.14	50.54	58.68	44.66	44.24	44.18	43.67	43.60
6	47.31	45.92 F	49.37	47.32	48.64	48.83	58.13	44.61	44.20	44.23	43.66	43.60
7	46.72	46.49	47.57	46.82	47.13	47.89	57.90	44.56	44.17	44.18	43.72	44.05
8	46.51	46.33	46.62	46.40	46.81	50.04	57.14	46.55	44.17	44.15	44.05	47.73
9	50.84	46.10	46.10	46.08	46.24	49.63	56.38	45.93	44.17	44.16	43.87	45.45
10	54.20	45.67	45.75	45.84	46.12	47.85	55.61	44.90	44.23	44.15	43.76	44.16
11	52.19	45.42	45.63	45.62	46.25	51.34	54.69	44.54	44.20	44.14	43.77	43.86
12	56.03	45.37	45.37	45.54	46.25	49.45	53.40	44.36	44.18	44.15	43.71	43.74
13	56.30	45.32	45.24	45.40	46.14	47.62 F	51.85	44.35	44.17	44.14	43.65	43.70
14	56.18	45.33	45.19	45.29	49.34	46.72	50.88	44.29	44.13	44.12	43.64	43.67
15	54.35	45.29	45.34	45.22	48.68		52.25	44.24	44.13	44.10	43.64	43.63
16	51.70	45.29	45.67	45.30	52.40		50.64	44.23	44.14	44.09	44.07	43.63
17	49.45	45.29	45.24	45.20	56.67		50.77	44.23	44.12	44.10	43.87	43.63
18	48.23	45.25	45.07	45.24	59.05	47.70	49.48	44.25	44.10	44.13	43.70	43.65
19	56.63	45.25	45.00	45.52	61.11	46.59	48.20	45.59	44.31	44.02	43.61	43.79
20	55.13	45.26	44.97	45.48	60.45	46.05	47.65	45.03	44.62	43.92	43.57	44.16
21	53.25	58.34	53.88	45.70	59.67	45.60	47.30	44.51	44.68	43.88	43.53	43.93
22	50.54	58.10	56.57	45.87	59.04	45.35	46.62	44.45	44.55	43.86	43.51	43.77
23	48.77	56.06	54.90	45.75	58.35	45.19	46.22	44.31	44.42	43.85	44.79	43.77
24	47.75	54.07	52.44	45.87	57.80	45.11	46.01	44.25	44.38	43.83	44.77	43.80
25	47.13	51.80	49.89	46.00	57.22	45.03	45.85	44.28	44.38	43.83	43.98	43.78
26	46.68	49.74	48.02	45.84	56.60	45.12	44.76	44.54	44.39	43.77	43.67	43.63
27	46.35	48.27	54.88	45.89	55.99	48.73	44.48	44.38	44.32	43.68	43.64	43.72
28	46.05	47.36	54.65	46.10	55.21		44.45	44.34	44.28	43.65	43.83	43.70
29	45.73	-----	53.00	45.73	54.11 F	59.27	44.41	45.44	44.26	43.62	44.98	43.77
30	45.41	-----	58.83	45.89	52.53	60.30	44.44	45.74	44.28	43.61	44.23	44.05
31	45.73	-----	56.65	-----	51.01	-----	44.46	45.12	-----	43.62	-----	44.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	50.36	47.67	49.43	46.54	52.01	49.01	51.32	44.72	44.31	44.00	43.86	43.96
MAX	56.63	58.34	58.83	54.40	61.11	60.30	59.87	46.55	44.78	44.28	44.98	47.73
MIN	45.41	45.25	44.97	45.20	45.57	45.03	44.41	44.23	44.10	43.61	43.51	43.57
DAYS	31	28	31	30	31	26	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 47.26.

HIGHEST STAGE WAS 61.15 AT 2:00 A.M. ON MAY 19.

LOWEST STAGE WAS 43.50 ON NOV 22.

DAILY STAGE FOR 1989

THREE PRONG LAKE AT BELLEDEAU, LA.

LOCATION. LAT. 31-04-46, LONG. 92-11-02. ON HIGHWAY 114 BRIDGE. (STA. 5515011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939 TO 1946. DAILY, AUG. 13, 1946 TO MAR. 1, 1973 AND OCT. 25, 1973 TO DATE.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 56.24 FEET ON MAY 20 AND 21, 1953. LOWEST, 40.72 FEET ON JULY 11, 1965, ALSO (FROM INCOMPLETE RECORD) ON JUNE 13, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	50.30	43.46	45.04	47.52	42.56		52.17	43.61		42.45	42.40	43.05
2	49.68	43.51	45.25	47.05	42.55		52.57	43.74		42.46	42.35	43.06
3	48.59	43.53	46.71	46.36	42.52		52.78	43.84		42.47	42.51	43.32
4	47.39	43.54	46.35	45.82	42.52		53.09	43.53		42.46	42.49	43.22
5	46.35	43.52	45.78	45.50	43.47		53.15	43.41		42.46	42.41	43.22
6	45.66	43.56	45.59	45.28	44.18		52.98	43.26		42.43	42.43	43.19
7	45.15	43.68	45.17	44.87	43.35		52.79	43.14		42.38	42.63	43.47
8	44.89	43.61	44.86	44.45	42.93	47.35	52.56	42.88		42.47	42.73	45.67
9	46.36	43.55	44.64	44.08	42.85	47.26	52.25	43.02		42.63	42.83	44.16
10	49.71	43.46	44.51	43.76	42.85	46.33	51.98	42.88		42.52	43.05	43.34
11	49.19	43.39	44.47	43.47	42.71	48.92	51.54	42.76		42.38	42.98	43.05
12	48.86	43.30	44.47	43.35	42.53	48.24	50.96	42.68		42.36	42.95	43.07
13	49.91	43.23	44.45	43.28	42.47	46.47	50.21	42.70		42.34	42.92	42.88
14	50.58	43.17	44.42	43.19	42.36	45.43	49.54	42.64		42.32	42.97	42.83
15	50.29	43.11	44.40	43.14	42.48	49.88	49.07	42.61		42.37	43.01	42.81
16	49.22	43.09	44.38	43.09		49.67	48.63	42.56		42.44	43.39	43.29
17	47.80	43.08	44.32	43.03		48.16	48.47	42.52		42.47	43.42	42.78
18	46.50	43.07	44.28	42.93		46.38	47.86	42.52		42.58	43.00	42.79
19	50.24	43.07	44.24	42.86		45.29	46.87	42.54		42.85	42.99	42.82
20	50.44	43.07	44.20	42.79		44.69	46.25	42.54		42.92	43.00	42.91
21	50.01	50.89	47.39	42.77		44.30	45.82	42.49		42.66	43.02	42.93
22	48.66	51.26	47.77	42.71		44.17	45.40	42.43		42.61	43.04	43.31
23	47.25	51.08	47.69	42.67		43.90	45.15	42.39		42.52	43.73	43.22
24	46.28	50.63	47.35	42.62		43.79	44.95	42.37		42.42	43.55	42.84
25	45.66	49.63	46.71	42.59		43.51	44.68	42.60		42.37	43.27	43.03
26	45.17	48.13	45.94	42.58		43.36	44.31	42.68		42.33	43.28	42.86
27	44.74	46.50	46.95	42.59		45.56	43.87	42.77		42.34	43.29	42.88
28	44.36	45.35	47.26	42.66		50.41	43.79	42.81		42.32	43.37	42.91
29	44.03	-----	46.92	42.65		51.41		44.25		42.31	43.59	43.08
30	43.73	-----	47.64	42.61		52.17		43.50		42.31	43.37	43.25
31	43.56	-----	47.63	-----		-----		43.01	-----	42.34	-----	43.22

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	47.44	45.02	45.70	43.74	42.82	46.81	49.06	42.92		42.46	43.00	43.18
MAX	50.58	51.26	47.77	47.52	44.18	52.17	53.15	44.25		42.92	43.73	45.67
MIN	43.56	43.07	44.20	42.58	42.36	43.36	43.79	42.37		42.31	42.35	42.78
DAYS	31	28	31	30	15	23	28	31	0	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 309

THE MEAN STAGE FOR THE YEAR WAS 44.75.

HIGHEST STAGE WAS 53.16 AT 11:00 P.M. ON JUL 4 AND LATER DATE(S).

LOWEST STAGE WAS 42.19 ON OCT 29.

DAILY STAGE FOR 1989

BAYOU DU LAC NEAR HESSMER, LA.

LOCATION. LAT. 31-01-13, LONG. 92-08-54. ON HIGHWAY 115 BRIDGE, 3.6 MILES SOUTHWEST OF HESSMER, LA.
(STA. 5520011.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1937 TO 1947. DAILY, JAN. 31, 1947 TO DATE.

EXTREMES. HIGHEST, 54.34 FEET ON MAY 21 AND 22, 1953. LOWEST, 37.0 FEET FROM JUNE 15 TO 20, 1948,
AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	46.65	39.88	44.18	46.95			47.24	40.07	39.49	38.92	39.10	
2	46.62	39.64	44.08	46.85		47.22	47.98	39.91	39.31	39.08	38.67	38.27
3	46.42	39.47	44.44	46.52		47.15	48.39	39.79	39.36	38.94	39.46	38.63
4	46.12	39.39	44.41	46.04		46.97	48.80	39.34	39.37	38.83	39.37	39.22
5	45.69	39.37	44.29	45.52	42.26	46.98	49.02	39.03	39.06	38.96	38.14	38.42
6	45.19	39.57	44.14	45.01	42.19	46.69	49.09	38.80	38.95	38.69	37.61	37.84
7	44.72	40.12	43.85	44.57	41.05	46.21	49.12	38.60	38.97		37.83	39.15
8	44.30	40.30	43.36	44.09	40.12	46.29	49.12	39.62	38.89		37.73	43.05
9	44.48	40.14	41.98	43.60	39.56	46.05	49.05	40.63	38.97		38.78	42.11
10	45.07	39.84	40.70	42.57	39.54	45.68	48.96	40.40	39.18		39.03	40.20
11	45.21	39.50	39.94	40.99	38.92	45.80	48.79	39.64	38.99		38.92	38.60
12	45.26	39.24	39.51	40.34	38.71	45.67	48.53	38.90	39.07		38.78	38.85
13	45.87	39.14	39.25	40.07	38.40	45.35	48.19	38.80	38.84		38.40	39.71
14	46.27	39.06	39.12	39.91	38.47	44.93	47.79	38.80	38.91		37.51	39.39
15	46.42	39.04	39.14	39.42	40.33	45.65	47.41	38.64	39.51		37.52	38.08
16	46.37	39.04	39.39	39.11	43.42	45.80	47.06	38.35	39.94		39.35	
17	46.12	39.03	39.41	39.03	44.73	45.70	46.72	38.39	39.56		40.00	
18	45.74	39.08	39.18	38.99	45.57	45.34	46.42	38.75	39.54			
19	46.40	39.07	38.99	39.68	48.08	44.89	45.98	39.16	39.37			
20	46.65	39.00	38.96	39.90	48.57	44.39	45.52	39.22	39.40			
21	46.70	44.59	44.51	39.63	48.87	43.85	45.08	38.84	39.45			
22	46.54	44.85	45.33	39.68	48.99	43.38	44.64	38.48	39.46			
23	46.17	45.09	45.72	39.72	49.07	42.23	44.21	38.47	39.34			
24	45.71	45.32	45.86	39.42	49.12	41.30	43.84	38.41	40.13			
25	45.23	45.40	45.76	39.42	49.13	40.77	43.23	39.21	39.52			
26	44.75	45.26	45.44	39.50	49.10	40.22	42.09	38.75	39.82			
27	44.32	44.98	45.58		49.01	43.90	41.18	38.66	39.67			
28	43.82	44.63	45.76			45.54	40.53	38.58	39.18			
29	43.01	-----	46.06			45.65	40.26	39.18	39.06			
30	41.37	-----	46.66			46.78	40.06	39.53	38.94			
31	40.31	-----	46.86	-----		-----	39.72	39.49	-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.28	41.04	42.96	41.79	44.05	45.05	45.94	39.11	39.31	38.90	38.60	39.39
MAX	46.70	45.40	46.86	46.95	49.13	47.22	49.12	40.63	40.13	39.08	40.00	43.05
MIN	40.31	39.00	38.96	38.99	38.40	40.22	39.72	38.35	38.84	38.69	37.51	37.84
DAYS	31	28	31	26	23	29	31	31	30	6	17	14

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 297

THE MEAN STAGE FOR THE YEAR WAS 42.25.

HIGHEST STAGE WAS 49.15 AT 6:00 P.M. ON JUL 7.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 37.36 ON NOV 11.

DAILY STAGE FOR 1989

BAYOU DES GLAISES NEAR COTTONPORT, LA.

LOCATION. LAT. 31-00-28, LONG. 92-03-03. ON HIGHWAY 107 BRIDGE, 1.7 MILES NORTH OF COTTONPORT, LA.
(STA. 5525011.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. MAR. 15, 1955 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 50.25 FEET ON JAN. 9, 1983. LOWEST, 33.62 FEET ON
SEP. 4, 1980.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1966 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	45.19	37.77	42.73	45.47	37.02	46.30	45.83				34.08	35.10
2	45.19	37.44	42.54	45.43	37.10	45.81	46.70				33.96	34.78
3	45.03	37.20	42.71	45.14	36.85	45.66	47.04				34.00	34.38
4	44.63	36.99	42.82	44.62	36.56	45.50	47.58				34.05	34.41
5	44.22	36.93	42.74	44.11	39.39	45.54	47.92				34.13	34.40
6	43.75	37.06	42.54	43.60	39.91	45.33	47.98				34.16	34.57
7	43.25	37.58	42.24	43.03	38.79	44.81	47.98			35.05	34.29	34.97
8	42.76	37.89	41.67	42.54	37.77	44.93	48.00			35.02	34.51	40.53
9	42.87	37.76	40.19	41.99	37.17	44.62	47.90			34.99	34.21	39.15
10	43.49	37.50	38.83	40.88	37.02	44.24	47.78			34.88	34.05	37.46
11	43.62	37.15	37.92	39.19	36.43	44.20	47.56			34.72	34.04	36.10
12	43.66	36.84	37.36	38.32	36.05	44.17	47.27			34.65	33.98	35.35
13	44.24	36.68	37.01	37.96	35.59	43.90	46.86			34.63	33.97	35.08
14	44.68	36.58	36.78	37.63	35.50	43.48	46.38			34.62	33.96	34.90
15	44.84	36.53	36.72	37.11	37.56	44.09	45.92			34.59	33.93	34.84
16	44.82	36.47	36.84	36.72	40.36	44.22	45.52			34.56	34.09	34.85
17	44.62	36.43	37.06	36.56	42.45	44.11	45.18			34.55	34.02	34.77
18	44.28	36.45	36.85	36.46	43.12	43.82	44.89			34.59	33.94	34.84
19	44.94	36.46	36.60	37.00	46.81	43.36	44.47			34.52	34.00	34.91
20	45.10	36.41	36.54	37.44	47.29	42.84	44.04			34.54	34.20	34.93
21	45.16	41.50	42.31	37.18	47.52	42.27	43.59			34.42	34.26	35.02
22	45.02	42.79	43.57	37.18	47.70	41.69	43.14			34.40	34.27	35.00
23	44.68	43.25	44.14	37.19	47.82	40.48	42.66			34.29	34.80	34.96
24	44.25	43.64	44.36	37.00	47.90	39.36	42.20			34.20	35.25	34.79
25	43.77	43.86	44.34	36.89	47.92	38.66	41.56			34.17	35.53	34.78
26	43.27	43.82	44.06	36.96	47.89	38.02	40.32			34.02	35.10	34.71
27	42.78	43.55	44.05	37.16	47.81	41.47	39.25			33.91	34.66	34.70
28	42.22	43.18	44.26	37.04	47.65	43.08	38.51			34.03	34.70	34.71
29	41.35	-----	44.71	37.18	47.40	43.94				34.14	34.60	34.92
30	39.60	-----	45.26	36.94	47.07	45.27					35.08	35.54
31	38.36	-----	45.37	-----	46.79	-----			-----	34.22	-----	35.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	43.73	38.77	41.13	39.40	42.01	43.51	45.14			34.49	34.33	35.33
MAX	45.19	43.86	45.37	45.47	47.92	46.30	48.00			35.05	35.53	40.53
MIN	38.36	36.41	36.54	36.46	35.50	38.02	38.51			33.91	33.93	34.74
DAYS	31	28	31	30	31	30	28	0	0	24	30	

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 294

THE MEAN STAGE FOR THE YEAR WAS 39.87.

HIGHEST STAGE WAS 48.00 AT 8:00 A.M. ON JUL 8.

LOWEST STAGE WAS 33.87 ON OCT 27.

DAILY STAGE FOR 1989

COULEE DES GRUES AT MARKSVILLE, LA.

LOCATION. LAT. 31-06-32, LONG. 92-03-49. EAST OF HIGHWAY 1 BRIDGE. (STA. 5555011.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937 TO 1942, AND 1944 TO 1946. DAILY, AUG. 14, 1946, TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 59.7 FEET ON APR. 25, 1945. LOWEST, 40.0 FEET ON JAN. 2 AND 9, 1972.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	45.84	42.94	43.34	46.10	42.00	45.80	47.20	43.20	42.60	42.10	41.90	41.90
2	45.74	42.84	43.04	45.90	42.10	45.40	47.40	43.20	42.60	42.00	41.90	41.90
3	45.64	42.64	43.64	45.20	42.10	46.10	47.90	43.10	42.60	42.00	41.90	41.90
4	45.14	42.54	43.04	44.30	42.00	45.80	47.70	43.10	42.60	42.00	41.90	41.90
5	44.14	42.54	44.44	43.80	42.30	45.30	47.80	43.10	42.50	42.00	41.90	41.90
6	43.84	42.54	43.94	43.60	42.20	45.10	47.60	43.10	42.50	42.00	41.90	41.90
7	43.54	42.54	43.54	43.30	42.20	44.50	47.50	43.10	42.50	42.00	41.90	44.30
8	43.34	42.44	43.24	43.20	42.20	45.30	47.40	43.00	42.50	42.00	41.90	43.50
9	44.94	42.44	42.94	43.10	42.10	44.70	47.30	43.00	42.50	42.00	41.90	43.00
10	46.04	42.44	42.74	42.90	42.20	44.10	47.20	43.00	42.50	42.00	41.90	42.50
11	45.94	42.54	42.74	42.80	42.20	46.00	47.10	43.00	42.40	41.90	41.90	42.30
12	45.54	42.54	42.74	42.70	42.30	45.50	47.00	42.90	42.40	41.90	41.90	42.10
13	46.14	42.54	42.64	42.60	42.20	44.60	46.80	42.90	42.40	41.90	41.90	42.00
14	46.54	42.44	42.64	42.50	42.20	43.80	46.30	42.90	42.30	41.90	41.90	42.00
15	46.34	42.44	42.40	42.40	42.20	46.10	46.10	42.90	42.30	41.90	41.90	41.90
16	45.94	42.44	42.40	42.40	43.60	46.00	45.80	42.80	42.30	41.90	41.90	41.90
17	45.24	42.34	42.40	42.40	45.60	45.30	45.70	42.80	42.30	41.90	41.90	41.90
18	45.54	42.34	42.30	42.30	47.50	44.60	45.40	42.80	42.30	41.90	41.90	41.90
19	46.54	42.34	42.30	42.30	48.50	43.80	45.00	42.80	42.20	41.90	41.90	41.90
20	46.54	42.34	42.30	42.30	48.30	43.40	44.70	42.70	42.20	41.90	41.90	41.90
21	46.34	47.54	46.50	42.20	48.20	43.30	44.50	42.70	42.20	41.90	41.90	41.90
22	45.74	47.14	46.90	42.20	47.90	43.30	44.30	42.70	42.20	41.90	41.90	41.90
23	44.94	46.94	46.80	42.20	47.60	43.20	44.10	42.60	42.20	41.90	41.90	41.90
24	44.14	46.74	46.50	42.20	47.50	43.20	44.00	42.60	42.10	41.90	41.90	41.90
25	43.84	46.24	45.70	42.20	47.40	43.00	43.80	42.60	42.10	41.90	41.90	41.90
26	43.74	45.44	44.60	42.10	47.20	43.00	43.70	42.60	42.10	41.90	41.90	41.90
27	43.54	44.54	44.20	42.10	47.10	42.90	43.50	42.50	42.10	41.90	41.90	41.90
28	43.44	43.74	46.10	42.10	47.00	47.00	43.40	42.50	42.10	41.90	41.90	41.90
29	43.24	-----	47.10	42.10	46.90	46.70	43.30	42.50	42.10	41.90	41.90	41.90
30	43.14	-----	46.60	42.10	46.60	47.30	43.30	42.60	42.10	41.90	41.90	42.00
31	43.04	-----	46.40	-----	46.10	-----	43.20	42.60	-----	41.90	-----	42.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	44.96	43.52	44.33	42.92	44.69	44.80	45.68	42.84	42.33	41.94	41.90	42.12
MAX	46.54	47.54	47.10	46.10	48.50	47.30	47.90	43.20	42.60	42.10	41.90	44.30
MIN	43.04	42.34	42.30	42.10	42.00	42.90	43.20	42.50	42.10	41.90	41.90	41.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 43.51.

HIGHEST STAGE WAS 48.50 ON MAY 19.

LOWEST STAGE WAS 41.90 ON OCT 11 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU DES GLAISES (RS) AT HAMBURG, LA.

LOCATION. LAT. 31-01-08, LONG. 91-55-11. GAGEING HOUSE ON CROWN OF LEVEE, NEAR HIGHWAY 1 AND WABPL.
(STA. 5590011.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932, 1937, 1945, 1946, 1949, 1950, AND, 1952. DAILY, FEB.
1971 TO DATE.EXTREMES. (FROM 1971 TO DATE) HIGHEST, 56.41 FEET ON MAY 15, 1973. LOWEST, (FROM INCOMPLETE
RECORD) 22.00 FEET ON JUL. 16, 1980.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.56	26.76	34.12	30.19	25.77	26.84	30.55	25.73	24.38	24.44	25.08	25.50
2	25.49	25.93	34.08	30.45	25.66	26.54	30.89	25.60	24.32	24.60	25.11	25.51
3	25.41	25.60	34.11	30.77	25.57	26.43	31.44	25.40	24.23	24.62	25.08	25.50
4	25.60	25.47	34.43	30.45	25.50	26.30	31.66	25.23	24.42	24.62	25.09	25.48
5	25.55	25.44	34.66	30.44	25.60	26.46	31.93	25.10	24.33	24.63	25.13	25.51
6	25.45	25.41	34.90	30.65	25.55	26.62	31.71	24.92	24.20	24.64	25.15	25.55
7	25.23	25.40	34.96	30.87	25.50	26.67	31.36	24.77	24.13	24.73	25.18	25.98
8	25.03	25.40	35.22	31.14	25.42	26.84	30.95	24.65	24.11	24.73	25.21	25.18
9	25.50	25.40	35.32	31.09	25.32	26.84	30.87	24.58	24.13	24.73	25.20	24.70
10	26.15	25.29	35.48	30.96	25.23	26.83	30.85	24.58	24.10	24.74	25.20	24.54
11	26.10	25.30	35.58	31.14	25.15	26.90	30.81	24.54	24.08	24.80	25.22	24.45
12	26.16	25.35	35.46	31.52	25.07	26.87	30.43	24.50	24.04	24.83	25.23	24.32
13	26.34	25.33	35.35		24.99	26.82	29.75	24.70	24.01	24.87	25.25	24.20
14	26.33	25.31	35.40		24.93	26.74	29.41	24.63	23.99	24.87	25.25	24.12
15	26.36	25.28	35.22		24.89	26.95	29.12	24.47	23.87	24.90	25.30	24.18
16	26.25	25.43	35.09		24.86	27.01	28.74	24.43	23.85	24.92	25.30	24.33
17	26.14	25.54	34.71		25.90	27.02	28.24	24.40	23.87	24.93	25.28	24.48
18	26.11	25.81	34.69		26.29		27.66	24.37	23.87	24.93	25.32	24.62
19	26.65	25.82	34.58	32.54	27.44		27.41	24.35	23.86	24.92	25.33	24.73
20	27.10	25.79	34.45	32.55	27.76		27.05	24.37	23.83	24.95	25.35	24.56
21	E 27.74	27.03	34.36	32.33	27.86		26.87	24.33	23.83	24.98	25.37	24.37
22	E 27.94	29.07	34.33	32.23	27.97	F 27.20	26.75	24.26	23.87	25.02	25.37	24.27
23	E 28.10	30.55	34.20	32.07	27.97	27.49	26.63	24.22	23.93	25.04	25.51	24.20
24		31.46	33.83	31.94	27.95	27.85	26.55	24.18	23.98	25.05	25.48	24.16
25		32.27	33.25	31.25	27.99	27.95	26.52	24.19	24.08	25.04	25.48	24.17
26		32.61	32.94	30.25	28.01	27.95	26.43	24.21	24.16	25.04	25.50	24.19
27		32.86	32.68	29.05	27.94	28.76	26.32	24.16	24.23	25.04	25.50	24.18
28		33.93	31.76	28.01	27.68	29.97	26.17	24.15	24.28	25.04	25.52	24.20
29		-----	31.15	26.89	27.56	29.96	26.00	24.56	24.33	25.05	25.50	24.31
30		-----	30.66	26.05	27.42	30.25	25.92	24.38	24.41	25.07	25.47	24.46
31	E 28.21	-----	30.54	-----	27.15	-----	25.86	24.36	-----	25.09	-----	24.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	26.27	27.17	34.11	30.62	26.38	27.39	28.76	24.59	24.09	24.87	25.30	24.66
MAX	28.21	33.93	35.58	32.55	28.01	30.25	31.93	25.73	24.42	25.09	25.52	25.98
MIN	25.03	25.28	30.54	26.05	24.86	26.30	25.86	24.15	23.83	24.44	25.08	24.12
DAYS	24	28	31	24	31	26	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 348

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 26.97.

HIGHEST STAGE WAS 35.69 AT 6:00 P.M. ON MAR 10.

LOWEST STAGE WAS 23.83 ON SEP 20 AND LATER DATE(S).

DAILY STAGE FOR 1989

WABPL BORROW PIT (LS) AT BAYOU ROUGE (LA.)

LOCATION. LAT. 30-45-20, LONG. 91-54-40. ON CONCRETE BRIDGE NEAR JUNCTION WITH BAYOU ROUGE, 2.7 MILES NORTH OF PALMETTO, LA. (STA. 5805012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. FEB. 13, 1937 TO 1979, AND OCT. 8, 1981 TO DATE.

EXTREMES. HIGHEST, 33.2 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 9.8 FEET ON OCT. 15 AND 16, 1950.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21.37	16.63	18.17	20.83	17.38	19.18	24.27	17.54	17.51	16.84	15.12	15.65
2	20.63	17.17	18.30	19.71	17.35	19.03	24.17	17.56	17.43	16.07	15.13	15.84
3	19.63	17.44	20.11	19.28	17.35	19.24	24.47	17.52	17.37	15.34	15.07	15.81
4	19.14	16.31	19.06	18.96	17.32	19.18	24.35	17.46	17.35	15.10	15.02	15.51
5	18.46	15.61	18.37	18.67	19.10	19.05	24.24	17.40	17.34	15.34	14.98	15.12
6	17.93	15.81	17.84	18.36	18.23	20.87	23.37	17.32	17.28	15.52	14.97	15.22
7	18.46	16.33	18.40	18.09	18.33	20.08	22.27	17.20	17.28	15.64	15.68	16.60
8	18.15	16.74	18.32	18.17	18.03	22.23	21.73	17.26	17.25	15.73	15.85	20.07
9	17.87	16.96	18.12	17.99		21.89	21.13	17.25	17.24	15.77	14.95	18.27
10	22.43	17.04	17.85	17.75		20.23	20.76	17.27	17.24	15.83	14.92	16.65
11	21.94	16.95	17.65	17.44		20.77	20.41	17.21	17.30	15.77	14.96	15.87
12	20.53	16.77	17.50	17.64		20.25	20.21	17.33	17.39	15.73	14.97	15.54
13	19.85	16.55	17.35	17.64		19.15	20.02	17.38	17.35	15.67	14.97	15.03
14	21.59	16.37	17.18	17.60		18.56	20.32	17.35	17.32	15.62	15.37	15.37
15	20.62	16.13	17.25	17.55		22.30	20.17	17.26	17.27	15.59	14.89	15.83
16	19.56	15.90	17.44	17.45		22.04	19.81	17.17	17.20	15.60	14.41	15.29
17	18.96	15.07	17.53	17.28		20.17	19.67	17.07	17.24	15.59	14.69	15.37
18	18.53	15.32	17.53	17.31		19.15	19.48	17.25	17.23	14.72	14.93	15.63
19	22.20	14.97	17.51	17.33		18.66	19.27	17.33	17.23	15.05	15.04	15.79
20	22.23	14.75	17.48	17.31		18.24	19.23	17.37	17.20	15.23	15.09	15.17
21	21.25	15.87	18.06	17.29		18.20	18.97	17.38	17.29	15.34	15.13	15.27
22	20.00	19.05	20.33	17.36 F	23.68	17.93	18.75	17.38	17.36	15.43	15.17	15.47
23	19.28	18.55	21.08	17.40	22.73	17.95	18.53	17.42	17.38	15.52	15.73 F	15.03
24	18.83	18.37	20.03	17.44	21.35	17.62	18.46	17.40	17.33	15.57	15.30 F	14.28
25	18.40	18.44	19.08	17.40	20.58	17.35	18.23	17.40	17.30	15.60	14.88	13.94
26	18.03	18.47	18.64	17.40	20.26	17.02	17.97	17.42	17.31	15.62	15.33	13.55
27	17.63	18.43	18.57	17.38	20.00	17.83	17.67	17.43	17.30	15.58	15.64	14.03
28	18.09	18.33	19.17	17.42	19.77	21.95	17.34	17.40	17.30	15.48	15.93	14.64
29	18.07	-----	18.95	17.45	19.60	23.63	17.63	17.49	17.30	15.37	15.42	15.74
30	17.83	-----	23.22	17.48	19.53	23.98	17.43	17.58	17.31	15.27	15.34	18.97
31	17.15	-----	22.54	-----	19.51	-----	17.19	17.60	-----	15.17	-----	9.73

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	19.50	16.82	18.67	17.88	19.45	19.79	20.24	17.37	17.31	15.54	15.16	15.78
MAX	22.43	19.05	23.22	20.83	23.68	23.98	24.47	17.60	17.51	16.84	15.93	20.07
MIN	17.15	14.75	17.18	17.28	17.32	17.02	17.19	17.07	17.20	14.72	14.41	13.55
DAYS	31	28	31	30	18	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.74.

HIGHEST STAGE WAS 24.48 AT 1:00 A.M. ON JUL 3.

LOWEST STAGE WAS 13.51 ON DEC 26.

DAILY STAGE FOR 1989

BIG DARBONNE BAYOU (LS) AT COURTABLEAU, LA.

LOCATION. LAT. 30-33-05, LONG. 91-51-55. ON WEST SIDE OF LEVEE AT DARBONNE BAYOU CONTROL STRUCTURE. (STA. 5815012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. INTERMITTENTLY, 1931 TO 1934, 1941 TO 1958, AND 1961 TO 1966. DAILY, MAY 1966 TO DATE.

EXTREMES. HIGHEST, 25.6 FEET ON MAY 23, 1953. LOWEST, (FROM INCOMPLETE RECORD) 10.5 FEET ON SEP. 15, 1954.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19.00 G	17.10 G	18.05	18.90 G	17.85	18.25	19.70 G	17.95 G	18.05 G	17.40 G	15.60 G	16.00
2	18.80 G	17.65 G	18.00	18.65 G	17.80	18.25	19.80 G	17.85 G	18.00 G	16.60 G	15.60 G	16.30
3	18.50 G	17.80 G	18.75	18.45 G	17.80	18.15	19.80 G	18.00 G	17.95 G	15.90 G	15.70 G	16.20
4	18.25 G	17.25 G	17.95	18.30 G	17.75	18.00	19.85 G	17.95 G	17.85 G	15.60 G	15.60 G	16.00
5	17.55 G	15.85 G	17.55	18.15 G	18.60	17.95	19.90 G	17.85 G	17.80 G	15.80 G	15.60 G	15.70
6	17.10 G	16.20 G	17.35	18.00	17.15	18.40	19.90 G	17.80 G	17.80 G	15.80 G	15.50 G	15.60
7	18.10 G	16.70 G	18.35 G	17.80 G	18.75	18.35	19.50 G	17.70 G	17.90 G	15.70 G	15.60 G	16.50
8	17.80 G	17.10 G	18.33 G	17.95 G	18.35	18.50	19.40 G	17.70 G	17.95 G	15.70 G	15.70 G	18.60
9	17.50 G	17.40 G	18.20 G	17.90 G	18.15	18.70	19.30 G	17.70 G	17.85 G	16.40 G	15.70	17.50
10	19.00 G	17.40 G	18.10 G	17.80 G	17.95	18.40	19.20 G	17.70 G	17.75 G	16.40 G	15.60	16.70
11	18.50 G	17.30 G	18.05 G	17.60 G	17.70	18.40	19.15 G	17.70 G	17.75 G	16.40 G	15.70	16.20
12	18.30 G	17.15 G	17.90 G	17.95 G	17.40	18.40	19.15 G	17.75 G	17.90 G	16.40 G	15.50 G	16.10
13	18.05 G	17.00 G	17.80 G	18.00 G	17.60	18.35	19.05 G	17.80 G	17.90 G	16.40 G	15.60 G	15.50
14	18.20 G	16.80 G	17.60 G	18.00 G	17.70	18.35	19.20 G	17.80 G	17.80 G	16.40 G	15.50 G	15.80
15	18.40 G	16.50 G	17.75 G	17.95 G	17.90	19.05	19.15 G	17.80 G	17.80 G	16.00 G	15.70 G	16.30
16	18.20 G	16.40 G	17.90 G	17.85 G	18.05	19.05	19.10 G	17.75 G	17.75 G	16.00 G	15.70 G	15.80
17	18.00 G	16.10 G	17.95 G	17.75 G	18.70	18.60	19.05 G	17.60 G	17.75 G	16.10 G	15.60 G	15.90
18	17.50 G	15.70 G	17.95 G	17.70 G	18.45	18.30	18.90 G	17.60 G	17.70 G	15.50 G	15.70 G	16.10
19	18.75 G	15.35 G	17.95 G	17.70	19.95	18.10	18.85 G	17.70 G	17.70 G	15.50 G	15.60 G	16.30
20	18.95 G	15.10 G	17.95 G	17.70	19.90	17.90	18.90 G	17.80 G	17.70 G	15.50 G	15.50 G	15.80
21	18.70 G	15.30 G	18.10 G	17.70	19.80	18.05	18.90 G	17.80 G	17.75 G	15.60 G	15.70 G	15.90
22	18.50 G	18.30 G	18.65 G	17.75	19.70 G	17.80	18.70 G	17.85 G	17.80 G	15.60 G	15.60 G	15.80
23	18.20 G	18.20 G	18.40 G	17.75	19.40 G	18.05	18.50 G	17.90 G	17.80 G	16.00 G	16.20 G	15.50
24	18.00 G	18.10 G	18.30 G	17.80	19.00 G	17.80	18.40 G	17.90 G	17.80 G	16.00 G	16.10 G	15.30
25	17.60 G	18.15	18.25 G	17.80	18.70 G	17.60	18.30 G	17.90 G	17.80 G	16.20 G	16.00 G	15.20
26	17.30 G	18.20	18.15 G	17.85	18.60 G	17.40	18.15 G	17.90 G	17.80 G	16.20 G	15.90 G	14.80
27	17.05 G	18.25	18.00 G	17.85	18.50 G	17.90	18.05 G	17.90 G	17.80 G	16.20 G	15.80 G	14.70
28	18.00 G	18.20	18.10 G	17.85	18.50	19.40	17.65 G	17.90 G	17.80 G	16.10 G	16.50 G	14.60
29	18.00	-----	18.20 G	17.85	18.40	19.50 G	17.60 G	17.95 G	17.80 G	16.10 G	16.00 G	14.80
30	17.95	-----	18.20 G	17.90	18.40	19.60 G	17.60 G	18.05 G	17.80 G	15.70 G	15.90 G	18.80
31	17.50	-----	18.20 G	17.90	18.60	----- G	17.60 G	18.05	----- G	15.70	----- G	18.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.10	17.02	18.13	17.94	18.42	18.35	18.91	17.83	17.82	16.03	15.73	16.08
MAX	19.00	18.30	19.25	18.90	19.95	19.60	19.90	18.05	18.05	17.40	16.50	18.80
MIN	17.05	15.10	17.35	17.60	17.15	17.40	17.60	17.60	17.70	15.50	15.50	14.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 17.54.

HIGHEST STAGE WAS 19.95 ON MAY 19.

LOWEST STAGE WAS 14.60 ON DEC 28.

DAILY STAGE FOR 1989

BAYOU COURTABLEAU AT WASHINGTON, LA.

LOCATION. LAT. 30-37-05, LONG. 92-03-20. ON STATE HIGHWAY 10 BRIDGE, SIX MILES NORTH OF OPELOUSAS, LA. (STA. 5820012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE JULY 1946.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1939 TO 1946. DAILY, JULY 1946 TO DATE. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 35.29 FEET ON MAY 22, 1953. LOWEST, 10.72 FEET ON OCT. 18, 1956.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24.38	18.41	20.01	25.19	18.34	26.09	27.10	19.37	18.45	17.92	16.06	16.71
2	24.45	18.77	20.47	24.65	18.31	25.52	27.13	19.36	18.35	17.17	16.06	16.84
3	23.91	18.67	22.28	23.96	18.29	24.92	27.37	19.29	18.31	16.48	16.00	16.82
4	22.80	17.61	22.04	23.11	18.43	24.61	27.59	19.13	18.30	16.22	15.95	16.44
5	21.24	17.05	21.11	21.93	20.35	24.38	27.90	18.99	18.29	16.42	15.91	16.14
6	20.08	17.27	20.20	20.54	20.03	24.51	27.94	18.78	18.27	16.58	16.00	16.22
7	19.62	17.70	19.92	19.82	19.86	24.31	27.91	18.64	18.26	16.69	16.64	18.69
8	19.17	18.05	19.58	19.64	19.38	24.32	27.88	18.74	18.24	16.77	16.67	21.74
9	21.90	18.19	19.28	19.46	18.95	24.34	27.82	18.75	18.22	16.82	15.96	20.37
10	23.61	18.16	19.05	19.18	18.59	23.94	27.77	18.69	18.23	16.83	15.88	18.71
11	23.65	18.03	18.88	18.97	18.32	23.86	27.70	18.57	18.28	16.80	15.92	17.47
12	23.63	17.83	18.68	19.16	18.09	24.01	27.64	18.60	18.38	16.75	15.93	16.79
13	24.36	17.65	18.48	19.12	18.23	23.61	27.56	18.59	18.35	16.69	15.99	16.19
14	24.49	17.42	18.33	19.00	18.47	23.55	28.60	18.47	18.30	16.65	16.32	16.50
15	24.23	17.17	18.42	18.90	18.60	24.94	28.93	18.30	18.22	16.62	15.85	16.79
16	23.49	16.99	18.55	18.66	19.10	25.11	28.84	18.19	18.20	16.61	15.50	16.35
17	22.63	16.69	18.54	18.43	21.66	25.06	28.64	18.12	18.23	16.50	15.73	16.44
18	22.61	16.28	18.55	18.42	23.92	24.49	28.27	18.24	18.21	15.94	15.94	16.67
19	23.46	15.94	18.51	18.40	26.39	23.41	27.83	18.33	18.17	16.08	16.02	16.73
20	24.82	15.67	18.46	18.34	27.17	22.05	27.38	18.37	18.18	16.24	16.07	16.23
21	25.23	17.16	19.10	18.23	27.47	20.73	26.84	18.35	18.35	16.34	16.10	16.40
22	25.07	20.65	21.40	18.26	27.58	19.81	26.30	18.40	18.43	16.43	16.21	16.52
23	24.41	21.06	23.00	18.33	27.56	19.46	25.82	18.40	18.39	16.53	16.73	15.87
24	23.35	21.00	22.79	18.36	27.49	19.19	25.46	18.40	18.33	16.58	16.38	15.30
25	21.89	21.00	21.88	18.36	27.34	18.94	24.83	18.39	18.31	16.61	16.07	14.81
26	20.25	20.95	20.64	18.36	27.24	18.77	24.01	18.42	18.31	16.62	16.41	14.58
27	19.26	20.80	20.77	18.34	27.18	19.44	22.92	18.42	18.30	16.54	16.69	15.16
28	19.37	20.51	21.91	18.36	27.10	23.28	21.49	18.41	18.30	16.42	16.94	15.74
29	19.30	-----	23.07	18.40	27.00	25.44	20.36	18.64	18.31	16.29	16.51	18.39
30	19.06	-----	24.76	18.40	26.80	26.75	19.62	18.70	18.33	16.18	16.44	21.60
31	18.56	-----	25.30	-----	26.52	-----	19.31	18.62	-----	16.11	-----	22.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	22.40	18.31	20.45	19.61	22.57	23.29	26.28	18.60	18.29	16.56	16.16	17.14
MAX	25.23	21.06	25.30	25.19	27.58	26.75	28.93	19.37	18.45	17.92	16.94	22.18
MIN	18.56	15.67	18.33	18.23	18.09	18.77	19.31	18.12	18.17	15.94	15.50	14.58
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 19.99.
 HIGHEST STAGE WAS 28.96 AT 7:00 A.M. ON JUL 15.
 LOWEST STAGE WAS 14.50 ON DEC 26.

DAILY STAGE FOR 1989

BAYOU WAKSHA NEAR LEBEAU, LA.

LOCATION. LAT. 30-42-05, LONG. 92-00-49. ON STATE HIGHWAY 10 BRIDGE, 3.1 MILES SOUTHWEST OF LEBEAU.
(STA. 5824012A.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. DRAINAGE AREA, 95 SQUARE MILES.

RECORDS AVAILABLE. STAGE, MAY 1969 TO DA L. DISCHARGE, 1969 TO 1972, 1979, AND 1983.

EXTREMES. HIGHEST, 31.64 FEET (CAUSED BY HURRICANE) ON NOV. 02, 1985. LOWEST, 15.97 FEET ON SEP.
28, 1976.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26.80	18.30		26.71	18.92	26.19	28.36	17.86	18.09			
2	26.55	18.20		26.22	18.57	24.49	28.29	17.84	17.80 F	16.85		
3	25.88	18.20		25.53	17.99	21.92	28.57	17.81 F	17.77			
4	24.53	18.53		24.45	17.69	22.84	28.75		17.76			
5	21.61	18.30		22.60	24.64	23.00	28.76		F 17.39			
6	19.90	18.68		20.63	24.90	24.38	28.75	17.91				
7	19.36	19.32		19.49	24.42	24.47	28.67 F	17.72				17.75
8	19.00	18.93		19.06	23.93	26.64	28.62 F	17.82				24.87
9	18.95	18.52		18.49	23.18	26.84	28.48	18.13				24.29
10	24.79	18.33		18.11	20.55	26.66	28.34	17.90				23.07
11	25.39	18.01		17.88	18.93	26.65	28.20					20.00
12	25.46	17.87		17.87	18.31	26.65	27.97					18.47
13	25.95	17.75 F	17.87	17.85	17.90	26.65	27.66			F 16.98		18.23
14	26.81	17.60	17.73	18.06	20.37	26.65	27.72					17.84
15	26.80	17.57	17.77	18.12	19.93	27.92	27.67					
16	26.50	17.53	17.73	18.24	21.20	28.05	27.14			F 16.82		
17	26.13	17.50	17.72	18.06	24.10	27.87	25.62					
18	25.42	17.55	17.65	17.90	24.40	27.58	25.42		F 17.18			
19	26.50	17.56	17.83	17.83	28.27	27.22	24.50					
20	26.67	17.51	17.53	17.73	28.72	26.64	23.30					
21	26.68	18.76	17.56	17.75	28.74	25.75	22.60 F	17.48				
22	26.34	21.63	21.45	17.87	28.74	24.15	21.94					
23	25.70	20.62	24.64	17.73	28.71	21.33	21.38			F 17.81		
24	24.70	19.19	24.30	17.73	28.61	19.66	21.87	17.83		17.97		
25	22.70	18.94	22.45	18.35	28.46	18.43	20.93 F	17.75				
26	20.28	18.67	20.11	18.18	28.30	18.57	20.37	18.97			F 17.15	
27	19.45	18.49	19.84	18.70	28.13	19.87	19.75	18.02		F 17.32		
28	19.08		22.05	19.36	27.93	25.90	18.87					
29	18.83	-----	22.20	19.34	27.71	27.47	18.48 F	17.75		F 17.83		18.60
30	18.60	-----	27.04	18.74	27.42	28.14	17.93	20.65		F 16.82	17.97	25.67
31	18.45	-----	27.04	-----	26.98	-----	17.85	19.33	-----	-----	-----	25.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	23.54	18.45	20.55	19.49	24.09	24.95	24.93	18.17	17.66	16.83	17.65	21.00
MAX	26.81	21.63	27.04	26.71	28.74	28.14	28.76	20.65	18.09	16.85	17.97	25.98
MIN	18.45	17.00	17.53	17.73	17.69	18.43	17.85	17.48	17.18	16.82	16.98	17.15
DAYS	31	27	19	30	31	30	31	16	6	3	6	12

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 242

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 21.80.

HIGHEST STAGE WAS 28.80 AT 10:20 A.M. ON MAY 22.

LOWEST STAGE WAS 16.82 ON OCT 16 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU COURTABLEAU AT COURTABLEAU, LA.

LOCATION. LAT. 30-32-44. LONG. 91-52-28. ON U. S. HIGHWAY 190 BRIDGE. (STA. 5835012E.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1946. DAILY, SEP. 1, 1946 TO DATE.

EXTREMES. HIGHEST, 24.8 FEET ON MAY 25, 1953. LOWEST, 10.55 FEET ON SEP. 15, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.79	16.77	18.09	18.80	17.87	18.22	19.25	18.00	17.92	17.31	15.58	16.18
2	18.63	17.53	18.04	18.56	17.80	18.15	19.25	18.02	17.88	16.52	15.60	16.35
3	18.42	17.80	18.79	18.43	17.80	18.08	19.42	18.01	17.80	15.80	15.53	16.40
4	18.19	16.55	18.12	18.22	17.77	18.03	19.53	17.96	17.80	15.60	15.49	16.00
5	17.42	16.13	17.84	18.09	18.20	17.99	19.55	17.90	17.80	15.86	15.43	15.58
6	17.00	16.20	17.43	17.87	17.08	18.30	19.40	17.80	17.72	16.02	15.42	15.70
7	18.06 F	16.82	18.38	17.80	18.46	18.24	19.29	17.70	17.72	16.14	16.16	17.15
8	17.78	17.16	18.36	17.98	18.37	18.40	19.20	17.77	17.70	16.23	16.30	18.73
9	17.49	17.39	18.26	17.90	18.13	18.45	19.11	17.75	17.69	16.30	15.40	17.53
10	18.81	17.42	18.11	17.80	17.93	18.28	19.05	17.75	17.70	16.31	15.40	16.70
11	18.25	17.37	18.00	17.54	17.68	18.30	18.99	17.69	17.80	16.28	15.43	16.16
12	18.05	17.20	17.88	17.94	17.38	18.25	18.97	17.84	17.90	16.24	15.45	16.07
13	17.98	17.00	17.75	17.99	17.60	18.05	18.90	17.90	17.84	16.19	15.47	15.46
14	18.30	16.78	17.60	17.94	17.80	17.89	19.20	17.87	17.80	16.13	15.85	15.90
15	18.22	16.50	17.70	17.91	17.93	18.85	19.17	17.75	17.80	16.10	15.30	16.32
16	18.04	16.34	17.90	17.80	18.10	18.80	19.08	17.65	17.70	16.04	14.89	15.84
17	17.87	16.10	17.95	17.65	18.73	18.52	19.00	17.57	17.72	16.07	15.21	15.90
18	17.47	15.76	17.95	17.66	18.29	18.29	18.90	17.74	17.72	15.24	15.44	16.17
19	18.47	15.38	17.95	17.68	19.62	18.10	18.80	17.80	17.70	15.51	15.53	16.30
20	18.60	15.10	17.90	17.64	19.39	17.87	18.88	17.88	17.69	15.70	15.59	15.68
21	18.50	15.35	18.05	17.59	19.30	18.02	18.74	17.88	17.80	15.80	15.60	15.83
22	18.29	18.00	18.59	17.69	19.25	17.90	18.60	17.84	17.89	15.90	15.63	16.19
23	18.07	18.24	18.52	17.72	19.18	18.04	18.46	17.87	17.89	15.99	16.35	15.76
24	17.85	18.18	18.39	17.79	18.76	17.85	18.44	17.87	17.82	16.03	15.80	15.74
25	17.54	18.31	18.23	17.82	18.58	17.64	18.30	17.86	17.82	16.08	15.37	
26	17.21	18.35	18.02	17.82	18.50	17.43	18.20	17.88	17.82	16.10	15.85 F	13.92
27	17.00	18.32	17.96	17.81	18.48	17.98	17.97	17.89	17.82	16.06	16.18	14.19
28	17.90	18.20	18.15	17.81	18.42	19.53	17.69	17.86	17.80	15.95	16.54	14.85
29	17.96	-----	18.16	17.85	18.40	19.15	18.05	17.98	17.82	15.84	15.99	16.20
30	17.90	-----	18.95	17.89	18.33	19.20	17.88	18.02	17.83	15.74	15.89	18.73
31	17.26	-----	19.02	-----	18.57	-----	17.63	18.03	-----	15.65	-----	18.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.98	17.01	18.13	17.90	18.31	18.26	18.80	17.85	17.79	16.02	15.66	16.20
MAX	18.81	18.35	19.02	18.80	19.62	19.53	19.55	18.03	17.92	17.31	16.54	18.73
MIN	17.00	15.10	17.43	17.54	17.08	17.43	17.63	17.57	17.69	15.24	14.89	13.92
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.50.

HIGHEST STAGE WAS 19.62 AT 8:00 A.M. ON MAY 19.

LOWEST STAGE WAS 13.88 ON DEC 26.

DAILY STAGE FOR 1989

BAYOU COURTABLEAU ABOVE DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-58, LONG. 91-51-30. ON RIGHT BANK OF INLET CHANNEL, 500 FEET ABOVE DRAINAGE STRUCTURE, 1.7 MILES SOUTHEAST OF COURTABLEAU, LA. (STA. 5840012E.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 18, 1957 TO DATE.

EXTREMES. HIGHEST, 20.60 FEET ON FEB. 7, 1974. LOWEST, 10.30 FEET ON OCT. 28, 1974.

DAILY SEVEN A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.60	16.85	18.05	18.75	17.85	18.00	18.90	17.95	18.05	17.40	15.60	16.00
2	18.50	17.55	18.05	18.50	17.80	18.00	19.00	17.85	18.00	16.60	15.60	16.30
3	18.30	17.80	18.70	18.35	17.80	17.90	19.00	18.00	17.95	15.90	15.70	16.20
4	18.05	17.30	17.95	18.20	17.75	17.80	19.10	17.95	17.85	15.60	15.60	16.00
5	17.30	15.90	17.55	18.05	18.50	17.75	19.15	17.85	17.80	15.80	15.60	15.70
6	16.95	16.20	17.35	17.90	16.90	18.10	19.15	17.80	17.80	15.60	15.50	15.60
7	18.05	16.70	18.35	17.80	18.45	18.05	19.00	17.70	17.90	15.70	15.60	16.50
8	17.75	17.10	18.35	17.95	18.35	18.15	19.00	17.70	17.95	15.70	15.70	18.60
9	17.45	17.40	18.20	17.90	18.15	18.20	18.90	17.70	17.95	16.40	15.70	17.50
10	18.70	17.40	18.10	17.80	17.95	18.00	18.90	17.70	17.85	16.40	15.60	16.70
11	18.00	17.30	18.05	17.60	17.70	18.20	18.85	17.70	17.75	16.40	15.70	16.20
12	17.90	17.15	17.90	17.95	17.40	18.10	18.85	17.75	17.90	16.40	15.50	16.10
13	17.70	17.00	17.90	18.00	17.60	17.95	18.70	17.80	17.90	16.30	15.60	15.50
14	17.70	16.80	17.60	17.95	17.70	17.95	18.95	17.80	17.80	16.30	15.50	15.80
15	18.00	16.50	17.70	17.90	17.90	18.55	18.90	17.70	17.80	16.00	15.70	16.30
16	17.80	16.40	17.90	17.80	18.05	18.55	18.85	17.65	17.75	16.00	15.70	15.80
17	17.65	16.10	17.95	17.70	18.65	18.30	18.80	17.60	17.75	16.10	15.60	15.90
18	17.35	15.70	17.95	17.70	18.15	18.15	18.70	17.60	17.70	15.50	15.70	16.10
19	18.20	15.35	17.95	17.70	19.25	18.30	18.65	17.70	17.70	15.50	15.60	16.30
20	18.35	15.10	17.95	17.70	18.95	17.75	18.70	17.80	17.70	15.50	15.50	15.80
21	18.20	15.30	18.00	17.70	18.85	18.00	18.70	17.80	17.75	15.60	15.70	15.90
22	18.00	18.30	18.50	17.75	18.85	17.75	18.50	17.85	17.85	15.60	15.60	15.80
23	17.90	18.10	18.40	17.75	18.70	18.00	18.40	17.85	17.80	16.00	16.20	15.50
24	17.70	18.05	18.30	17.80	18.45	17.80	18.30	17.90	17.80	16.00	16.10	15.30
25	17.45	18.10	18.15	17.80	18.30	17.60	18.20	17.90	17.80	16.20	16.00	15.20
26	17.05	18.15	18.05	17.85	18.30	17.40	18.05	17.90	17.80	16.20	15.90	14.80
27	16.95	18.20	17.95	17.85	18.20	17.90	17.95	17.90	17.80	16.20	15.80	14.70
28	17.90	18.20	18.10	17.85	18.20	19.20	17.65	17.90	17.80	16.10	16.50	14.60
29	17.95	-----	18.10	17.85	18.10	18.70	17.65	17.95	17.80	16.10	16.00	14.80
30	17.90	-----	18.70	17.90	18.10	18.80	17.65	18.05	17.80	15.70	15.90	18.80
31	17.25	-----	18.80	-----	18.60	-----	17.65	18.05	-----	15.70	-----	18.30

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.82	17.00	18.08	17.91	18.18	18.09	18.60	17.82	17.83	16.02	15.73	16.08
MAX	18.70	18.30	18.80	18.75	19.25	19.20	19.15	18.05	18.05	17.40	16.50	18.80
MIN	16.95	15.10	17.35	17.60	16.90	17.40	17.65	17.60	17.70	15.50	15.50	14.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 17.43

HIGHEST STAGE WAS 19.25 ON MAY 19.

LOWEST STAGE WAS 14.60 ON DEC 28.

DAILY GATE-OPENINGS FOR 1989
BAYOU COURTABLEAU DRAINAGE STRUCTURE

PHYSICAL DATA. DRAINAGE STRUCTURE CONSISTS OF FIVE GATES, EACH TEN FEET WIDE. ALL GATES ARE OPEN THE SAME AMOUNT UNLESS OTHERWISE NOTED.

DAILY SEVEN A.M. GATE OPENINGS IN FEET

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15	5	3 B	15	0	15	15	0	0	0	0	0
2	15	0	3	15	0	15	15	0	0	0	0	0
3	15	0	3	15	0	15	15	0	0	0	0	0
4	15	5	10	15	0	15	15	0	0	0	0	0
5	15	5	10	15	0	15	15	0	0	0	0	0
6	15 A	4	10	15	15	15	15	0	0	0	0	0
7	3	0	0	15	0	15	15	0	0	0	0	0
8	5	0	0	5	0	15	15	0	0	0	0	5
9	5	0	0	5	0	15	15	0	0	0	0	15
10	5	0	0	5	0	15	15	0	0	0	0	15
11	15	0	0	5	0	15	15	0	0	0	0	15
12	15	0	0	0	0	15	15	0	0	0	0	3
13	15	0	0	0	0	15	15	0	0	0	0	3
14	15	0	0	0	0	15	15	0	0	0	0	0
15	15	0	0	0	0	15	15	0	0	0	0	0
16	15	0	0	0	0	15	15	0	0	0	0	0
17	15	0	0	0	0	15	15	0	0	0	0	0
18	15	0	0	0	10	15	15	0	0	0	0	0
19	15	0	0	0	10	15	15	0	0	0	0	0
20	15	0	0	0	15	15	15	0	0	0	0	0
21	15	0	0	0	15 C	10	15	0	0	0	0	0
22	15	0	5	0	15 C	10	15	0	0	0	0	0
23	15	5	15	0	15	3	15	0	0	0	0	0
24	15	5	15	0	15	3	15	0	0	0	0	0
25	15	3	15	0	15	3	15	0	0	0	0	0
26	15	3	15	0	15	3	15	0	0	0	0	0
27	15	3	15	0	15	0	15	0	0	0	0	0
28	3	3	15	0	15	0	15	0	0	0	0	0
29	3	-----	15	0	15	15	3	0	0	0	0	0
30	3	-----	15	0	15	15	3	0	0	0	0	10
31	5	-----	15	-----	15	-----	3	0	-----	0	-----	10

A - 1 GATE OPEN 4 FEET, 4 GATES CLOSED.
B - 4 GATES OPEN 15 FEET, 1 GATE OPEN 6 FEET.
C - 1 GATE OPEN 10 FEET, 4 GATES OPEN 8 FEET.

DAILY STAGE FOR 1989

BAYOU COURTABLEAU AT DRAINAGE STRUCTURE (LA.)

LOCATION. LAT. 30-31-57, LONG. 91-51-26. ON SOUTHWEST WING WALL OF DRAINAGE STRUCTURE. (STA. 5845012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1956 TO 1957. DAILY, MAR. 28, 1957 TO DATE.

EXTREMES. HIGHEST, 20.50 FEET ON APR. 19, 1973 AND FEB. 2 AND 3, 1974. LOWEST, 10.56 FEET ON AUG. 21, 1962.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.43	16.80	18.02	18.56	17.82	17.88	18.65	17.90	17.90	17.34	15.52	16.10
2	18.32	17.59	17.99	18.40	17.77	17.81	18.67	17.93	17.84	16.57	15.53	16.28
3	18.13	17.84	18.67	18.28	17.75	17.74	18.83	17.92	17.79	15.78	15.46	16.34
4	18.00	16.54	17.94	18.11	17.70	17.72	18.95	17.87	17.77	15.57	15.42	15.96
5	17.26	15.95	17.68	17.98	18.54	17.68	18.98	17.82	17.78	15.83	15.37	15.56
6	16.85	16.31	17.31	17.81	16.90	17.97	18.94	17.74	17.78	15.99	15.34	15.67
7	18.00	16.85	18.33	17.75	18.35	17.94	18.86	17.63	17.77	16.12	16.07	16.88
8	17.72	17.23	18.32	17.94	18.28	18.06	18.81	17.69	17.75	16.20	16.25	18.51
9	17.44	17.42	18.21	17.88	18.12	18.11	18.76	17.67	17.73	16.26	15.39	17.42
10	18.66	17.42	18.07	17.76	17.92	17.96	18.71	17.67	17.73	16.30	15.33	16.65
11	17.94	17.31	17.96	17.58	17.68	17.97	18.74	17.61	17.79	16.26	15.36	16.12
12	17.80	17.11	17.86	17.93	17.40	17.94	18.71	17.74	17.87	16.21	15.37	16.04
13	17.67	16.95	17.78	17.96	17.58	17.81	18.66	17.80	17.84	16.15	15.38	15.42
14	17.96	16.80	17.53	17.94	17.78	17.65	18.88	17.77	17.80	16.11	15.79	15.84
15	17.94	16.53	17.86	17.92	17.89	18.44	18.84	17.68	17.77	16.07	15.28	16.27
16	17.77	16.36	17.84	17.83	18.04	18.42	18.77	17.58	17.69	16.04	14.84	15.80
17	17.59	16.10	18.20	17.67	18.62	18.19	18.71	17.48	17.73	16.04	15.15	15.84
18	17.29	15.73	18.25	17.69	18.12	18.00	18.63	17.65	17.73	15.23	15.37	16.11
19	18.13	15.35	18.26	17.70	19.22	17.84	18.55	17.71	17.70	15.47	15.47	16.27
20	18.23	15.02	18.15	17.70	18.90	17.63	18.64	17.77	17.67	15.64	15.53	15.68
21	18.15	15.75	17.97	17.65	18.85	17.86	18.53	17.77	17.77	15.76	15.56	15.77
22	17.96	18.20		17.72	18.80	17.77	18.40	17.79	17.84	15.85	15.57	16.11
23	17.80	18.10		17.77	19.08	17.91	18.29	17.82	17.85	15.94	16.25	15.44
24	17.61	18.10		17.80	18.31	17.73	18.25	17.81	17.83	16.00	15.75 F	14.64
25	17.35	18.20		17.80	18.17	17.53	18.14	17.82	17.80	16.03	15.33 F	14.23
26	17.08	18.23		17.79	18.11	17.33	17.97	17.82	17.78	16.05	15.75	13.92
27	16.88 F	18.18 F	17.88	17.78	18.08	17.83	17.80	17.83	17.78	16.03	16.07	14.48
28	17.82	18.13	18.05	17.80	18.03	19.24	17.55	17.82	17.77	15.92	16.48	15.11
29	17.86	-----	18.05	17.84	18.00	18.53	17.96	17.89	17.79	15.82	15.93	16.36
30	17.79	-----	18.70	17.86	17.98	18.60	17.78	17.97	17.80	15.69	15.80	18.79
31	17.18	-----	18.75	-----	18.31	-----	17.57	17.98	-----	15.59	-----	18.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.76	17.00	18.06	17.87	18.13	17.97	18.50	17.77	17.78	16.00	15.59	16.06
MAX	18.66	18.23	18.75	18.56	19.22	19.24	18.98	17.98	17.90	17.34	16.48	18.79
MIN	16.85	15.02	17.31	17.58	16.90	17.33	17.55	17.48	17.67	15.23	14.84	13.92
DAYS	31	28	26	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.37.

HIGHEST STAGE WAS 19.26 AT 10:45 A.M. ON MAY 19.

LOWEST STAGE WAS 13.84 ON DEC 26.

DAILY STAGE FOR 1989

WABPL BORROW PIT NEAR COURTABLEAU, LA.

LOCATION. LAT. 30-31-01, LONG. 91-51-35. ABOUT 500 FEET BELOW JUNCTION WITH BAYOU COURTABLEAU DIVERSION CHANNEL, 1.2 MILES SOUTH OF COURTABLEAU CONTROL STRUCTURE. (STA. 5855012E.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 24, 1954, GAGE WAS KNOWN AS, WEST CONNECTING DITCH, STATION 70+00.

RECORDS AVAILABLE. INTERMITTENTLY, 1940 TO 1950, 1953, AND 1955 TO 1956. DAILY, JUNE 24, 1954, TO FEB. 5, 1955, AND AUG. 28, 1956 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 23.6 FEET ON MAY 25, 1953. LOWEST, CHANNEL DRY ON JUNE 24, 1954, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.70	1.67	1.38	4.48	1.28	2.22	8.95	2.32	1.72	1.12	1.12	0.28
2	4.27	1.70	1.50	3.66	1.04	2.38	8.29	2.70	1.62	1.48	1.21	0.48
3	2.96	1.80	3.55	3.32	1.15	2.59	9.44	2.50	1.45	1.58	0.99	0.23
4	2.04	0.95	2.16	2.84	1.65	2.34	10.19	2.25 E	1.30	1.42	0.92	0.10
5	1.63	0.83	1.95	2.35	4.19	2.29	10.65	1.96 E	1.38	1.38	1.09	0.40
6	1.80	0.79	1.37	1.68	2.07	4.60	9.78	1.67	1.70	1.58	1.38	0.58
7	2.20 F	0.46	1.89	1.50	2.69	3.25	9.03	1.30	1.89	1.62	1.50	3.00
8	1.83	0.26	1.82	1.54	2.39	3.33	8.60	1.50 E	1.88	1.22	1.87	6.72
9	1.33	0.12	1.41	1.57	2.15	3.50	7.90	1.26 E	1.77	0.99	1.68	2.82
10	3.80	0.20	1.04	1.09	1.86	2.80	7.37	1.05 E	1.70	1.09	1.40	1.45
11	2.28	0.66	1.02	0.58	1.22	2.50	7.00	1.10	1.71	1.20	1.39	1.50
12	1.90	0.93	1.05	0.90	1.20	2.60	6.70	1.11	1.70	1.42	1.44	1.24
13	1.75	1.30	1.10	1.18	1.38	2.32	6.25	1.20	1.70	1.55	1.54	0.80
14 F	1.92	1.68	1.58	1.33	1.89	2.13	7.86	1.28	1.72	1.54	1.70	0.65
15		1.83	1.67		1.70	6.59	9.45	1.33	1.65	1.67	2.35	0.87
16		1.70	1.56		1.71	5.80	8.65	1.46		2.10	2.39	0.27
17 F	1.05	1.17	1.84 F	1.35	3.38	4.12	7.80	1.50		2.40	1.35	0.12
18	1.21	0.85	1.80	1.32	2.50	3.06	7.10	1.63	1.25	1.61	1.15	0.18
19	4.75	0.72	1.55	1.30	9.49	2.53	6.36	1.61	1.27	0.89	1.04	0.48
20	4.45	1.09	1.60	1.07	8.35	2.03	7.75	1.56	1.35	0.43	1.01	0.22
21	3.85	1.48	1.80	0.81	7.28	1.98	7.10	1.48	1.40	0.38	0.98	0.23
22	2.56	1.75	2.85	0.94	7.35	1.91	5.71	1.50	1.48	0.78	1.05	
23	1.93	0.95	3.07	1.20	6.09	2.36	4.63	1.67		0.92	1.45	
24	1.80	0.70	2.33	1.42	5.00	2.12	4.45	1.81		1.02	0.82 F	-0.22
25	1.58	1.00	1.90	1.60	4.08	2.11	3.62	1.86	0.59	1.00	1.00	-0.20
26	1.45	1.34	1.82	1.62	3.68	2.19	3.15	1.75 F	0.69	1.01	1.20	-0.18
27	1.16	1.59	1.83	1.60	3.40	2.50	2.69	1.64	0.87	1.07	1.49	0.00
28	1.30	1.70	2.18	1.79	3.02	8.30	2.31	1.53	1.05	1.14	1.50	0.19
29	1.57	-----	2.44	1.78	2.60	9.15	2.26	1.54	1.15	1.29	0.80	1.00
30	1.49	-----	4.70	1.62	2.40	9.20	1.98	1.64	0.98	1.48	0.45	7.05
31	1.34	-----	5.27	-----	3.33	-----	1.88	1.70	-----	1.30	-----	4.43

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.31	1.11	2.03	1.69	3.27	3.49	6.61	1.63	1.42	1.28	1.31	1.20
MAX	5.70	1.83	5.27	4.48	9.49	9.20	10.65	2.70	1.89	2.40	2.39	7.05
MIN	1.05	0.12	1.02	0.58	1.04	1.91	1.88	1.05	0.59	0.38	0.45	-0.22
DAYS	29	28	31	28	31	30	31	31	26	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.31.

HIGHEST STAGE WAS 10.72 AT 1:00 A.M. ON JUL 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.26 ON DEC 26.

DAILY STAGE FOR 1989

WABPL BORROW PIT (LS) AT NEW HENDERSON LANDING, LA.

LOCATION. LAT. 30-18-47, LONG. 91-47-20. ON WABPL BRIDGE. (STA. 5860012D.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. FROM 1932, GAGE WAS KNOWN AS HENDERSON LS

RECORDS AVAILABLE. JAN. 13, 1932 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON MAR. 11, 1932. LOWEST, MINUS 0.95 FOOT ON JAN. 13, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.23	1.56	1.24	3.18	1.26	2.00	6.94	2.37	1.64	1.15	1.14	0.29
2	3.20	1.63	1.38	2.79	1.06	2.24	6.36	2.66	1.55	1.49	1.26	0.51
3	2.33	1.73	2.15	2.72	1.18	2.48	6.85	2.48	1.40	1.56	1.02	0.33
4	1.74	0.95	2.04	2.50	1.61	2.32	7.25	2.21	1.26	1.43	0.92	0.12
5	1.57	0.78	2.02	2.18	3.00	2.27	7.62	1.95	1.46	1.37	1.09	0.42
6	1.74	0.76	1.35	1.64	2.05	4.25	7.17	1.64	1.76	1.53	1.34	0.58
7	1.97	0.53	1.19	1.53	2.00	2.97	6.77	1.33	1.96	1.60	1.42	2.64
8	1.80	0.26	1.05	1.47	1.84	3.07	6.46	1.61	1.95	1.25	1.87	5.24
9	1.35	0.13	0.88	1.58	1.95	3.07	5.93	1.21	1.90	1.02	1.72	2.82
10	2.07	0.14	0.73	1.20	1.84	2.63	5.50	1.14	1.83	1.13	1.44	1.47
11	1.84	0.57	0.85	0.65	1.25	2.38	5.20	1.16	1.76	1.29	1.46	1.47
12	1.74	0.90	0.95	0.87	1.23	2.39	4.94	1.14	1.83	1.50	1.44	1.31
13	1.63	1.23	1.02	1.16	1.38	2.26	4.66	1.22	1.80	1.62	1.54	0.79
14	1.59	1.58	1.34	1.36	1.75	2.18	6.25	1.32	1.90	1.60	1.67	0.61
15	1.70	1.74	1.50	1.48	1.65	5.49	7.43	1.36	1.76	1.67	2.37	0.84
16	1.28	1.62	1.45	1.24	1.54	4.82	6.86	1.40	1.41	2.08	2.39	0.35
17	1.05	1.19	1.65	1.35	2.10	3.53	6.07	1.48	1.26	2.31	1.40	0.18
18	1.18	0.87	1.68	1.33	2.23	2.85	5.50	1.55	1.26	1.72	1.17	0.25
19	4.06	0.71	1.47	1.31	6.87	2.46	4.96	1.49	1.36	0.97	1.09	0.52
20	3.57	1.07	1.50	1.08	6.38	2.08	6.23	1.41	1.51	0.50	1.02	0.31
21	3.05	1.55	1.69	0.78	5.61	1.88	5.85	1.47	1.53	0.36	0.97	0.30
22	2.15	1.23	1.65	0.90	5.75	1.95	4.80	1.60	1.49	0.76	1.02	-0.17
23	1.78	0.71	2.15	1.14	4.86	2.21	3.92	1.85	1.33	0.93	1.45	-0.42
24	1.75	0.47	1.67	1.35	4.02	2.14	3.87	1.90	0.93	1.05	0.84	-0.34
25	1.54	0.60	1.55	1.52	3.37	2.16	3.35	1.83	0.58	1.07	0.98	-0.22
26	1.40	0.92	1.69	1.56	3.20	2.17	3.01	1.71	0.71	1.07	1.23	-0.17
27	1.17	1.24	1.68	1.52	2.92	2.43	2.66	1.63	0.90	1.13	1.47	-0.01
28	1.24	1.45	1.93	1.67	2.61	6.67	2.35	1.55	1.09	1.17	1.59	0.19
29	1.46	-----	2.23	1.68	2.21	7.42	2.21	1.66	1.18	1.34	0.91	0.80
30	1.41	-----	3.36	1.56	1.99	7.26	2.04	1.64	0.99	1.47	0.47	4.95
31	1.32	-----	3.57	-----	2.37	-----	1.95	1.70	-----	1.40	-----	3.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.93	1.00	1.63	1.54	2.68	3.13	5.19	1.63	1.44	1.31	1.32	0.96
MAX	4.23	1.74	3.57	3.18	6.87	7.42	7.62	2.66	1.96	2.31	2.39	5.24
MIN	1.05	0.13	0.73	0.65	1.06	1.88	1.95	1.14	0.58	0.36	0.47	-0.42
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.99.

HIGHEST STAGE WAS 7.65 AT 8:00 P.M. ON JUL 4.

LOWEST STAGE WAS MINUS 0.52 ON DEC 22.

DAILY STAGE FOR 1989

CATAMOU LAKE AT CATAMOU LA, LA.

LOCATION. LAT. 30-12-40, LONG. 91-42-08. ON HIGHWAY 96 BRIDGE. (STA. 5865012D.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1939. DAILY, 1940 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 15.8 FEET ON MAR. 11, 1932. LOWEST, MINUS 1.01 FEET ON JAN. 13, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.15	1.52	1.12	2.69	1.20	1.83	5.66	2.30	1.54	1.11	1.11	0.27
2	2.60	1.57	1.25	2.54	0.99	2.07	5.30	2.57	1.46	1.43	1.25	0.48
3	2.07	1.66	1.80	2.54	1.16	2.27	5.40	2.36	1.31	1.45	0.91	0.25
4	1.63	0.95	1.95	2.42	1.59	2.17	5.64	2.10	1.17	1.36	0.88	0.07
5	1.55	0.80	1.99	2.10	2.57	2.14	5.91	1.85	1.40	1.30	1.07	0.40
6	1.75	0.78	1.34	1.60	1.93	3.62	5.74	1.55	1.68	1.48	1.29	0.62
7	1.93	0.55	1.02	1.52	1.75	2.70	5.55	1.23	1.88	1.54	1.47	2.27
8	1.83	0.27	0.83	1.42	1.57	2.78	5.27	1.41	1.89	1.25	1.82	4.00
9	1.37	0.12	0.72	1.55	1.81	2.77	4.90	1.12	1.87	0.98	1.63	2.24
10	1.63	0.15	0.64	1.16	1.70	2.43	4.60	1.09	1.79	1.10	1.35	1.34
11	1.74	0.59	0.80	0.64	1.15	2.23	4.38	1.12	1.73	1.25	1.35	1.38
12	1.63	0.86	0.93	0.85	1.13	2.25	4.17	1.11	1.72	1.48	1.40	1.08
13	1.56	1.19	1.00	1.12	1.30	2.21	3.94	1.16	1.72	1.58	1.49	0.65
14	1.48	1.51	1.29	1.30	1.63	2.17	5.30	1.25	1.84	1.53	1.65	0.63
15	1.55	1.66	1.48	1.42	1.58	4.44	6.05	1.30	1.69	1.65	2.23	0.87
16	1.22	1.55	1.45	1.19	1.45	3.99	5.75	1.32	1.33	1.99	2.11	0.28
17	1.02	1.12	1.64	1.35	1.82	3.13	5.17	1.39	1.16	2.25	1.26	0.19
18	1.16	0.79	1.67	1.30	2.14	2.64	4.70	1.44	1.19	1.62	1.17	0.27
19	3.30	0.65	1.45	1.30	5.37	2.32	4.30	1.37	1.30	0.88	1.07	0.45
20	3.01	0.93	1.50	1.03	5.11	1.96	4.91	1.30	1.44	0.40	1.02	0.24
21	2.54	1.47	1.65	0.74	4.57	1.75	4.80	1.37	1.46	0.33	0.93	0.24
22	1.94	1.05	1.42	0.86	4.53	1.85	4.12	1.57	1.45	0.72	0.97	-0.24
23	1.71	0.48	1.73	1.10	4.00	2.05	3.60	1.81	1.28	0.89	1.25	-0.39
24	1.70	0.25	1.44	1.30	3.50	2.02	3.58	1.87	0.83	1.03	0.76	
25	1.50	0.38	1.43	1.50	3.05	2.07	3.17	1.79	0.51	1.02	0.95	
26	1.36	0.67	1.69	1.65	2.94	2.09	2.89	1.67	0.65	1.03	1.18	-0.25
27	1.15	1.03	1.67	1.65	2.69	2.37	2.57	1.57	0.86	1.07	1.38	-0.08
28	1.18	1.30	1.86	1.60	2.33	5.43	2.30	1.47	1.05	1.13	1.50	0.14
29	1.41	-----	2.17	1.60	1.96	5.96	2.12	1.54	1.13	1.28	0.84	0.65
30	1.35	-----	2.97	1.47	1.79	5.88	1.96	1.52	0.91	1.42	0.39	3.45
31	1.27	-----	2.99	-----	2.01	-----	1.85	1.58	-----	1.27	-----	3.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.75	0.92	1.51	1.48	2.33	2.79	4.37	1.55	1.37	1.25	1.26	0.85
MAX	3.30	1.66	2.99	2.69	5.37	5.96	6.05	2.57	1.89	2.25	2.23	4.00
MIN	1.02	0.12	0.64	0.64	0.99	1.75	1.85	1.09	0.51	0.33	0.39	-0.39
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 1.80.

HIGHEST STAGE WAS 6.05 AT 8:00 A.M. ON JUL 15.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.51 ON DEC 22.

DAILY STAGE FOR 1989

WABPL BORROW PIT (LS) AT LOWER GRAND BAYOU (LA.)

LOCATION. LAT. 30-04-26, LONG. 91-37-23. ON PILING AT LEVEE STATION 3907+00 IN LAKE DAUTERIVE, JUST WEST OF GRAND BAYOU. (STA. 58700120.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1936 TO 1943. DAILY, JAN. 2, 1944 TO DATE.

EXTREMES. HIGHEST, 8.6 FEET FROM JUNE 6 TO 8, 1953. LOWEST, MINUS 0.30 FOOT ON NOV. 3, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1976 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.88	1.56	1.17	2.15	1.34	1.87	4.31	2.32	1.57	1.17	1.20	0.35
2	1.87	1.60	1.32	2.38	1.13	2.09	4.27	2.58	1.48	1.48	1.36	0.55
3	1.82	1.70	1.65	2.40	1.34	2.23	4.21	2.38	1.32	1.50	1.00	0.42
4	1.55	1.09	1.99	2.44	1.74	2.22	4.31	2.16	1.21	1.43	0.96	0.14
5	1.57	1.00	2.10	2.10	2.24	2.24	4.38	1.88	1.46	1.40	1.14	0.45
6	1.83	0.95	1.40	1.66	2.02	2.80	4.32	1.60	1.76	1.58	1.35	0.59
7	1.93	0.70	1.00	1.57	1.69	2.57	4.32	1.30	1.95	1.64	1.46	1.49
8	1.93	0.42	0.76	1.47	1.52	2.75	4.23	1.34	1.97	1.37	1.66	2.09
9	1.47	0.26	0.72	1.59	1.86	2.65	4.08	1.15	1.94	1.08	1.70	1.80
10	1.34	0.25	0.70	1.25	1.82	2.37	3.83	1.17	1.87	1.21	1.43	1.36
11	1.72	0.69	0.87	0.73	1.28	2.26	3.70	1.21	1.82	1.36	1.43	1.44
12	1.70	0.94	1.01	0.93	1.25	2.27	3.55	1.20	1.78	1.58	1.46	1.17
13	1.57	1.25	1.08	1.19	1.40	2.27	3.37	1.26	1.80	1.67	1.55	0.73
14	1.50	1.55	1.33	1.35	1.73	2.24	3.70	1.35	1.90	1.60	1.69	0.63
15	1.51	1.68	1.55	1.51	1.70	3.17	3.91	1.37	1.77	1.72	2.19	0.86
16	1.29	1.62	1.55	1.29	1.54	3.07	3.80	1.40	1.38	2.04	1.98	0.43
17	1.10	1.22	1.69	1.47	1.83	2.80	3.88	1.47	1.21	2.15	1.31	0.25
18	1.24	0.91	1.77	1.43	2.15	2.57	3.85	1.50	1.26	1.70	1.23	0.33
19	1.99	0.80	1.54	1.42	3.12	2.34	3.68	1.43	1.40	0.99	1.15	0.60
20	2.17	1.07	1.63	1.14	3.25	2.05	3.63	1.35	1.53	0.47	1.07	0.34
21	1.99	1.57	1.73	0.85	3.18	1.78	3.58	1.43	1.56	0.41	1.01	0.36
22	1.84	1.10	1.35	0.99	3.14	1.92	3.45	1.60	1.55	0.81	1.04	-0.02
23	1.74	0.57	1.33	1.21	3.10	2.04	3.24	1.86	1.36	0.98	1.15 F	-0.21
24	1.76	0.30	1.30	1.42	2.95	2.10	3.26	1.94	0.91	1.13	0.79	
25	1.59	0.43	1.40	1.57	2.83	2.17	3.03	1.84	0.61	1.13	1.00	
26	1.44	0.70	1.77	1.62	2.81	2.19	2.81	1.74	0.76	1.14	1.20 F	-0.15
27	1.25	1.05	1.73	1.57	2.58	2.39	2.58	1.63	0.97	1.16	1.37	-0.03
28	1.22	1.31	1.85	1.67	2.27	3.36	2.34	1.53	1.14	1.23	1.54	0.19
29	1.46	-----	2.18	1.71	1.93	4.19	2.13	1.54	1.18	1.36	0.95	0.49
30	1.40	-----	2.57	1.57	1.82	4.30	2.00	1.54	1.02	1.50	0.48	1.47
31	1.35	-----	2.37	-----	1.90	-----	1.90	1.57	-----	1.39	-----	2.23

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.61	1.01	1.50	1.52	2.08	2.51	3.54	1.60	1.45	1.33	1.30	0.70
MAX	2.17	1.70	2.57	2.44	3.25	4.30	4.38	2.58	1.97	2.15	2.19	2.23
MIN	1.10	0.25	0.70	0.73	1.13	1.78	1.90	1.15	0.61	0.41	0.48	-0.21
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.69.

HIGHEST STAGE WAS 4.48 AT 4:30 P.M. ON JUL 4.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.21 ON DEC 22 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU BOEUF NEAR WOODWORTH, LA.

LOCATION. LAT. 31-12-08, LONG. 92-30-38. ON U. S. HIGHWAY 165 BRIDGE, 3.8 MILES NORTH OF WOODWORTH, LA.
(STA. 6125015.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DAILY, MAY 4, 1939 TO JUNE 30, 1942, AND SEP. 27, 1962 TO DATE.
INTERMITTENTLY, 1942 TO 1957.

EXTREMES. HIGHEST, 72.4 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 59.59 FEET ON JUNE 17, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	65.71	63.82	63.91		63.39			63.28		62.89	62.64	62.84
2	65.76	63.89	62.82		62.86			63.18		62.90	62.66	62.80
3	65.60	64.00	63.76		62.56			63.04		62.89	62.64	62.75
4	65.57	64.19	63.77		62.49			62.92		62.89	62.63	62.70
5	64.54	64.06	63.74		65.17			62.81		62.89	62.64	62.69
6	63.80	64.15	63.34		64.78			62.74		62.89	62.67	62.70
7	63.42	64.36	62.81	63.84	63.80					62.98	62.80	63.23
8	63.67	64.51	62.67	63.27	63.20					62.97	62.84	64.11
9	63.88	64.72	62.74	63.44	62.95	63.50				62.96	62.81	63.54
10	64.75	64.49	62.61	63.66	62.77	63.11				62.95	62.78	63.24
11	64.82	64.16	63.45	63.85	62.82	63.10				62.94	62.76	63.10
12	65.46	63.99	63.09	63.57	62.65	62.91		62.44		62.95	62.74	62.95
13	66.65	63.65		63.43	62.57	62.82		62.39		62.94	62.73	62.87
14	66.87			63.01	63.45	62.96		62.34		62.95	62.66	62.82
15	66.94			62.89	63.13			62.28		62.95	62.78	62.80
16	67.07			62.91	63.65			62.27		63.01	62.82	62.73
17	66.32			62.88	65.97			62.28		63.03	62.73	62.70
18	65.27			62.81	67.47			62.27		63.00	62.67	62.72
19	66.39			62.71				62.35		62.99	62.66	62.94
20	66.79							62.32		62.97	62.66	62.95
21	67.03							62.33		62.97	62.64	62.87
22	66.72			62.63				62.26		63.00	62.69	62.77
23	65.57			62.57		62.97		62.24		62.99	63.16	62.68
24	64.76			62.57		62.85		62.23		62.98	63.09	62.67
25	64.42			62.38		62.77		62.49		62.99	62.95	62.72
26	64.34			62.31		62.63		62.41		62.70	62.90	62.77
27	64.36			62.18		63.85		62.35		62.60	62.94	62.81
28	64.03			62.21		68.07		62.28		62.55	63.15	62.83
29	63.91	-----		62.33		69.53	63.30	62.82		62.52	63.17	62.91
30	63.88	-----		62.31			63.42	62.72		62.49	62.93	62.98
31	64.01	-----	-----	-----		-----	63.34	62.68	-----	62.57	-----	62.94

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	65.24	64.15	63.23	62.90	63.65	63.93	63.35	62.53		62.88	62.80	62.91
MAX	67.07	64.72	63.91	63.85	67.47	69.53	63.42	63.28		63.03	63.17	64.11
MIN	63.42	63.65	62.61	62.18	62.49	62.63	63.30	62.23		62.49	62.63	62.67
DAYS	31	13	12	22	18	13	3	26	0	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 230

THE MEAN STAGE FOR THE YEAR WAS 63.37.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 69.53 ON JUN 29.

LOWEST STAGE WAS 62.12 ON APR 27.

DAILY STAGE FOR 1989

BAYOU BOEUF NEAR LAMOURIE, LA.

LOCATION. LAT. 31-09-10, LONG. 92-25-51. DOWNSTREAM OF ROBERTSON ROAD BRIDGE, 0.7 MILE ABOVE JUNCTION WITH BAYOU LAMOURIE AND TWO MILES NORTHWEST OF LAMOURIE, LA. (STA. 6128015.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. FROM 1937 TO 1938 GAGE WAS KNOWN AS BAYOU BOEUF AT HIGHWAY BRIDGE 1/2 MILE ABOVE BAYOU LAMOURIE, AND IN 1939 AS BAYOU BOEUF, 3/4 MILE ABOVE BAYOU LAMOURIE.

RECORDS AVAILABLE. OCT 12, 1937 TO DATE.

EXTREMES. HIGHEST, 72.4 FEET ON MAY 18 AND 19, 1953. LOWEST, 59.2 FEET FROM SEPT. 5 TO 11, 1939.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	64.89	63.19	63.84	65.02	62.67	62.82	69.01	63.01	62.43	62.85	62.46	62.66
2	64.68	63.01	64.04	64.51	62.52	62.80	69.04	62.86	62.36	62.84	62.50	62.60
3	64.30	62.92	64.40	64.06	62.41	63.59	69.49	62.72	62.25	62.83	62.51	62.59
4	63.90	62.86	64.12	63.58	62.37	63.72	69.51	62.61	62.17	62.84	62.50	62.57
5	63.52	62.80	64.10	63.38	63.40	63.48	69.37	62.52	62.10	62.85	62.50	62.54
6	63.27	62.83	63.63	63.40	63.22	63.29	69.13	62.46	62.03	62.86	62.50	62.52
7	63.03	62.90	63.29	63.31	63.01	62.93	69.01	62.42	61.95	62.88	62.59	62.98
8	62.99	62.88	63.10	63.18	62.78	63.29	68.71	62.41	61.89	62.90	62.62	63.28
9	63.33	62.80	63.11	63.12	62.60	63.10	68.45	62.38	61.94	62.89	62.61	63.14
10	63.81	62.76	63.20	63.08	62.54	62.80	68.13	62.36	62.01	62.88	62.59	62.97
11	63.70	62.73	63.08	63.01	62.50	62.83	67.81	62.32	62.04	62.87	62.57	62.78
12	64.79	62.70	62.94	62.95	62.41	62.74	67.43	62.27	62.02	62.86	62.56	62.69
13	65.10	62.71	62.86	62.89	62.32	62.61	66.95	62.23	61.99	62.85	62.55	62.63
14	65.06	62.74	62.82	62.80	62.90	62.55	66.48	62.20	61.97	62.85	62.53	62.60
15	64.61	62.73	62.76	62.68	62.81	64.28	66.29	62.18	61.95	62.84	62.60	62.60
16	64.20	62.72	62.72	62.60	63.10	63.95	65.81	62.16	61.93	62.84	62.56	62.59
17	63.79	62.71	62.67	62.58	64.41	63.34	65.42	62.14	61.91	62.94	62.53	62.59
18	63.50	62.70	62.62	62.56	66.79	62.98	65.18	62.12	61.88	62.91	62.52	62.58
19	64.72	62.69	62.58	62.54	68.29	62.70	64.79	62.20	61.86	62.89	62.51	62.72
20	64.55	62.68	62.56	62.53	68.06	62.58	64.51	62.15	63.10	62.87	62.50	62.68
21	64.36	66.01	63.40	62.51	68.00	62.54	64.19	62.13	63.21	62.85	62.49	62.66
22	63.92	66.19	64.31	62.50	68.10	62.52	63.81	62.07	63.11	62.86	62.48	62.62
23	63.47	66.04	64.15	62.49	67.80	62.48	63.50	62.02	62.92	62.89	62.80	62.58
24	63.12	65.90	63.79	62.46	67.38	62.49	63.45	62.10	62.80	62.84	62.75	62.56
25	63.07	65.67	63.44	62.29	66.85	62.50	63.40	62.15	62.80	62.71	62.70	62.56
26	63.02	65.32	63.22	62.20	66.18	62.51	63.38	62.19	62.60	62.60	62.66	62.58
27	63.01	64.93	64.18	62.10	65.53	63.02	63.23	62.17	62.80	62.51	62.72	62.60
28	62.99	64.34	64.31	62.11	64.69	66.39	63.17	62.11	62.80	62.46	62.82	62.62
29	63.01	-----	65.10	62.15	63.87	67.68	63.12	62.38	62.82	62.41	62.77	62.66
30	63.14	-----	66.00	62.16	63.36	69.08	63.08	62.45	62.86	62.38	62.72	62.69
31	63.24	-----	65.51	-----	63.12	-----	63.04	62.49	-----	62.40	-----	62.71

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	63.81	63.59	63.61	62.89	64.39	63.45	66.06	62.32	62.36	62.78	62.59	62.68
MAX	65.10	66.19	66.00	65.02	68.29	69.08	69.51	63.01	63.21	62.94	62.82	63.28
MIN	62.99	62.68	62.56	62.10	62.32	62.48	63.04	62.02	61.86	62.38	62.46	62.52
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 63.38.

HIGHEST STAGE WAS 69.54 AT 4:00 P.M. ON JUL 3.

LOWEST STAGE WAS 61.86 ON SEP 19.

DAILY STAGE FOR 1989

BAYOU BOEUF NEAR LECOMPTE, LA.

LOCATION. LAT. 31-06-48, LONG. 92-25-52. ABOUT 3.8 MILES ABOVE HIGHWAY 112, 3.2 MILES NORTHWEST OF LECOMPTE, LA. (STA. 6140015.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JUNE 28, 1948 TO DATE.

EXTREMES. HIGHEST, 71.8 FEET ON MAY 18 AND 19, 1953. LOWEST, BELOW 59 FEET, ON AUG. 16 AND 17, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	64.40	63.20	63.70	64.50	62.70	62.80	68.60	62.80	62.40	62.90		62.70
2	64.10	63.10	63.70	64.10	62.70	62.80	68.50	62.70	62.40	62.90		62.70
3	64.00	63.00	64.10	63.80	62.60	63.50	68.80	62.60	62.30	62.90		62.65
4	63.80	63.00	63.90	63.60	62.40	63.70	68.90	62.50	62.20	62.90		62.60
5	63.50	63.00	63.80	63.30	63.30	63.40	68.60	62.50	62.10	62.90	62.60	62.60
6	63.20	63.00	63.60	63.40	63.30	63.20	68.40	62.30	62.00	62.90	62.60	62.60
7	63.10	63.00	63.30	63.30	63.00	63.10	68.30	62.20	62.00	62.90	62.70	62.60
8	63.00	63.00	63.10	63.20	62.80	63.20	68.00	62.30	62.00	62.90	62.70	63.20
9	63.00	62.90	63.30	63.20	62.70	63.20	67.60	62.30	62.00	62.90	62.70	63.10
10	63.60	62.80	63.25	63.10	62.60	63.00	67.30	62.30	62.00	62.90	62.70	62.90
11	63.60	62.80	63.10	63.10	62.60	63.00	67.00	62.30	62.00	62.90	62.60	62.80
12	64.30	62.70	63.00	63.00	62.60	62.80	66.60	62.30	62.00	62.80	62.60	62.80
13	64.60	62.70	62.90	63.00	62.50	62.80	66.20	62.30	62.00	62.80	62.60	62.70
14	64.60	62.70	62.90	62.80	62.90	62.70	65.70	62.20	62.00	62.80	62.60	62.70
15	64.20	62.80	62.90	62.80	62.90	63.90	65.30	62.10	62.00	62.80	62.65	62.70
16	64.00	62.80	62.80	62.70	63.10	63.80	64.80	62.10	62.00	62.80	62.60	62.65
17	63.60	62.80	62.70	62.60	64.10	63.40	64.50	62.10	61.90	63.00	62.60	62.60
18	63.50	62.80	62.70	62.60	65.50	63.00	64.20	62.00	61.90	63.00	62.60	62.60
19	64.30	62.80	62.70	62.70	67.90	62.80	64.00	62.20	62.90	63.00	62.60	62.70
20	64.10	62.80	62.70	62.60	67.60	62.70	63.80	62.10	63.20	63.00	62.60	62.80
21	64.00	65.20	63.40	62.60	67.60	62.50	63.60	62.10	63.30	63.00	62.60	62.70
22	63.70	65.50	64.00	62.60	67.70	62.50	63.40	62.00	63.00		62.60	62.70
23	63.40	65.30	63.90	62.60	67.20	62.60	63.20	62.00	62.90		62.90	62.70
24	63.20	65.10	63.70	62.50	66.70	62.70	63.00	62.00	62.90		62.90	62.70
25	63.00	64.90	63.40	62.50	66.30	62.60	62.90	62.00	62.80		62.80	62.70
26	63.00	64.70	63.20	62.30	65.80	62.50	62.90	62.10	62.80		62.70	62.70
27	63.00	64.40	63.90	62.20	65.00	62.90	62.90	62.10	62.80		62.80	62.70
28	63.00	64.00	64.00	62.20	64.40	65.50	62.80	62.10	62.80		62.90	62.70
29	62.90	-----	64.40	62.20	63.70	66.90	62.70	62.20	62.80		62.90	62.70
30	62.90	-----	65.40	62.30	63.30	68.60	62.70	62.40	62.90		62.80	62.70
31	63.20	-----	64.90	-----	63.10	-----	62.70	62.40	-----	-----	-----	62.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	63.61	63.46	63.50	62.91	64.21	63.40	5.42	62.25	62.41	62.90	62.69	62.72
MAX	64.60	65.50	65.40	64.50	67.90	68.60	68.90	62.80	63.30	63.00	62.90	63.20
MIN	62.90	62.70	62.70	62.20	62.40	62.50	62.70	62.00	61.90	62.80	62.60	62.60
DAYS	31	28	31	30	31	30	31	31	30	21	26	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 351

THE MEAN STAGE FOR THE YEAR WAS 63.31.

HIGHEST STAGE WAS 68.90 ON JUL 3 AND LATER DATE(S).

LOWEST STAGE WAS 61.90 ON SEP 17 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR LONEPINE, LA.

LOCATION. LAT. 30-59-07, LONG. 92-18-32. ON HIGHWAY 181 BRIDGE, 2.4 MILES NORTH OF LONEPINE, LA.
(STA. 6152016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. INTERMITTENTLY, 1949, AND 1953 TO 1956. DAILY, OCT. 25, 1956 TO DATE.

EXTREMES. HIGHEST, 60.90 FEET IN 1953. LOWEST, CHANNEL DRY ON JULY 17, 1958, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	50.58	42.40	46.48	50.09 F	39.67	41.41	55.08	40.00		40.78		39.85
2	49.24	41.80	46.20	48.79	40.06 F	41.02	55.38	39.93		40.80		39.72
3	48.10	41.13	48.51	47.29	39.62	45.33	55.63	39.63		40.70		39.64
4	47.01	40.88	47.60	45.55	39.60	46.39	55.78	39.54		40.65		39.60
5	45.23	40.63	46.94	43.46	44.42	45.30	55.72		F 39.02	40.62		
6	43.44	40.78	45.72	43.32	43.90	43.40	55.68			40.55 F	39.25	
7	42.23	41.19	43.69	43.22	42.42	41.75	55.70 F	39.15		40.52		
8	42.22	40.99	42.48	42.51	40.88	45.22	55.60			40.51		
9	46.45	40.74	42.83	42.22	39.96	42.98	55.40			40.45		
10	48.05	40.53	43.00	41.87	39.72	41.28	55.13			40.46		
11	46.99	40.30	42.21	41.61	39.68	47.50	54.70		F 39.03	40.40		
12	48.40	40.20	41.38	41.30	39.52	41.10	53.92			40.35		F 40.19
13	52.30	40.36	40.88	41.00	39.50	40.48	53.02			40.32 F	39.46	39.90
14	51.49	40.23	40.65	40.50	39.80	40.70	52.35 F	39.20		40.33		39.81
15	49.99	40.30	40.60	39.98	40.75	48.86	51.65			40.38		39.78
16	48.37	40.34	40.37	39.84	42.04	47.46	50.94			40.35		39.73
17	46.45	40.26	40.06	39.72	54.09	44.79	50.08			40.58		
18	45.00	40.18	39.88	39.60	55.05	42.10	49.07 F	39.55 F	38.88	40.58		F 39.60
19	51.99	40.13	39.87	39.54		40.79	47.85		F 39.60	40.52		39.87
20	50.47	40.10	39.80	39.53		40.30	46.68		42.17	40.55 F	39.37	40.09
21	48.66	52.10	46.40 F	39.50		39.90	45.37 F	38.05	42.88	40.59		40.03
22	46.80	51.92	51.20		F 55.67	39.62	43.77		41.52	40.62 F	39.52	
23	44.95	51.24	48.72		55.40	39.59	42.59		40.71	40.63	40.32	
24	43.00	50.85	46.65 F	39.25	55.03	39.83	41.60		40.60	41.60	40.39	
25	42.10	50.54	44.58		54.37	39.50	41.04		40.54	41.60	40.05	
26	42.36	50.12	43.03		53.18	39.40	41.08		40.58	40.79	39.85 F	39.64
27	42.53	49.48	48.75		51.85	40.15	40.64		40.53		39.88	
28	42.96	48.34	48.44		50.53	52.90	40.29 F	39.05	40.60		40.01	
29	43.22	-----	47.90		47.51	54.05	40.00		40.62		40.38	
30	43.40	-----	52.20		44.18	55.18	39.90		40.74 F	39.02	40.12	
31	42.37	-----	51.19	-----	42.77	-----	40.17		-----	-----	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	46.33	43.50	44.78	42.26	45.40	43.61	49.09	39.34	40.53	40.56	39.88	39.82
MAX	52.30	52.10	52.20	50.09	55.67	55.18	55.78	40.00	42.88	41.60	40.39	40.19
MIN	42.10	40.10	39.80	39.25	39.50	39.40	39.90	38.05	38.88	39.02	39.25	39.60
DAYS	31	28	31	22	28	30	31	9	15	27	12	14

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 278

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 43.77.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 56.10 AT 8:00 P.M. ON MAY 18.

LOWEST STAGE WAS 38.05 ON AUG 21.

DAILY STAGE FOR 1989

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL EAST OF LONEPINE, LA

LOCATION. LAT. 30-57-10, LONG. 92-16-50. 1000 FEET SOUTH OF HIGHWAY 115 AND INTERSTATE 10 BRIDGES ABOUT TWO MILE EAST OF LONEPINE, LA. (STA. 6153516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 20, 1985 TO DATE.

EXTREMES. HIGHEST, 59.28 FEET ON JUL. 4, 1989. LOWEST, NOT DETERMINED.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	46.22	41.89	46.12	49.51	37.25	45.36	58.73	47.73				
2	46.22	41.30	45.21	48.23		44.52	59.04	47.72		37.76		
3	46.23	40.50	47.97	46.71		49.07	59.04	47.72		37.73		
4	46.23	40.41	47.12	44.96		50.12	59.25	47.71		37.66		
5	46.23	39.91	46.48	42.85		49.24	59.09	47.71		37.66		
6	46.23	39.89	45.32	42.58		47.65	59.05	47.71		37.56		
7	46.23	39.95	42.23	40.75		45.63	58.97	47.71		37.56		
8	46.22	40.00	41.89	40.00	37.79	50.00	58.98	47.71		37.56		39.25
9	46.22	40.01	42.10	39.66	37.27	47.21	58.75	47.71		37.56		38.63
10	46.22	40.01	42.37	39.29	37.27	45.36	58.48	47.71		37.56		38.28
11	46.22	39.40	41.61	38.99	37.27	52.50	58.09	47.71				37.24
12	46.23	39.30	41.01	38.94	37.26	45.35	57.41	47.71				37.23
13	46.23	39.42	40.96	38.86	37.26	44.26	57.42	47.71				37.23
14	46.23	39.28	40.93	38.72	37.26	43.92	57.41	47.71				37.26
15	46.22	39.28	40.91	37.29		53.09	57.42					37.26
16	46.23	39.39	40.90	37.28		51.49	57.42			37.47		37.27
17	46.23	39.29	40.88	37.28		48.86	57.42			37.50		37.26
18	44.21	39.29	40.82	37.27		45.97	55.85			37.53		37.26
19	51.85	39.28	40.80	37.27	53.40	44.35	55.64		37.69	37.56		37.26
20	50.16	39.27	40.75	37.27	53.27	43.72	54.68		38.53	37.57		37.26
21	48.37	51.16	46.43	37.26	53.07	43.70	53.40	37.00	37.44	37.57		37.26
22	46.54	51.27	51.05	37.26	52.77	43.69	51.78			37.56		37.27
23	44.82	50.57	48.46	37.26	52.37	43.68	50.59			37.56		37.28
24	42.81	50.14	46.28	37.25	51.96	43.68	49.49			37.56		37.31
25	41.59	49.84	44.17	37.25	51.37	43.68	48.75			37.56		37.27
26	41.15	49.45	42.49	37.25	50.42	44.24	48.74			37.54		37.26
27	41.05	48.86	48.37	37.25	49.47	56.25	48.30			37.50		
28	40.61	47.83	48.01	37.25	48.16	57.50	47.91			37.47		
29	40.45	-----	46.85	37.25	47.93	58.55	47.73			37.46		
30	40.20	-----	51.60	-----	47.93	58.28	47.73			37.44		
31	40.19	-----	50.66	-----	46.49	-----	47.73		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	45.16	42.72	44.54	39.62	45.58	48.03	54.84	47.00	37.89	37.56		37.49
MAX	51.85	51.27	51.60	49.51	53.40	58.55	59.25	47.73	38.53	37.76		39.25
MIN	40.19	39.27	40.75	37.25	37.25	43.68	47.73	37.00	37.44	37.44		37.23
DAYS	31	28	31	29	21	30	31	15	3	24	0	19

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 262

THE MEAN STAGE FOR THE YEAR WAS 44.49.

HIGHEST STAGE WAS 59.28 AT 5:00 A.M. ON JUL 4.

LOWEST STAGE WAS 37.00 ON AUG 21.

DAILY STAGE FOR 1989

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL NEAR EOLA, LA.

LOCATION. LAT. 30-53-44, LONG. 92-13-47. ON BRIDGE, 350 FEET BELOW RAILROAD BRIDGE
(NEAR INTERSTATE 10) AND 1.5 MILES SOUTHWEST OF EOLA, LA. (STA. 6156012A.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. JULY 24, 1958 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 47.61 FEET ON JAN. 3, 1983. LOWEST, 27.27 FEET ON
AUG. 4, 1987 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41.29	33.02		40.47 F	28.45	33.30	44.21	30.37		31.08		29.80
2	39.79	32.53		39.32	30.09	32.28	44.35	30.17		31.10		29.49
3	38.55	31.75		37.92	29.32	36.29	44.39	29.74		31.08		29.29
4	37.55	31.38		36.35	28.70	37.24	44.50	29.29		31.02		29.14
5	36.05	31.08		34.45	35.18	37.28	44.47	28.95 F	28.11	30.99		28.98
6	34.23	31.15 F	36.35	33.84	34.34	35.65	44.63 F	28.72		30.88 F	28.35	28.90
7	32.97	31.85	34.60	33.95	32.95	33.45	44.62 F	28.48		30.87	29.25	30.85
8	32.69	31.73	33.30	33.28	31.35	37.88	44.72	28.87		30.87	29.28	34.20
9	36.70	31.55	33.26	32.94	30.27	35.15	44.68	28.73		30.82	29.28	33.11
10	39.85	31.07	33.61	32.58	29.73	33.09	44.61			30.79	29.17	31.90
11	38.00	30.75	33.01	32.35	29.56	40.13	44.50		F 28.16	30.78	29.05	31.04
12	38.52	30.63	32.01	32.03	29.30	33.70	44.30			30.70	28.93	30.68
13	41.90	30.82	31.41	31.70	29.07	31.88	44.04			30.65	28.88	30.11
14	42.30	30.45	31.05	31.22	28.60	31.00	43.68 F	28.42		30.67	28.85	29.77
15	40.75	30.53	30.92	30.30	31.20	40.59	43.10			30.70	28.62	29.49
16	39.12	30.56	30.72	30.08	32.78	38.82	42.28			30.70	28.98	29.47
17	37.25	30.57	30.18	29.76	43.08	36.38	41.27			30.95	29.20	29.28
18	35.29	30.57	29.84	29.60	43.65	33.60	40.22 F	28.75 F	28.11	31.05	28.87	29.15
19	42.41	30.40	29.78	29.42	44.93	31.83	39.12	30.28 F	28.80	30.97	28.80	29.40
20	41.21	30.28	29.75	29.47	44.99	30.80	38.00 F	28.78	32.40	31.02	28.78	30.00
21	39.70	41.33	37.50		44.95	29.87	36.80 F	28.32	33.35	30.95	28.75	30.00
22	37.75	41.87	41.61		44.90	29.63	35.29		32.52	30.93	28.70	29.87
23	35.95 E	41.15	39.70		44.78	29.48	34.04		31.20	30.97	30.41	29.87
24		40.73	37.61 F	28.75	44.62	30.20	32.97		31.00	30.93	30.69	29.86
25		E 40.45	35.65	28.78	44.44	29.87	32.15	29.22	30.89	30.93	30.31	29.40
26		E 40.13	34.05	28.59	44.14	29.31	31.92		30.82	30.01	29.85	29.05
27		39.53	38.84		43.60	31.15	31.40		30.82	28.87	29.79	29.20
28			38.97		42.49	42.10	30.81 F	28.17	30.89		29.88	29.30
29		-----	38.35		39.68	43.68	30.41	28.80	30.87		30.49	29.67
30		-----	42.42		36.50	44.29	30.15	28.97	30.99 F	28.04	30.37	30.22
31 F	32.19	-----	41.73	-----	34.63	-----	30.51	28.79	-----	-----	-----	30.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.00	33.62	34.85	32.48	36.52	34.66	39.42	29.04	30.60	30.69	29.34	30.03
MAX	42.41	41.87	42.42	40.47	44.99	44.29	44.72	30.37	33.35	31.10	30.69	34.20
MIN	32.19	30.28	29.75	28.59	28.45	29.31	30.15	28.17	28.11	28.04	28.35	28.90
DAYS	24	27	26	23	31	30	31	19	15	28	25	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 310

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 33.56.

HIGHEST STAGE WAS 45.22 AT 2:00 P.M. ON MAY 18.

LOWEST STAGE WAS 28.04 ON OCT 30.

DAILY STAGE FOR 1989

BAYOUS RAPIDES, BOEUF AND COCODRIE DIVERSION CHANNEL AT MILBURN, LA.

LOCATION. LAT. 30-51-58, LONG. 92-13-52. ON HIGHWAY 106 BRIDGE (NEAR INTERSTATE 49), ONE MILE WEST OF MILBURN, LA. (STA. 6160012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949 TO 1958. DAILY, JULY 23, 1958 TO DATE.

EXTREMES. HIGHEST, 49.30 FEET (FROM WATERMARK) IN MAY 1953. LOWEST, 25.53 FEET ON OCT. 15, 1987 AND LATER DATE(S).

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32.30	30.10	33.68	36.89	26.20	32.07	40.69	27.87	26.48	28.43	26.10	27.47
2	33.65	29.70	32.80	35.82	27.66	31.19	40.87	27.72	26.35	28.44	26.17	27.7
3	34.80	29.08	35.23	34.55	27.04	33.61	40.90	27.40	26.36	28.45	26.46	27.10
4	34.30	28.80	34.69	33.17	26.46	34.37	41.20	27.09	26.39	28.39	26.51	27.01
5	32.98	28.57	33.99	31.39	32.15	35.00	41.20	26.85	26.42	28.35	26.45	26.88
6	31.30	28.61	33.20	30.50	31.20	33.60	41.40	26.61	26.42	28.25	26.45	26.80
7	30.17	29.18	31.49	30.70	30.06	31.50	41.38	26.43	26.43	28.25	27.07	28.80
8	29.85	29.08	30.29	30.10	28.70	35.33	41.40	26.73	26.44	28.28	27.03	31.10
9	33.80	28.81	30.19	29.79	27.80	33.08	41.30	26.57	26.43	28.21	27.07	30.07
10	36.68	28.53	30.50	29.50	27.30	31.09	41.25	26.49	26.45	28.20	27.00	29.13
11	34.95	28.27	29.98	29.32	27.10	37.22	41.10	26.41	26.45	28.20	26.92	28.50
12	35.00	28.10	29.20	29.09	26.92	32.33	40.94	26.55	26.47	28.15	26.88	28.27
13	38.10	28.35	28.65	28.80	26.70	30.32	40.69	26.60	26.45	28.10	26.82	27.90
14	38.35	28.00	28.40	28.40	26.37	28.92	40.37	26.44	26.50	28.11	26.80	27.61
15	37.00	28.09	28.30	27.60	28.55	37.40	39.90	26.50	26.49	28.12	26.64	27.43
16	35.53	28.12	28.15	27.40	29.88	35.94	39.20	26.40	26.59	28.12	26.83	27.44
17	34.00	28.11	27.70	27.22	39.00	33.68	38.32	26.50	26.60	28.32	27.01	27.30
18	32.37	28.04	27.40	27.12	40.14	31.28	37.49	26.35	26.50	28.40	26.83	27.20
19	38.79	28.00	27.37	27.00	41.88	29.48	36.49	27.85	26.40	28.33	26.76	27.34
20	37.86	27.90	27.35	27.00	42.00	28.32	35.53	26.63	29.29	28.38	26.77	27.78
21	36.40	36.80	34.00	26.84	41.89	27.42	34.50	26.39	30.03	28.28	26.70	27.80
22	34.65	37.89	37.64	26.68	41.77	27.24	33.20	26.30	29.51		26.67	27.69
23	33.08	37.22	36.27	26.50	41.64	27.08	32.10	26.25	28.49 F	28.28	27.80	27.58
24	31.38	36.83	34.28	26.38	41.43	27.68	31.35	26.28	28.30	28.29	28.03	27.58
25	30.16	36.59	32.43	26.41	41.19	27.40	30.45	26.73	28.21	28.29	27.76	27.58
26	29.56	36.29	30.93	26.19	40.90	26.98	29.85	26.59	28.23	27.70	27.45	27.13
27	29.59	35.83	35.30	26.12	40.40	28.29	29.05	26.35	28.23	26.90	27.40	27.30
28	29.15	35.00	35.60	26.18	39.49	38.30	28.28	26.30	28.27	26.42	27.53	27.35
29	28.80	-----	35.10	26.18	37.31	39.98	27.90	26.95	28.27	26.12	27.94	27.68
30	28.58	-----	38.90	26.17	34.71	40.66	27.72	26.80	28.38	26.02	27.89	28.02
31	29.00	-----	38.07	-----	33.12	-----	27.97	26.68	-----	26.10	-----	28.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	33.29	30.85	32.16	28.83	33.77	32.23	36.58	26.70	27.26	27.93	26.99	27.82
MAX	38.79	37.89	38.90	36.89	42.00	40.66	41.40	27.87	30.03	28.45	28.03	31.10
MIN	28.58	27.90	27.35	26.12	26.20	26.98	27.72	26.25	26.35	26.02	26.10	26.80
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 30.39.

HIGHEST STAGE WAS 43.00 AT 11:30 A.M. ON MAY 18.

LOWEST STAGE WAS 26.00 ON OCT 30.

DAILY STAGE FOR 1989

BAYOU COCODRIE NEAR CLEARWATER, LA.

LOCATION. LAT. 31-00-00, LONG. 92-22-46. ON U. S. HIGHWAY 167 BRIDGE, 1,000 FEET DOWNSTREAM FROM BAYOU COCODRIE DAM, AND 1.5 MILES EAST OF CLEARWATER, LA. (STA. 6164016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 240 SQUARE MILES. SLIGHT REGULATION AT LOW FLOW BY LAKE COCODRIE (USABLE CAPACITY, 9,000 ACRE-Feet). PRIOR TO OCT. 1937, STATION WAS REFERRED TO AS, NEAR MEEKER, LA. ZERO OF GAGE PRIOR TO 1968 WAS 40.00 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1968 THROUGH 1988 SHOULD BE CORRECTED TO 39.57 FEET N.G.V.D.

RECORDS AVAILABLE. STAGE, MAY 1922 TO JAN. 1925, AND OCT. 1937 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DISCHARGE, DAILY, COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 27.15 FEET ON MAY 19, 1953. LOWEST, NOT DETERMINED. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

DAILY MEAN STAGE IN FEET

GAGE ZERO, 39.57 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.84	12.20	10.24	15.58	6.58	17.85	21.03	15.05	6.68	5.45	5.30	6.68
2	13.90	11.48	10.30	15.39	6.42	17.68	21.19	14.82	6.50	5.45	5.31	6.60
3	13.82	10.84	10.58	15.18	6.25	17.58	21.37	14.57	6.39	5.44	5.30	6.49
4	13.63	10.29	11.08	14.96	6.50	17.41	21.48	14.33	6.26	5.42	5.30	6.42
5	13.43	9.89	11.39	14.72	8.09	17.22	21.36	14.09	6.14	5.39	5.32	6.37
6	13.21	9.62	11.20	14.48	9.42	17.00	21.12	13.84	6.10	5.37	5.46	6.29
7	12.93	9.36	10.88	14.23	9.85	16.81	21.04	13.60	6.17	5.36	5.78	6.93
8	12.52	9.05	10.48	13.99	9.69	16.76	20.82	13.36	6.12	5.34	5.93	7.30
9	12.61	8.78	10.06	13.73	9.34	16.61	20.57	13.07	6.06	5.31	5.98	7.42
10	12.95	8.53	9.65	13.48	8.96	16.43	20.27	12.69	6.01	5.29	5.95	7.44
11	13.24	8.31	9.27	13.21	8.66	16.56	19.99	12.02	5.95	5.28	5.91	7.34
12	13.33	8.10	8.91	12.90	8.32	16.20	19.73	11.17	5.88	5.28	5.86	7.18
13	13.65	7.92	8.57	12.42	7.99	16.10	19.47	10.45	5.82	5.27	5.82	7.05
14	14.05	7.68	8.23	11.78	7.71	16.22	19.21	9.78	5.79	5.27	5.82	6.91
15	14.21	7.51	7.98	11.16	7.68	16.23	18.96	9.23	5.77	5.27	5.86	6.80
16	14.16	7.32	7.69	10.55	10.66	16.06	18.74	8.76	5.73	5.32	5.87	6.60
17	14.01	7.17	7.49	10.00	14.46	15.84	18.60	8.41	5.67	5.35	5.84	6.51
18	14.08	7.06	7.31	9.50	16.92	15.84	18.39	8.20	5.62	5.32	5.81	6.53
19	14.48	6.97	7.10	9.08	20.02	15.63	18.16	8.01	5.58	5.31	5.80	6.58
20	14.81	7.12	7.55	8.69	20.70	15.38	17.92	7.70	5.54	5.30	5.79	6.55
21	14.89	9.06	9.97	8.32	20.70	15.14	17.68	7.43	5.50	5.30	5.79	6.49
22	14.82	10.20	13.27	8.00	20.50	14.90	17.43	7.23	5.48	5.30	5.96	6.39
23	14.67	11.97	14.23	7.73	20.24	14.65	17.20	7.00	5.45	5.30	6.51	6.37
24	14.48	12.85	14.39	7.49	19.96	14.42	16.98	7.06	5.42	5.30	6.76	6.28
25	14.28	12.62	14.29	7.29	19.67	14.26	16.73	7.27	5.40	5.30	6.62	6.13
26	14.06	12.11	14.14	7.11	19.40	14.04	16.49	7.11	5.39	5.29	6.82	6.15
27	13.83	11.47	14.31	6.94	19.13	14.08	16.25	6.92	5.37	5.27	6.83	6.17
28	13.59	10.81	14.58	6.85	18.86	15.37	16.00	6.76	5.36	5.27	6.91	6.16
29	13.35	-----	14.88	6.77	18.61	17.36	15.76	6.89	5.39	5.26	6.82	6.38
30	13.09	-----	15.31	6.68	18.36	20.21	15.52	6.95	5.43	5.27	6.76	6.49
31	12.74	-----	15.58	-----	18.10	-----	15.28	6.85	-----	5.31	-----	6.53

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	13.76	9.51	11.00	10.94	13.48	16.19	18.73	10.02	5.80	5.32	6.00	6.63
MAX	14.89	12.85	15.58	15.58	20.70	20.21	21.48	15.05	6.68	5.45	6.91	7.44
MIN	12.52	6.97	7.10	6.68	6.25	14.04	15.28	6.76	5.36	5.26	5.30	6.13
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 10.63.

HIGHEST STAGE WAS 21.50 AT 9:30 A.M. ON JUL 4.

LOWEST STAGE WAS 5.26 ON OCT 13 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU COCODRIE AT ST. LANDRY, LA.

LOCATION. LAT. 30-50-40, LONG. 92-15-34. ON HIGHWAY 106 BRIDGE, 10.5 MILES NORTH OF VILLE PLATTE, LA. (STA. 6172016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1946. DAILY, AUG. 9, 1946 TO MAY 22, 1958, AND APR. 25, 1961 TO DATE.

EXTREMES. HIGHEST, 48.85 FEET ON MAY 20, 1953. LOWEST, (FROM INCOMPLETE RECORD) 31.53 FEET ON OCT. 19, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39.43	37.44	36.55	39.46	34.10	40.57	42.30	39.00	34.26	33.10	33.09	34.15
2	39.17	37.13	36.78	39.27	34.10	40.35	42.93	38.88	33.69	33.11	33.09	33.54
3	38.70	36.62	37.42	39.11	33.78	40.89	43.12	38.77	34.02	33.10	33.05	33.56
4	38.28	35.86	37.43	38.95	33.58	40.79	43.50	38.53	33.90	33.11	33.07	33.65
5	38.18	36.18	37.17	38.71	36.09	41.03	43.60	38.39	33.75	33.10	33.06	33.68
6	38.07	36.00	37.20	38.48	35.69	40.95	43.72	37.90	33.59	33.05	33.09	33.60
7	37.88	35.63	37.03	38.23	35.85	40.50	43.75	37.89	33.59	33.05	33.37	35.00
8	37.69	35.97	36.95	38.20	35.40	41.75	43.74	38.18	33.62	33.05	33.50	37.80
9	38.89	35.68	36.57	38.29	35.85	41.20	43.70	37.99	33.57	33.03	32.98	36.04
10	40.04	35.47	35.86	37.79	35.23	40.36	43.64	37.88	33.54	33.04	33.19	35.41
11	39.38	35.28	35.87	37.62	35.61	41.30	43.52	37.60	33.47	33.05	33.25	35.27
12	39.02	35.08	35.75	37.78	35.22	40.94	43.47	37.21	33.45	32.85	33.29	34.59
13	39.95	35.43	35.57	37.62	35.17	40.23	43.29	36.70	33.42	32.88	33.31	34.33
14	39.89	35.17	35.50	37.44	35.01	39.92	43.08	35.89	33.53	33.02	33.36	34.24
15	39.33	34.97	35.57	37.18	34.85	41.37	42.79	35.39	34.00	33.02	33.40	34.19
16	39.01	34.81	35.17		36.36	41.03	42.40	35.19	34.06	33.05	34.03	34.10
17	38.88	33.48	34.90 F	36.26	40.20	40.46	42.05	35.08	33.80	33.02	33.98	33.99
18	38.60	33.78	35.21	36.08	40.90	40.00	41.60	34.88	33.58	33.03	33.66	33.92
19	40.00	34.00	34.87	35.79	44.18	39.70	41.22	35.15	33.19	33.02	33.56	33.98
20	39.87	34.23	34.60	35.50	44.03	39.22	40.95	34.95	33.17	33.02	33.51	34.27
21	39.60	35.50	35.22	34.48	43.85	39.00	40.64	34.72	33.11	33.03	33.51	34.18
22	39.28	36.50	38.25	34.30	43.75	38.84	40.03	35.30	33.10	33.03	33.52	33.58
23	39.03	36.89	39.13	34.74	43.62	38.64	39.80	34.58	33.10	33.02	33.80	33.57
24	38.81	37.34	39.03	34.59	43.54	38.52	39.84	34.50	33.07	33.00	34.00	33.69
25	38.63	37.40	38.83	34.51	43.43	38.39	39.68	34.68	33.04	33.08	34.13	33.88
26	38.48	37.40	38.65	34.50	43.22	38.23	39.52	34.95	33.04	33.09	34.15	34.36
27	38.31	37.24	39.40	34.18	42.98	38.62	39.24	34.70	33.03	33.09	34.09	34.27
28	38.15	36.98	39.55	34.06	42.65	39.99	39.12	34.99	33.05	33.07	33.73	34.12
29	37.99	-----	39.40	34.11	42.15	40.88	39.09	35.60	33.05	33.07	34.48	34.24
30	37.82	-----	40.20	34.02	41.43	42.18	39.29	35.68	33.08	33.07	34.20	34.53
31	37.63	-----	39.81	-----	40.82	-----	39.13	34.22	-----	33.09	-----	34.68

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	38.84	35.84	37.08	36.59	38.79	40.19	41.73	36.30	33.46	33.04	33.55	34.34
MAX	40.04	37.44	40.20	39.46	44.18	42.18	43.75	39.00	34.26	33.11	34.48	37.80
MIN	37.63	33.48	34.60	34.02	33.58	38.23	39.09	34.22	33.03	32.85	32.98	33.54
DAYS	31	28	31	29	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 36.66.

HIGHEST STAGE WAS 44.18 AT 8:00 A.M. ON MAY 19.

LOWEST STAGE WAS 32.78 ON OCT 13.

DAILY STAGE FOR 1989

BAYOU COCODRIE NEAR WHITEVILLE, LA.

LOCATION. LAT. 30-46-41, LONG. 92-11-26. ON HIGHWAY 29 BRIDGE (NEAR INTERSTATE 49), 2.7 MILES
SOUTHWEST OF WHITEVILLE, LA. (STA. 6176012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1939. DAILY, JAN. 2, 1940 TO JUNE 30, 1942, AND MAR. 1,
1946 TO DATE.

EXTREMES. HIGHEST, 42.3 FEET ON MAY 20, 1953. LOWEST, CHANNEL DRY ON OCT. 19, 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.16	22.36	24.17	30.38	18.12	30.88	33.57	23.04	17.96	18.15	16.88	18.09
2	29.50	22.10	24.10	29.75	18.58	30.15	33.74	22.93	17.80	18.04	16.93	17.71
3	28.74	21.53	26.90	28.95	18.32	30.24	33.86	22.69	17.99	17.98	16.93	17.56
4	27.67	20.48	26.57	27.79	17.74	30.27	34.25	22.33	17.91	17.95	17.00	17.55
5	26.48	20.49	25.47	26.25	24.53	30.13	34.38	22.08	17.86	17.95	17.00	17.50
6	25.18	20.45	24.68	24.57	23.63	30.55	34.49	21.52	17.78	17.84	17.00	17.45
7	23.58	20.39	23.42	23.87	22.32	29.40	34.53	21.40	17.78	17.84	17.20	18.40
8	22.90	20.60	22.58	23.40	21.03	30.89	34.51	21.68	17.77	17.84	17.44	24.86
9	24.90	20.37	21.94	23.20	20.40	30.04	34.48	21.60	17.74	17.82	17.40	22.45
10	30.55	20.03	21.52	22.70	19.62	28.80	34.43	21.38	17.73	17.81	17.30	20.61
11	29.70	19.70		22.25	19.68	31.60	34.40	21.09	17.71	17.78	17.28	19.60
12	28.85	19.50		22.32	19.19	30.08	34.38	20.67	17.68	17.70	17.22	18.96
13	30.35	19.74 F	20.15	22.07	19.07	28.51	34.30	20.26	17.68	17.70	17.23	18.38
14	30.87	19.55	20.01	21.68	19.18	27.13	34.25	19.64	17.70	17.70	17.31	18.13
15	30.19	19.25	19.96	21.46	19.61	31.60	34.15	18.98	17.75	17.70	17.34	18.01
16	29.30	19.11	19.64	20.60	21.64	31.05	33.92	18.78	17.95	17.72	17.65	17.97
17	28.33	18.55	19.27	20.20	29.30	29.95	33.65	18.60	17.83	17.80	17.70	17.81
18	26.95	18.28	19.33	20.01	31.25	28.77	33.29	18.51	17.72	17.83	17.53	17.74
19	31.03	18.50	19.12	19.74	34.53	27.50	32.80	19.00	17.66	17.80	17.39	17.78
20	30.97	18.60	18.93	19.50	34.91	25.79	32.40	18.67	18.40	17.80	17.38	18.09
21	30.35	22.97	22.20	18.70	34.90	24.26	31.83	18.49	19.15	17.80	17.35	18.10
22	29.48	26.33	26.85	18.38	34.85	23.35	31.13	18.85	19.05	17.78	17.38	17.77
23	28.50	26.42	28.55	18.66	34.74	22.85	30.50	18.47	18.41	17.78	17.89	17.75
24	27.23	26.38	27.72	18.59	34.56	22.78	29.95	18.37	18.15	17.80	18.23	17.73
25	25.51	26.27	26.44	18.46	34.37	22.60	29.22	18.43	18.10	17.83	18.22	17.73
26	24.17	26.09	24.89	18.39	34.23	22.24	28.40	18.61	18.10	17.73	18.10	17.98
27	23.48	25.72	26.65	18.25	34.02	22.85	27.15	18.46	18.08	17.40	18.00	17.96
28	23.03	25.27	28.22	18.22	33.80	29.30	25.37	18.65	18.11	17.18	17.99	17.90
29	22.70	-----	28.60	18.26	33.22	32.30	24.00	19.88	18.10	17.01	18.42	18.40
30	22.42	-----	31.85	18.13	32.30	33.35	23.48	19.19	18.19	16.95	18.30	22.08
31	22.25	-----	31.20	-----	31.50	-----	23.15	18.71	-----	16.86	-----	22.91

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	27.27	21.61	24.17	21.82	26.62	28.31	31.74	20.03	17.99	17.71	17.50	18.74
MAX	31.03	26.42	31.85	30.38	34.91	33.35	34.53	23.04	19.15	18.15	18.42	24.86
MIN	22.25	18.28	18.93	18.13	17.74	22.24	23.15	18.37	17.66	16.86	16.88	17.45
DAYS	31	28	29	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 22.81.

HIGHEST STAGE WAS 34.95 AT 2:00 P.M. ON MAY 21 AND LATEST DATE(S).

LOWEST STAGE WAS 16.83 ON OCT 31.

DAILY STAGE FOR 1989

BAYOU BOEUF AT MEEKER, LA.

LOCATION. LAT. 31-02-25, LONG. 92-22-21. ON U. S. HIGHWAY 167 BRIDGE, ONE MILE SOUTH OF MEEKER, LA.
(STA. 6180015.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. OCT. 22, 1954 TO DATE. FOR RECORDS FROM 1939 TO 1954, REFER TO GAGE AT LYLES,
LA. (D-JJ).EXTREMES. HIGHEST, 67.99 FEET ON DEC. 27, 1982. LOWEST, 58.28 FEET ON SEP. 29, 1956, AND OCT. 20,
1963.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1952 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62.57		61.98	62.91	60.58	61.45	66.92	60.89	60.74			
2	62.45		62.02	62.56	60.81	61.36	66.98	61.07	60.72			60.65
3	62.27		62.07	62.30	60.78	62.04	67.26	60.93	60.66			60.73
4	62.12	61.05	62.00	62.06	60.70	62.10	67.26	60.74	60.59			60.58
5	61.94	61.01	61.95	61.78	61.79	62.02	66.98	60.60	60.54			60.31
6	61.70	61.00	61.79	61.63	61.72	61.77	66.84	60.43	60.47			60.04
7	61.50	61.03	61.54	61.59	61.54	61.55	66.85	60.27	60.40			60.33
8	61.37	61.02	61.34	61.52	61.26	61.86	66.45	60.43	60.34			60.65
9	61.64	61.00	61.28	61.46	61.07	61.68	66.03	60.65	60.25			61.06
10	61.87	60.92	61.13	61.39	60.91	61.46	65.69	60.78	60.28			60.88
11	61.90	60.87	61.04	61.34	60.84	62.00	65.35	60.80	60.35			60.54
12	62.10	60.84	60.90	61.30	60.80	61.52	64.91	60.64	60.47			60.63
13	62.65	60.83	60.79	61.25	60.75	61.32	64.24	60.55	60.38			60.93
14	62.83	60.83	60.72	61.19	60.87	61.26	63.72	60.47	60.39			60.99
15	62.63	60.84	60.68	61.08	61.15		63.37	60.42				60.59
16	62.35	60.85	60.77	61.00	61.30	62.65	63.03	60.29				61.07
17	62.09	60.82	60.92	60.98	62.90	62.48	62.67	60.35				61.09
18	61.86	60.79	60.92	60.97	64.17	62.13	62.38	60.40			61.09	61.12
19	62.62	60.78	60.94	60.95	66.55	61.66	62.07	60.44			61.19	61.20
20	62.49	60.78	60.92	60.94	66.25	61.34	61.82	60.36			61.02	61.39
21	62.28	62.62	61.81	60.92	66.39	61.11	61.73	60.27			60.64	61.55
22	62.10	63.31	62.52	60.90	66.19	61.01	61.70	60.16			60.19	61.96
23	61.89	63.30	62.34	60.87	65.81	61.05	61.59	60.19			61.13	62.15
24	61.66	63.15	62.14	60.85	65.35	61.16	61.53	60.21			61.29	62.06
25	61.47	62.98	61.90	60.79	64.87	61.07	61.26	60.25			61.08	61.75
26	61.36	62.78	61.68	60.63	64.37	60.92	61.26	60.35			60.85	61.53
27	61.32	62.53	62.08	60.55	63.77	61.04	61.16	60.38			60.60	61.23
28	61.27	62.25	62.29	60.44	63.06	63.06	60.94	60.24				61.10
29	61.20	-----	62.40	60.46	62.41	64.99		60.27				60.79
30	61.12	-----	63.38	60.46	61.92	66.84		60.41				60.52
31	61.07	-----	63.32	-----	61.62	-----		60.72	-----		-----	60.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	61.93	61.53	61.66	61.24	62.66	61.93	64.00	60.48	60.47		60.91	60.99
MAX	62.83	63.31	63.38	62.91	66.55	66.84	67.26	61.07	60.74		61.29	62.15
MIN	61.07	60.78	60.68	60.44	60.58	60.92	60.94	60.16	60.25		60.19	60.04
DAYS	31	25	31	30	31	29	28	31	14	0	10	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 290

THE MEAN STAGE FOR THE YEAR WAS 61.71.

HIGHEST STAGE WAS 67.32 AT 3:00 P.M. ON JUL 3.

LOWEST STAGE WAS 59.90 ON DEC 7.

DAILY STAGE FOR 1989

BAYOU TECHE AT PORT BARRE, LA.

LOCATION. LAT. 30-32-47, LONG. 91-58-03. ON U. S. HIGHWAY 190 BRIDGE (STA. 6405012A.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE KNOWN AS RANGE 16 FROM 1932 TO 1933, AND BAYOU TECHE AT HEAD FROM 1936 TO 1939. PRIOR TO JAN. 15, 1985 GAGE LOCATED 1.5 MILES UPSTREAM.

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933, AND 1936 TO 1937. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 28.27 FEET ON MAY 24, 1953. LOWEST, 10.30 FEET ON OCT. 18, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		16.64	17.93	19.78	17.59	19.42	21.05	17.75	17.69	17.09	15.32	15.86
2		17.37	17.89	19.43	17.55	19.18	20.91	17.78	17.60	16.35	15.31	16.02
3	F 19.18	17.60	18.87	19.10	17.52	18.86	21.25	17.77	17.54	15.53	15.26	16.08
4	18.76	16.43	18.40	18.72	17.48	18.75	21.71	17.70	17.53	15.34	15.20	15.70
5	17.82	15.70	17.96	18.38	18.45	18.60	21.70	17.64	17.52	15.57	15.18	15.32
6	17.10	15.99	17.44	17.90	17.19	19.12	21.25	17.56	17.51	15.73	15.17	15.40
7	17.90	16.54	18.18	17.62	18.28	19.00	21.00	17.44	17.51	15.87	15.85	17.11
8	17.61	16.93	18.15	17.85	18.15	19.06	20.89	17.55	17.48	15.95	16.03	19.11
9	17.33	17.18	18.01	17.78	17.89	19.13	20.72	17.52	17.47	16.01	15.17	17.95
10	19.10	17.21	17.89	17.64	17.68	18.89	20.59	17.51	17.47	16.05	15.11	16.80
11	18.95	17.16	17.79	17.34	17.41	18.81	20.50	17.44	17.53	16.00	15.16	16.04
12	18.77	16.99	17.68	17.72	17.12	18.85	20.53	17.58	17.63	15.95	15.18	15.83
13	18.87	16.79	17.55	17.76	17.32	18.67	20.38	17.64	17.60	15.89	15.19	15.20
14	19.18	16.57	17.40	17.71	17.55	18.35	22.28	17.60	17.54	15.85	15.53	15.59
15	19.14	16.31	17.50	17.70	17.66	20.12	21.87	17.47	17.50	15.81	15.13	15.99
16	19.00	16.13	17.70	17.59	17.83	19.90	21.66	17.37	17.43	15.79	14.68	15.51
17	18.60	15.87	17.72	17.43	18.59	19.64	21.45	17.27	17.47	15.80	14.93	15.59
18	18.09	15.50	17.73	17.49	18.51	19.28	21.10	17.44	17.47	15.00	15.16	15.83
19	19.73	15.13	17.73	17.50	20.95	18.75	20.78	17.50	17.42	15.23	15.26	16.00
20	19.90	14.87	17.70	17.46	20.88	18.24	20.75	17.57	17.40	15.40	15.32	15.41
21	19.80	15.05	17.80	17.40	20.87	18.07	20.32	17.56	17.52	15.51	15.33	15.52
22	19.42	18.20	18.64	17.48	20.90	17.70	19.92	17.58	17.60	15.63	15.35	15.83
23	18.97	18.14	19.00	17.52	20.66	17.84	19.59	17.61	17.60	15.71	16.04 F	15.30
24	18.42	18.06	18.80	17.57	20.36	17.62	19.50	17.61	17.50	15.78	15.51	
25	17.83	18.16	18.45	17.58	20.11	17.40	19.12	17.58	17.54	15.80	15.09	
26	17.22	18.20	18.03	17.58	19.93	17.17	18.75	17.61	17.53	15.82	15.55 F	13.63
27	16.87	18.15	17.87	17.54	19.85	17.65	18.34	17.62	17.52	15.78	15.86	14.19
28	17.69	18.08	18.25	17.55	19.80	20.40	17.80	17.60	17.51	15.68	16.34	14.80
29	17.74	-----	18.30	17.60	19.76	20.45	17.91	17.72	17.53	15.55	15.71	16.35
30	17.66	-----	19.65	17.62	19.68	21.01	17.68	17.80	17.55	15.45	15.57	19.22
31	17.07	-----	19.89	-----	19.74	-----	17.44	17.80	-----	15.39	-----	19.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	18.40	16.82	18.13	17.84	18.81	18.86	20.28	17.59	17.52	15.75	15.38	16.08
MAX	19.90	18.20	19.89	19.78	20.95	21.01	22.28	17.80	17.69	17.09	16.34	19.38
MIN	16.87	14.87	17.40	17.34	17.12	17.17	17.44	17.27	17.40	15.00	14.68	13.63
DAYS	29	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 17.64.

HIGHEST STAGE WAS 22.29 AT 9:30 A.M. ON JUL 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 13.56 ON DEC 26.

DAILY STAGE FOR 1969

BAYOU TECHE AT ARNAUDVILLE, LA.

LOCATION. LAT. 30-23-50, LONG. 91-55-50. ON STATE HIGHWAY 31 BRIDGE, 270 FEET UPSTREAM FROM BAYOU FUSILIER. (STA. 6410012C.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE FEB. 1953.

RECORDS AVAILABLE. STAGE, INTERMITTENTLY, 1932 TO 1943. DAILY, NOV. 2, 1943 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1943. DISCHARGE, 1946 TO 1956, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.27 FEET ON MAY 23, 1953. LOWEST, 6.78 FEET ON OCT. 28, 1956.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.55	13.64	14.37	15.47	14.08	15.23	18.96		14.13		12.36	12.75
2	16.98	13.88	14.30	15.30	14.05	14.98	18.55		14.06		12.39	12.88
3	16.50	14.07	14.57	15.11	14.04		18.38		14.01		12.33	12.92
4	15.41	13.54	14.85	14.90	14.22		19.05		13.99		12.29	12.76
5	14.69	13.00	14.63	14.71	14.75		19.12		13.98		12.26	12.51
6	14.11	13.02	14.30	14.37	14.17		18.67		13.98	12.68	12.27	12.60
7	14.28	13.32	14.21	14.17	14.46		18.21		13.99	12.75	12.77	16.04
8	14.21	13.62	14.46	14.21	14.46		17.56	14.59	13.95	12.81	12.97	17.35
9	14.12	13.78	14.45	14.17	14.32	15.30	17.42	14.22	13.94	12.84	12.50	16.36
10	14.98	13.85	14.37	14.08	14.15	15.09	16.99	14.07	13.96	12.87	12.25	14.83
11	15.26	13.83	14.26	13.98	13.97	14.95	16.64	14.00	14.02	12.87	12.25	13.76
12	15.06	13.74	14.17	14.13	13.81	14.94	16.66	14.04	14.05	12.84	12.26	13.46
13	15.22	13.60	14.10	14.20	13.84	14.86	16.23	14.10	14.03	12.80	12.27	12.66
14	15.32	13.47	14.01	14.21	13.98	15.19	20.11	14.09	13.98	12.76	12.72	12.59
15	15.27	13.31	13.94	14.19	14.09	17.52	21.09	14.04	13.91	12.74	12.99	12.84
16	15.12	13.17	13.99	14.13	14.20	17.25	20.71	13.97	13.92	12.74	12.63	12.68
17	14.91	13.02	14.10	14.03	14.53	16.63	19.70	13.95	13.90	12.81	12.19	12.58
18	15.23	12.80	14.15	14.02	15.85	15.90	19.11	14.07	13.91	12.37	12.25	12.74
19	17.40	12.55	14.16	14.03	18.36	15.24	19.61	14.04	13.98	12.27	12.32	12.85
20	17.53	12.32	14.15	14.02	18.17	14.79	19.17	14.06	13.95	12.39	12.35	12.61
21	17.10	12.28	14.27	13.98	17.95	14.60	18.46	14.06	13.92	12.48	12.37	12.51
22	16.33	13.48		13.98	17.88	14.46		14.07	13.91	12.56	12.54	12.66
23	15.56	14.41		14.03	17.23	14.45		14.09		12.63	13.09	12.39
24	15.00	14.46		14.06	16.61	14.23		14.08		12.68	12.77	11.97
25	14.52	14.45		14.07	16.06	14.06		14.08		12.70	12.43	11.63
26	14.05	14.47		14.07	15.73	13.93		14.08		12.72	12.52	11.36
27	13.84	14.47		14.06	15.57	14.38		14.08		12.70	12.78	11.45
28	14.19	14.45		14.07	15.50	17.95		14.11		12.63	13.18	11.92
29	14.32	-----		14.10	15.45	19.02		14.18		12.54	12.93	14.79
30	14.26	-----	15.53	14.11	15.41	19.21		14.21		12.47	12.62	16.99
31	13.92	-----	15.56	-----	15.40	-----		14.19	-----	12.41	-----	17.12

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.23	13.57	14.39	14.27	15.24	15.59	18.59	14.10	13.98	12.66	12.53	13.37
MAX	17.55	14.47	15.56	15.47	18.36	19.21	21.09	14.59	14.13	12.87	13.18	17.35
MIN	13.84	12.28	13.94	13.98	13.81	13.93	16.23	13.95	13.90	12.27	12.19	11.36
DAYS	31	28	23	30	31	24	21	24	22	26	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 321
 THE MEAN STAGE FOR THE YEAR WAS 14.37.
 HIGHEST STAGE WAS 21.19 AT 11:27 A.M. ON JUL 15.
 LOWEST STAGE WAS 11.27 ON DEC 26.

DAILY STAGE FOR 1989

RUTH CANAL AT RUTH, LA. (EAST)

LOCATION. LAT. 30-14-33, LONG. 91-53-02. ABOUT 100 FEET UPSTREAM FROM CONTROL STRUCTURE, 0.4 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6415012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO JAN. 21, 1947 REFER TO GAGE LOCATED ON OLD STATE HIGHWAY 25 (PRESENTLY HIGHWAY 31) BRIDGE, 600 FEET UPSTREAM

RECORDS AVAILABLE. INTERMITTENTLY, 1932 TO 1933 AND 1937 TO 1945. DAILY, MAY 1945 TO DATE.

EXTREMES. HIGHEST, 18.4 FEET ON AUG 13 AND 15, 1940. LOWEST, 5.2 FEET ON OCT. 27, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1964 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.31	9.83	9.78	9.84	9.26	9.71	12.16	10.15	8.97	8.96	8.79	9.38
2	11.35	9.81	9.92	9.63	9.28	10.01	11.95	10.00	8.96	8.64	8.78	9.43
3	11.12	9.79	9.93	9.59	9.32	9.97	11.88	9.96	8.92	9.12	8.72	9.42
4	10.83	9.75	9.96	9.51	9.35	9.95	12.40	9.69	8.82	8.97	8.74	9.40
5	10.51	9.77	9.89	9.51	9.39	11.26	12.21	9.78	8.74	8.99	8.79	9.33
6	10.25	9.78	9.96	9.49	9.45	10.75	12.14	9.55	8.76	9.04	8.77	10.12
7	10.29	9.81	9.94	9.45	9.54	10.97	11.88	9.51	8.89	9.10	9.23	10.94
8	10.23	9.92	9.89	9.41	9.48	11.27	11.85	9.78	8.87	9.15	9.18	11.88
9	10.93	9.98	9.84	9.39	9.45	11.23	11.44	9.59	8.83	9.11	8.98	11.53
10	10.83	10.02	9.78	9.38	9.41	11.18	11.30	9.41	8.85	9.13	8.74	10.94
11	10.93	10.06	9.69	9.39	9.31	10.62	11.03	9.33	8.83	9.14	8.73	10.22
12	10.84	9.71	9.13	9.43	9.28	9.83	11.00	9.20	8.86	9.12	8.71	10.14
13	10.63	9.68	9.11	9.42	9.25	9.86	10.80	9.18	8.87	9.10	8.78	9.80
14	10.23	9.62	8.96	9.47	9.25	11.12	15.69	9.17	8.89	9.09	10.42	9.61
15	10.61	9.58	8.93	9.46	9.23	10.97	14.04	9.12	8.90	9.08	9.60	9.64
16	10.45	9.49	8.89	9.39	9.19	10.73	15.30	9.03	8.85	9.10	9.53	9.61
17	10.58	9.45	8.85	9.37	9.16	10.55	13.20	8.98	8.65	9.20	9.02	9.50
18	10.94	9.41	8.83	9.35	11.32	9.97	12.88	9.04	8.73	9.02	9.79	9.54
19	11.13	9.43	9.45	9.37	11.39	9.95	12.56	9.00	8.75	8.78	8.77	9.60
20	11.77	9.39	9.36	9.34	11.45	9.75	12.93	8.97	8.75	8.71	8.76	9.57
21	11.57	9.36	9.48	9.32	9.84	9.71	12.63	8.96	8.77	8.86	8.74	9.45
22	10.79	9.32	10.18	9.33	9.79	9.73	12.34	8.95	8.85	8.98	9.44	9.42
23	10.64	9.28	9.98	9.45	9.75	9.78	12.03	8.96	8.86	8.97	9.82	9.44
24	10.53	9.25	9.91	9.41	9.73	9.81	11.78	8.99	8.63	8.98	9.61	9.30
25	10.51	9.21	9.85	9.39	9.68	9.81	11.42	8.98	8.74	8.99	9.43	9.20
26	10.47	9.78	9.94	9.37	9.63	9.83	11.22	8.96	8.76	8.97	9.38	9.13
27	10.31	9.83	9.88	9.34	9.58	11.14	10.79	8.94	8.76	9.00	9.42	9.23
28	10.19	9.81	9.87	9.36	9.83	13.14	10.57	8.93	8.77	8.99	9.55	9.32
29	10.15	-----	10.14	9.39	9.78	12.51	10.48	9.05	8.79	8.88	9.74	10.55
30	9.95	-----	10.11	9.27	9.73	12.20	10.34	9.00	8.77	8.80	9.36	11.62
31	9.89	-----	9.88	-----	9.69	-----	10.20	8.99	-----	8.80	-----	11.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.67	9.65	9.66	9.43	9.67	10.58	12.01	9.26	8.81	8.99	9.18	9.94
MAX	11.77	10.06	10.18	9.84	11.45	13.14	15.69	10.15	8.97	9.20	10.42	11.88
MIN	9.89	9.21	8.83	9.27	9.16	9.71	10.20	8.93	8.63	8.64	8.71	9.13
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 9.83.

HIGHEST STAGE WAS 15.69 ON JUL 14.

LOWEST STAGE WAS 8.63 ON SEP 24.

DAILY GATE-OPENINGS FOR 1989

RUTH CANAL CONTROL STRUCTURE

PHYSICAL DATA. CONTROL STRUCTURE CONSISTS OF THREE GATES, EACH EIGHT FEET WIDE. ALL GATES ARE OPENED THE SAME AMOUNT.

REMARKS. STRUCTURE IS OPERATED AND MAINTAINED BY THE TECHE-VERMILION FRESHWATER DISTRICT, LAFAYETTE, LA.

DAILY EIGHT A.M. GATE OPENINGS IN INCHES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2	2	6	8	12	12	12	12	12	12	6	3
2	2	2	6	8	12	12	12	12	12	12	6	3
3	2	2	6	8	12	12	12	12	12	6	6	3
4	2	2	6	8	12	12	12	12	12	6	6	3
5	2	2	6	8	12	12	12	12	12	6	6	3
6	2	2	6	8	12	12	12	12	12	6	6	3
7	2	2	6	8	12	12	12	12	12	6	6	3
8	2	2	6	8	12	12	12	12	12	6	6	3
9	2	2	6	8	12	12	12	12	12	6	6	3
10	2	2	6	8	12	12	12	12	12	6	6	3
11	2	2	6	8	12	12	12	12	12	6	6	3
12	2	2	6	8	12	12	12	12	12	6	6	3
13	2	2	6	8	12	12	12	12	12	6	6	3
14	2	2	6	8	12	12	12	12	12	6	6	3
15	2	2	6	8	12	12	12	12	12	6	6	3
16	2	2	6	8	12	12	12	12	12	6	6	3
17	2	2	6	8	12	12	12	12	12	6	6	3
18	2	2	6	8	12	12	12	12	12	6	6	3
19	2	2	8	8	12	12	12	12	12	6	6	3
20	2	2	8	8	12	12	12	12	12	6	6	3
21	2	2	8	8	12	12	12	12	12	6	6	3
22	2	2	8	8	12	12	12	12	12	6	3	3
23	2	6	8	12	12	12	12	12	12	6	3	3
24	2	6	8	12	12	12	12	12	12	6	3	3
25	2	6	8	12	12	12	12	12	12	6	3	3
26	2	6	8	12	12	12	12	12	12	6	3	3
27	2	6	8	12	12	12	12	12	12	6	3	3
28	2	6	8	12	12	12	12	12	12	6	3	3
29	2	-----	8	12	12	12	12	12	12	6	3	3
30	2	-----	8	12	12	12	12	12	12	6	3	3
31	2	-----	8	-----	12	-----	12	12	-----	6	-----	3

DAILY STAGE FOR 1989

BAYOU TECHE AT KEYSTONE LOCK (LA.) (UPPER)

LOCATION. LAT. 30-04-15, LONG. 91-49-44. UPSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER, 3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 64200120.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. STAGE, JULY 1, 1913 TO DATE. DISCHARGE, COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 24.30 FEET ON MAY 27, 1927. LOWEST, 0.75 FOOT ON JULY 18, 1918.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.89	10.44	10.37	10.49	10.23	10.46	11.11	10.42	10.18	10.10	10.02	10.21
2	10.92	10.42	10.38	10.47	10.21	10.48	11.07	10.44	10.14	10.05	10.08	10.21
3	10.85	10.47	10.40	10.44	10.21	10.48	11.03	10.41	10.13	10.11	10.01	
4	10.73	10.46	10.46	10.35	10.22	10.43	11.05	10.38	10.12	10.05	10.00	
5	10.64	10.37	10.45	10.33	10.39	10.40	11.15	10.35	10.13	10.02	10.00	
6	10.52	10.33	10.37	10.26	10.34	10.84	11.10	10.32	10.13	10.06	10.01	
7	10.45	10.37	10.35	10.21	10.34	10.70	11.05	10.28	10.15	10.10	10.04	
8	10.48	10.38	10.38	10.18	10.29	10.67	10.99	10.44	10.14	10.11	10.19	
9	10.45	10.41	10.37	10.20	10.29	10.56	10.93	10.35	10.13	10.11	10.12	
10	10.53	10.43	10.27	10.18	10.27	10.48	10.86	10.30	10.15	10.11	10.02	
11	10.60	10.45	10.25	10.15	10.22	10.44	10.80	10.25	10.13	10.12	10.00	10.52
12	10.62	10.46	10.25	10.14	10.19	10.41	10.75	10.23	10.14	10.12	10.00	10.45
13	10.64	10.43	10.24	10.18	10.17	10.40	10.73	10.22	10.14	10.11	10.02	10.31
14	10.69	10.42	10.23	10.22	10.20	10.32	12.65	10.22	10.18	10.10	10.05	10.22
15	10.64	10.40	10.23	10.25	10.22	10.90	11.78	10.20	10.14	10.10	10.44	10.25
16	10.61	10.37	10.23	10.22	10.24	10.80	11.45	10.18	10.11	10.10	10.34	10.25
17	10.58	10.34	10.24	10.20	10.27	10.72	11.37	10.17	10.10	10.11	10.10	10.21
18	10.55	10.31	10.25	10.20	10.33	10.64	11.30	10.21	10.09	10.10	10.03	10.22
19	11.07	10.27	10.25	10.20	11.85	10.54	11.22	10.19	10.10	9.97	10.04	10.25
20	11.06	10.24	10.25	10.20	10.97	10.43	11.32	10.17	10.10	9.98	10.04	10.24
21	10.99	10.26	10.26	10.19	10.90	10.36	11.24	10.17	10.10	10.02	10.03	10.21
22	10.89	10.29	10.35	10.20	10.91	10.31	11.15	10.16	10.12	10.05	10.01	10.22
23	10.77	10.48	10.53	10.21	10.85	10.29	11.06	10.17	10.12	10.07	10.38	10.13
24	10.66	10.53	10.49	10.22	10.80	10.28	10.98	10.17	10.11	10.08	10.27	10.14
25	10.58	10.40	10.43	10.24	10.71	10.23	10.91	10.17	10.11	10.07	10.20	10.11
26	10.51	10.38	10.37	10.24	10.62	10.19	10.83	10.17	10.11	10.08	10.17	10.01
27	10.45	10.38	10.31	10.23	10.57	10.19	10.73	10.17	10.12	10.09	10.19	10.00
28	10.44	10.40	10.30	10.24	10.53	11.65	10.65	10.16	10.12	10.09	10.28	10.07
29	10.48	-----	10.32	10.23	10.50	11.28	10.58	10.19	10.12	10.05	10.29	10.57
30	10.51	-----	10.52	10.23	10.48	11.15	10.55	10.18	10.10	10.04	10.21	10.98
31	10.48	-----	10.50	-----	10.46	-----	10.53	10.19	-----	10.04	-----	11.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.65	10.39	10.34	10.24	10.48	10.57	11.06	10.25	10.13	10.07	10.12	10.30
MAX	11.07	10.53	10.53	10.49	11.85	11.65	12.65	10.44	10.18	10.12	10.44	11.20
MIN	10.44	10.24	10.23	10.14	10.17	10.19	10.53	10.16	10.09	9.97	10.00	10.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	23

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357

THE MEAN STAGE FOR THE YEAR WAS 10.39.

HIGHEST STAGE WAS 12.65 ON JUL 14.

LOWEST STAGE WAS 9.97 ON OCT 19.

DAILY STAGE FOR 1989

BAYOU TECHE AT KEYSTONE LOCK (LA.) (LOWER)

LOCATION. LAT. 30-04-13, LONG. 91-49-42. DOWNSTREAM SIDE OF LOCK AND DAM, ON WEST FENDER,
3.8 MILES SOUTH OF ST. MARTINVILLE, LA. (STA. 6425012D.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1989.

RECORDS AVAILABLE. JULY 1, 1913 TO DATE.

EXTREMES. HIGHEST, 24.30 FEET (GATES OPEN) ON MAY 27, 1927. LOWEST, MINUS 0.7 FOOT ON SEPT. 22, 1913.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.15	4.34	3.41	4.72	3.40	4.46	8.90	4.97	3.46	2.97	2.70	2.68
2	5.18	4.18	3.51	4.63	3.10	6.20	8.41	5.26	3.40	3.10	3.35	2.70
3	5.20	3.99	4.40	4.57	3.22	4.86	8.07	5.32	3.23	3.16	2.70	
4	4.75	3.85	4.03	4.30	3.47	4.46	8.20	4.53	3.11	3.03	2.43	
5	4.35	3.42	4.08	4.31	4.37	4.23	8.66	4.15	3.24	2.92	2.78	
6	4.49	3.25	3.51	3.77	4.37	6.78	8.20	3.75	3.46	3.17	2.80	
7	4.39	3.39	3.41	3.55	4.37	5.80	8.26	3.85	3.70	3.20	2.90	
8	4.45	3.25	3.41	3.22	3.85	5.95	7.93	5.44	3.65	3.09	3.25	
9	4.36	3.21	3.40	3.29	3.71	5.46	7.48	3.90	3.61	2.89	3.73	
10	4.63	3.21	3.18	3.26	3.77	5.12	7.11	3.88	3.61	2.93	3.05	
11	5.03	3.45	3.09	2.88	3.45	4.79	6.85	3.30	3.53	3.05	2.82	5.24
12	4.42	3.53	3.18	2.82	3.23	4.51	6.52	3.39	3.24	3.15	2.88	5.45
13	4.94	3.68	3.13	3.07	3.21	4.42	6.25	3.41	3.58	3.24	2.96	4.70
14	5.07	3.76	3.18	3.23	3.56	4.22	11.65	3.43	4.00	3.21	3.25	3.89
15	5.65	3.76	3.30	3.64	3.57	8.53	11.25	3.40	3.89	3.24	5.10	3.58
16	5.15	3.61	3.42	3.40	3.43	6.65	10.03	3.40	3.41	3.55	4.20	3.46
17	4.05	3.45	3.48	3.32	3.56	5.98	9.57	3.36	3.11	3.60	3.43	3.11
18	4.30	3.18	3.50	3.30	4.03	5.45	9.15	3.43	3.09	3.46	2.95	3.05
19	7.52	2.95	3.45	3.30	9.20	5.40	8.76	3.43	2.98	2.86	2.73	3.19
20	7.07	3.01	3.38	3.20	7.55	4.97	9.18	3.35	3.05	1.99	2.65	3.18
21	6.74	3.47	3.57	3.02	6.92	4.40	8.87	3.39	3.25	1.97	2.60	3.02
22	6.10	3.36	3.67	2.98	6.75	3.85	8.46	3.38	3.35	2.40	2.57	2.91
23	5.55	3.36	4.55	3.13	6.50	4.10	8.27	3.61	3.11	2.45	4.49	2.69
24	4.95	3.37	4.33	3.29	6.05	4.20	8.60	3.94	2.92	2.65	3.73	2.43
25	4.52	3.15	4.13	3.43	5.65	4.19	7.70	3.78	2.60	2.66	3.26	1.92
26	4.00	3.08	4.00	3.50	5.28	3.98	7.15	3.71	2.74	2.60	2.81	1.97
27	4.17	3.23	3.90	3.44	5.36	3.84	6.78	3.75	2.83	2.70	2.95	1.93
28	4.04	3.54	3.85	3.52	5.52	10.45	6.28	3.35	2.96	2.70	3.70	2.06
29	4.32	-----	4.00	3.59	4.76	10.30	5.80	3.53	3.01	2.84	3.69	2.50
30	4.56	-----	5.63	3.57	4.57	9.72	5.45	3.45	3.01	2.98	3.03	6.38
31	4.60	-----	4.72	-----	4.46	-----	5.10	3.49	-----	2.92	-----	9.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.96	3.47	3.74	3.51	4.66	5.58	8.03	3.82	3.27	2.93	3.18	3.56
MAX	7.52	4.34	5.63	4.72	9.20	10.45	11.65	5.44	4.00	3.60	5.10	9.81
MIN	4.00	2.95	3.09	2.82	3.20	3.84	5.10	3.30	2.60	1.97	2.43	1.92
DAYS	31	28	31	30	31	30	31	31	30	31	30	23

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357

THE MEAN STAGE FOR THE YEAR WAS 4.25.

HIGHEST STAGE WAS 12.25 AT 4:00 P.M. ON JUL 14.

LOWEST STAGE WAS 1.92 ON DEC 25.

DAILY STAGE FOR 1989

CHARENTON DRAINAGE CANAL NEAR FLOODGATE (LA.)

LOCATION. LAT. 29-53-30, LONG. 91-31-32. IN CHARENTON DRAINAGE CANAL WEST OF FLOODGATE.
(STA. 6440013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 1970 GAGE WAS LOCATED ABOUT 200 FEET NORTH OF PRESENT LOCATION.

RECORDS AVAILABLE. JAN. 1943 TO NOV. 1945, AND APR. 1946 TO DATE.

EXTREMES. HIGHEST, 7.3 FEET ON JUNE 8, 1953. LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.43 FEET
ON DEC. 22, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.15	1.08	0.74	1.45	1.01	1.63	3.57	2.16	1.39	1.00	0.85	0.32
2	1.13	1.07	1.00	1.80	0.76	1.80	3.56	2.34	1.35	1.08	1.20	0.45
3	1.20	1.16	1.08	1.75	1.10	1.95	3.46	2.08	1.09	1.05	0.54	0.19
4	0.88	0.69	1.55	1.90	1.60	1.97	3.61	1.84	1.18	1.01	0.85	0.05
5	1.00	0.76	1.93	1.68	2.06	2.02	3.54	1.59	1.41	1.18	1.09	0.37
6	1.44	0.76	1.09	1.21	1.63	2.22	3.43	1.26	1.49	1.37	1.23	0.40
7	1.38	0.46	0.68	1.36	1.30	2.10	3.43	1.12	1.65	1.42	1.40	0.90
8	1.60	0.36	0.52	1.28	1.24	2.55	3.35	1.07	1.60	1.10	1.52	1.55
9	1.15	0.09	0.37	1.33	1.71	2.05	3.26	0.97	1.58	0.88	1.25	1.09
10	1.28	0.06	0.49	0.85	1.33	1.83	3.18	1.12	1.53	1.14	1.00	0.74
11	1.43	0.49	0.64	0.21	0.73	1.96	3.05	1.07	1.52	1.10	1.01	0.97
12	1.43	0.47	0.65	0.56	0.71	1.92	2.92	1.17	1.42	1.33	1.04	0.99
13	1.25	0.81	0.67	0.78	1.07	1.93	2.78	1.19	1.47	1.29	1.11	0.21
14	0.98	0.97	0.78	0.90	1.21	1.95	3.14	1.20	1.71	1.13	1.35	0.41
15	0.96	1.03	1.08	1.14	1.27	2.58	3.31	1.35	1.48	1.30	1.71	0.63
16	0.80	1.10	1.15	0.81	1.26	2.34	3.38	1.32	0.99	1.66	1.38	0.07
17	0.62	0.75	1.24	1.13	1.65	2.22	3.30	1.33	0.92	1.78	0.89	0.24
18	0.85	0.57	1.34	1.14	1.81	2.11	3.27	1.29	1.07	1.45	1.06	0.37
19	1.29	0.55	1.15	1.15	2.48	2.01	3.16	1.16	1.33	0.65	0.90	0.47
20	1.64	0.97	1.24	0.80	2.57	1.67	3.19	1.16	1.33	0.26	0.71	-0.06
21	1.35	1.40	1.31	0.62	2.58	1.52	2.95	1.30	1.44	0.47	0.66	0.17
22	1.41	0.70	0.98	0.94	2.46	1.57	2.87	1.52	1.28	0.70	0.75	-0.49
23	1.31	0.03	0.87	1.15	2.48	1.65	2.80	1.75	1.13	0.83	0.68	
24	1.45	-0.36	1.01	1.24	2.32	1.77	2.77	1.79	0.46	0.85	0.32	
25	1.25	0.05	1.17	1.25	2.25	1.80	2.51	1.65	0.62	0.80	0.72 F	-0.84
26	1.14	0.34	1.40	1.24	2.23	1.87	2.42	1.63	0.78	0.84	0.84	-0.32
27	0.99	0.66	1.37	1.14	2.00	2.28	2.30	1.54	0.77	0.60	0.93	-0.15
28	0.79	0.93	1.34	1.23	1.62	3.30	2.07	1.41	0.93	0.91	1.22	0.02
29	1.07	-----	1.61	1.28	1.42	3.43	1.94	1.26	0.85	1.02	0.63	0.33
30	1.01	-----	1.96	1.04	1.48	3.55	1.85	1.36	0.78	1.15	0.06	0.87
31	0.91	-----	1.82	-----	1.55	-----	1.80	1.43	-----	1.17	-----	1.87

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.17	0.63	1.10	1.15	1.64	2.12	2.97	1.43	1.22	1.05	0.96	0.41
MAX	1.64	1.40	1.96	1.90	2.58	3.55	3.61	2.34	1.71	1.78	1.71	1.87
MIN	0.62	-0.36	0.37	0.21	0.71	1.52	1.80	0.97	0.46	0.26	0.06	-0.84
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.33.

HIGHEST STAGE WAS 3.65 AT 4:30 P.M. ON JUL 4.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.43 FEET ON DEC 22.

DAILY STAGE FOR 1989

CHARENTON DRAINAGE CANAL AT BALDWIN, LA.

LOCATION. LAT. 29-49-23, LONG. 91-32-30. ABOUT 35 FEET SOUTHWEST OF SOUTHERN PACIFIC RAILROAD BRIDGE. (STA. 6445013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1981 GAGE ZERO WAS MINUS 0.26 FOOT NGVD.

RECORDS AVAILABLE. AUG. 15, 1941 TO DATE.

EXTREMES. HIGHEST, 5.16 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD), MINUS 1.82 FEET ON DEC. 22, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.38	0.70	0.45	0.67	0.81	2.09	2.93	3.13	1.59	1.32	0.69	0.45
2	0.34	0.65	0.76	1.56	0.79	2.24	2.87	2.44	1.30	1.25	1.05	0.45
3	0.53	0.72	0.90	1.41	1.50	2.24	2.55	1.95	1.02	1.09	0.40	-0.20
4	0.00	-0.07	1.38	1.80	2.06	2.16	2.46	1.79	1.40	0.95	0.95	0.32
5	0.58	0.50	1.56	0.95	2.48	2.27	2.27	1.43	1.62	1.35	1.33	0.45
6	1.25	0.40	0.34	0.90	1.64	1.87	2.12	0.99	1.90	1.65	1.46	0.47
7	1.05	0.14	0.38	1.29	1.37	1.65	2.10	0.93	1.96	1.64	1.55	0.66
8	1.15	0.52	0.40	1.24	1.43	2.65	2.04	0.96	1.85	0.99	1.50	0.45
9	0.50	-0.35	0.22	1.15	2.20	1.45	2.25	1.05	1.88	1.06	0.55	-0.23
10	1.26	0.15	0.44	0.23	1.06	1.55	2.42	1.29	1.79	1.45	0.63	0.18
11	1.34	0.55	0.47	-0.29	0.54	2.25	2.32	1.15	1.86	1.25	0.72	0.60
12	1.43	0.25	0.40	0.46	0.58	2.13	2.15	1.42	1.72	1.48	0.75	0.08
13	0.53	0.60	0.36	0.60	1.18	2.23	2.12	1.37	1.79	1.30	0.93	-0.20
14	0.87	0.57	0.58	0.74	1.30	2.27	2.27	1.62	1.90	1.07	1.20	0.40
15	0.24	0.65	0.93	0.94	1.35	2.37	2.52	1.55	1.07	1.45	1.62	0.70
16	0.07	0.65	0.84	0.70	1.62	1.56	2.47	1.54	0.65	1.90	0.39	-0.45
17	0.10	0.25	1.07	1.05	2.14	1.70	2.30	1.57	0.87	1.67	0.75	0.32
18	0.44	0.36	1.10	1.06	2.35	1.77	2.38	1.37	1.12	0.84	1.15	0.41
19	0.82	0.52	0.87	1.14	2.78	1.64	2.32	1.20	1.70	0.10	0.90	0.39
20	0.94	1.30	1.29	0.55	2.36	1.27	2.22	1.33	1.55	0.43	0.60	-0.44
21	0.35	1.26	1.24	0.61	2.16	1.36	1.90	1.52	1.84	0.83	0.58	-0.08
22	1.06	0.10	0.60	1.14	2.04	1.45	2.12	1.83	1.40	0.83	0.80	-1.15
23	1.04	-0.60	0.65	1.35	2.10	1.66	2.23	2.12	1.36	0.90	-0.16	
24	1.39	-0.47	0.88	1.21	1.83	1.86	1.95	1.97	0.15	0.84	0.10 F	-1.55
25	1.10	-0.04	1.10	1.15	2.13	1.85	1.73	1.75	1.09	0.68	0.70	-0.80
26	1.00	0.23	1.13	1.05	2.14	2.05	2.00	1.82	1.19	0.74	0.65	-0.46
27	0.75	0.56	1.14	0.92	1.65	2.82	1.90	1.75	0.93	0.64	0.69	-0.25
28	0.65	0.63	1.17	1.07	1.12	3.50	1.82	1.55	1.14	0.83	0.95	-0.12
29	0.81	-----	1.33	0.94	1.27	3.12	1.90	1.45	0.90	0.90	-0.06	0.37
30	0.62	-----	1.25	0.76	1.67	3.03	1.89	1.50	0.80	1.00	-0.20	0.80
31	0.36	-----	0.94	-----	1.89	-----	1.78	1.65	-----	0.94	-----	1.59

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.74	0.38	0.84	0.94	1.66	2.07	2.20	1.58	1.38	1.08	0.77	0.11
MAX	1.43	1.30	1.56	1.80	2.78	3.50	2.93	3.13	1.96	1.90	1.62	1.59
MIN	0.00	-0.60	0.22	-0.29	0.54	1.27	1.73	0.93	0.15	0.10	-0.20	-1.55
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.15.

HIGHEST STAGE WAS 3.97 AT 11:00 A.M. ON JUN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.82 ON DEC 22.

LOCATION. LAT. 29-46-17, LONG. 91-29-01. ON HIGHWAY 183 BRIDGE SOUTHEAST OF FRANKLIN, LA.
(STA. 6455010.)

RECORDS AVAILABLE. DAILY, NOV. 18, 1923 TO SEP. 19, 1951. INTERMITTENTLY, 1951 TO DATE.

GAGE ZERO IS AT M.L.G. (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								3.40				
2	1.50											
3												
4				2.90	2.85							1.43
5									2.65			
6						2.88	3.30					
7		1.60	1.90							2.80		
8												
9								2.20				
10	2.53											
11												
12					1.78				2.90			1.15
13						3.01				2.10		
14		2.05									2.00	
15								2.60				
16					2.40							
17	1.65									2.75		
18							3.45					
19									2.80			1.30
20						2.40						
21			2.35								1.60	
22		1.50						2.80				
23					2.98							
24				2.50						1.90		
25							2.98					
26									2.40			
27	2.10											0.50
28		2.02									1.98	
29		-----										
30		-----			2.48							
31	1.90	-----	2.55	-----		-----			-----	2.00	-----	

DAILY STAGE FOR 1989

BAYOU TECHE AT WEST CALUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-13, LONG. 91-22-31. IN CHANNEL ON SOUTHWEST END OF FLOODGATE, 0.8 MILE
NORTHWEST OF CALUMET, LA. (STA. 6465010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 12, 1951 TO DATE.

EXTREMES. HIGHEST, 4.65 FEET ON APR. 17, 1973. LOWEST, MINUS 2.25 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO MINUS 0.14 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.85	1.70	1.55	1.58	1.55	1.93	3.27	2.54	2.03	2.03	1.14	1.14
2	0.90	1.60	1.60	2.17	1.39	2.36	3.35	2.68	1.73	1.86	1.57	1.17
3	1.15	1.65	1.75	1.99	1.87	2.40	3.04	2.28	1.43	1.65	0.90	0.60
4	1.08	1.14	2.10	2.33	2.03	2.18	3.28	2.10	1.80	1.70	1.55	0.96
5	1.83	1.64	2.34	1.93	2.21	2.11	2.92	2.09	2.07	2.07	1.88	1.14
6	2.49	1.63	1.55	1.30	1.73	2.20	2.76	1.85	2.37	2.30	1.97	1.04
7	2.33	1.85	1.42	1.70	1.25	1.92	2.70	1.87	2.41	2.26	1.79	1.00
8	2.54	1.75	1.35	1.45	1.50	2.27	2.66	1.87	2.30	1.76	1.77	0.58
9	2.01	1.50	1.39	1.55	1.80	2.28	2.72	2.01	2.29	1.80	0.60	-0.12
10	1.89	1.80	1.55	1.45	1.93	1.93	2.89	2.16	2.27	2.18	0.80	0.43
11	1.97	1.57	1.25	1.30	1.64	2.14	2.83	1.94	2.32	1.90	0.88	0.83
12	1.73	1.63	1.25	1.48	1.65	2.15	2.72	2.12	2.23	2.05	0.98	0.38
13	1.73	1.70	1.36	1.35	1.81	2.29	2.65	2.09	2.25	1.70	1.08	0.20
14	1.30	1.69	1.48	1.45	1.80	2.22	3.95	2.20	2.42	1.44	1.58	0.85
15	1.43	1.60	1.75	1.61	1.94	2.63	3.21	2.14	1.54	1.87	1.89	1.23
16	1.48	1.68	1.80	1.45	1.64	2.01	3.15	2.04	1.15	2.25	0.50	0.25
17	1.65	1.40	1.90	1.75	2.00	1.80	2.92	2.17	1.32	2.08	1.00	0.92
18	1.66	1.30	1.88	1.70	2.15	1.90	2.83	1.79	1.55	1.53	1.52	0.97
19	1.74	1.38	1.67	1.65	2.63	1.80	2.83	1.57	2.13	0.93	1.23	0.93
20	1.91	1.90	1.88	1.30	2.39	1.73	2.70	1.68	2.30 F	1.04	0.95	0.03
21	1.24	1.96	1.90	1.60	2.37	1.52	2.46	1.86	2.51 F	1.15	0.94	0.21
22	1.77	1.25	1.43	1.40	2.13	1.70	2.40	2.20	2.23	1.46	1.16 F	-0.43
23	1.87	1.50	1.47	1.65	2.16	1.94	2.47	2.40	2.10	1.42	-0.02	
24	2.07	1.65	1.60	1.55	1.92	2.05	2.34	2.24	1.45	1.27	0.34 F	-0.35
25	1.77	1.85	1.54	1.60	2.10	2.14	2.30	2.06	2.05	1.02	1.07 F	-0.45
26	1.70	2.00	1.65	1.70	2.23	2.17	2.35	2.14	2.15	1.07	0.94	-0.23
27	1.61	1.98	1.80	1.57	2.03	2.57	2.41	2.14	1.80	0.98	1.04	0.03
28	1.38	1.48	1.75	1.69	1.60	3.23	2.19	1.90	1.93	1.24	1.29	0.00
29	1.61	-----	1.90	1.75	1.64	3.43	2.17	1.83	1.63	1.30	0.48	0.47
30	1.52	-----	2.20	1.50	1.83	3.37	2.03	1.84	1.60	1.44	0.55	0.85
31	1.46	-----	2.13	-----	1.95	-----	1.95	2.10	-----	1.70	-----	1.52

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.67	1.63	1.68	1.62	1.90	2.21	2.72	2.06	1.98	1.63	1.11	0.54
MAX	2.54	2.00	2.34	2.33	2.63	3.43	3.95	2.68	2.51	2.30	1.97	1.52
MIN	0.85	1.14	1.25	1.30	1.25	1.52	1.95	1.57	1.15	0.93	-0.02	-0.45
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.73.

HIGHEST STAGE WAS 4.27 AT 5:15 A.M. ON JUL 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.45 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU TECHE AT EAST CALLUMET FLOODGATE (LA.)

LOCATION. LAT. 29-42-08, LONG. 91-22-07. IN CHANNEL ON SOUTHEAST END OF FLOODGATE, 0.2 MILE NORTH OF CALLUMET, LA. (STA. 6470010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.14 FOOT, NGVD.

RECORDS AVAILABLE. SEP. 13, 1951 TO DATE.

EXTREMES. HIGHEST, 5.08 FEET ON OCT. 3, 1964. LOWEST, MINUS 2.34 FEET ON DEC. 23, 1953. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.70	2.19	2.25	2.69	2.70	2.73	3.04			2.08	1.21	1.14
2	0.78	2.20	2.24	2.66	2.69	2.97	3.02			1.94	1.60	1.18
3	1.09	2.20	2.32	2.61	2.67	3.10	3.00			1.72	0.94	0.64
4		2.20	2.32	2.59	2.66	3.06	3.30			1.60	1.62	1.01
5		2.20	2.30	2.63	2.75	3.03	3.39		F 2.08	2.00	1.95	1.18
6		2.19	2.32	2.57	2.70	3.18	3.34		2.30	2.24	2.00	1.12
7		2.15	2.32	2.55	2.68	3.10	3.25		2.35	2.20	1.80	1.10
8		2.16	2.30	2.50	2.66	3.03	3.18		2.24	1.71	1.80	0.60
9		2.23	2.32	2.53	2.63	3.03	3.17	1.99	2.35	1.75	0.65	-0.06
10		2.14	2.33	2.53	2.63	2.98	3.20		2.19	2.14	0.86	0.40
11		2.13	2.34	2.52	2.00	2.92	3.14		2.27	1.86	0.95	0.79
12		2.15	2.37	2.49	2.33	2.92	3.09		2.18	2.03	1.05	0.36
13		2.14	2.38	2.48	2.19	2.88	3.04		2.19	1.70	1.16	0.18
14		2.15	2.39	2.47	2.39	2.87	4.00		2.41	1.45	1.66	0.75
15		2.20	2.40	2.50	2.42	2.94			1.54	2.21	1.92	1.15
16			2.20	2.42	2.53	2.42	2.92		1.17	2.31	0.59	0.25
17	F 1.92	2.25	2.41	2.54	2.43	2.87			1.37	1.92	1.00	0.85
18	1.85	2.21	2.44	2.55	2.43	2.85			1.60	1.40	1.53	0.95
19	1.96	2.23	2.45	2.54	2.77	2.81			2.14	0.80	1.24	0.87
20	2.00	2.23	2.47	2.63	2.79	2.94			2.14	1.20	0.97	0.05
21	2.10	2.24	2.46	2.64	2.80	2.93			2.42	1.45	0.96	0.22
22	2.09	2.20	2.59	2.63	2.78	2.99		F 2.28	2.12	1.40	1.16	-0.84
23	2.09	2.20	2.60	2.63	2.77	3.09			2.02	1.39	0.06	-1.22
24	2.10	2.23	2.61	2.63	2.75	3.07	2.95 F	1.98	1.37	1.20	0.37	-1.15
25	2.11	2.18	2.63	2.62	2.75	3.05	2.95		1.97	0.90	1.03	-0.33
26	2.13	2.18	2.60	2.64	2.72	3.01			2.08	0.99	0.93	-0.17
27	2.13	2.19	2.66	2.65	2.72	2.97			1.75	0.87	1.02	0.03
28	2.14	2.20	2.68	2.64	2.72	3.07			1.90	1.15	1.27	0.10
29	2.16	-----	2.66	2.65	2.72	3.14			1.65	1.19	0.50	0.49
30	2.15	-----	2.69	2.65	2.71	3.09			1.60	1.34	0.55	0.85
31	2.17	-----	2.68	-----	2.72	-----			-----	1.55	-----	1.47

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.87	2.19	2.45	2.58	2.62	2.98	3.19	2.08	1.98	1.60	1.14	0.45
MAX	2.17	2.25	2.69	2.69	2.80	3.18	4.00	2.28	2.42	2.31	2.00	1.47
MIN	0.70	2.13	2.24	2.47	2.00	2.73	2.95	1.98	1.17	0.80	0.06	-1.22
DAYS	18	28	31	30	31	30	16	3	26	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 305

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.05.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.00 AT 7:30 A.M. ON JUL 14.

LOWEST STAGE WAS MINUS 1.30 ON DEC 23.

DAILY STAGE FOR 1989

BAYOU VERMILION AT TONTONS BRIDGE (LA.)

LOCATION. LAT. 30-21-00, LONG. 91-58-53. ON HIGHWAY 726 BRIDGE, NORTHEAST OF CARENCRO,
LA. (STA. 6715012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 6, 1947 TO AUG. 24, 1973 AND MAY 2, 1974 TO DATE.

EXTREMES. HIGHEST, 21.70 FEET ON APR. 21, 1977. LOWEST, MINUS 0.35 FOOT ON DEC. 7, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.02	5.69	5.83	8.20	5.87	7.94	17.61	10.37	6.24	5.59	4.58	4.64
2	15.05	5.44	5.86	7.60	5.64	7.96	16.79	10.28	6.02	5.43	4.63	4.68
3	13.70	5.65	6.74	7.26	5.60	8.56	16.24	9.77	5.85	4.93	4.63	4.71
4	12.35	5.44	6.73	6.95	5.72	8.36	17.08	9.34	5.76	4.53	4.45	4.66
5	10.55	4.89	6.49	7.30	8.34	7.77	17.59	8.86	5.82	4.42	4.46	4.51
6	8.75	4.69	5.96	7.73	7.84	15.48	16.91	8.37	5.99	4.61	4.55	4.38
7	7.41	4.80	5.63	6.63	6.65	14.44	16.24	7.89	6.14	4.69	4.76	14.63
8	6.78	4.98	5.71	6.15	6.33	13.10	16.08	12.63	6.00	4.66	6.29	16.31
9	6.25	5.14	5.73	6.09	6.15	11.57	15.41	10.35	5.93	4.62	5.66	15.33
10	9.09	5.22	5.70	5.92	6.00	10.10	14.78	8.57	6.24	4.72	4.68	13.68
11	10.05	5.29	5.70	5.67	5.67	8.93	14.04	7.70	6.63	4.76	4.46	11.85
12	9.29	5.26	5.66	5.67	5.55	8.22	13.86	7.16	6.93	4.82	4.43	12.37
13	9.09	5.24	5.60	5.89	5.48	7.70	12.89	6.90	6.37	4.86	4.49	10.04
14	9.74	5.21	5.58	5.88	5.68	7.34	20.01	6.67	8.10	4.85	4.69	8.30
15	9.02	5.05	5.65	5.94	5.83	15.85	20.52	6.45	6.87	4.84	10.35	7.31
16	7.93	4.90	5.67	5.79	6.43	15.49	19.85	6.26	6.07	5.12	10.49	6.54
17	7.13	4.70	5.74	5.73	6.35	14.40	19.08	6.12	5.78	5.03	7.29	5.71
18	6.59	4.55	5.78	5.70	6.47	13.29	18.40	7.97	5.72	4.84	5.66	5.47
19	16.10	4.37	5.74	5.69	16.56	11.93	17.82	6.67	5.72	4.26	5.10	5.58
20	16.05	4.24	5.67	5.62	16.15	10.35	18.98	6.23	5.75	4.23	4.78	5.49
21	15.49	4.98	5.77	5.53	15.57	9.12	18.43	6.06	5.73	4.33	4.57	4.96
22	14.21	5.33	7.85	5.51	15.45	8.33	17.40	5.98	5.77	4.49	4.47	4.79
23	12.89	5.77	11.68	5.55	14.56	8.32	16.65	6.06	5.74	4.58	8.22	4.66
24	11.34	5.73	10.10	5.65	13.64	7.60	16.25	6.12	5.67	4.64	6.72	4.32
25	9.74	5.77	8.28	5.72	12.46	7.10	15.44	6.06	5.54	4.66	5.36	4.03
26	8.40	5.83	7.16	5.76	11.31	6.76	14.63	5.97	5.63	4.68	4.78	3.84
27	7.35	5.87	6.64	5.72	10.26	7.04	13.78	5.94	5.63	4.70	4.77	3.73
28	6.76	5.97	6.48	5.75	9.42	16.52	12.77	5.87	5.65	4.66	5.05	3.99
29	6.60	-----	6.56	5.81	8.80	17.89	11.94	6.65	5.67	4.68	5.66	7.15
30	6.38	-----	11.03	5.82	8.36	18.18	11.43	7.70	5.66	4.66	4.86	15.86
31	6.09	-----	9.50	-----	8.10	-----	10.79	6.67	-----	4.66	-----	15.39

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	10.07	5.21	6.72	6.14	8.78	10.85	16.12	7.54	6.02	4.73	5.50	7.71
MAX	16.10	5.97	11.68	8.20	16.56	18.18	20.52	12.63	8.10	5.59	10.49	16.31
MIN	6.09	4.24	5.58	5.51	5.48	6.76	10.79	5.87	5.54	4.23	4.43	3.73
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 7.98.

HIGHEST STAGE WAS 20.62 AT 8:30 P.M. ON JUL 14.

LOWEST STAGE WAS 3.73 ON DEC 27.

DAILY STAGE FOR 1989

BAYOU VERMILION AT LONG BRIDGE, LA.

LOCATION. LAT. 30-14-25, LONG. 91-57-49. ON HIGHWAY 94 BRIDGE, EAST OF LAFAYETTE, LA.
(STA. 6722512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1933. DAILY, OCT. 1937 TO DATE.

EXTREMES. HIGHEST, 20.4 FEET ON AUG. 15, 1940. LOWEST, MINUS 1.04 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.48	3.89	3.55	5.54	3.97	6.08	12.40	9.84	4.49	4.07	3.17	2.40
2	8.58	3.60	3.90	5.43	3.67	6.20	12.38	9.55	4.32	4.17	3.58	2.77
3	8.43	3.65	4.35	5.17	3.83	6.77	12.19	9.13	4.15	3.68	2.84	2.37
4	8.07	2.80	4.65	5.08	4.17	6.54	12.33	8.71	4.13	3.41	3.19	1.94
5	7.42	2.76	4.65	5.14	5.61	6.15	12.30	8.25	4.37	3.39	3.45	2.68
6	6.54	2.66	3.75	5.09	5.43	9.22	12.18	7.72	4.70	3.76	3.42	2.50
7	5.66	2.11	2.93	4.70	4.70	9.03	12.06	7.21	4.77	3.60	3.36	8.22
8	5.09	1.94	2.92	4.22	4.36	8.97	11.97	8.50	4.65	3.26	4.29	9.95
9	4.30	2.17	3.13	4.38	4.38	8.57	11.74	8.18	4.50	2.93	3.86	9.72
10	5.30	2.36	3.43	4.10	4.22	7.96	11.46	7.33	4.57	3.32	3.28	9.47
11	5.91	3.00	3.63	3.65	3.68	7.32	11.17	6.67	4.61	3.30	3.25	9.02
12	5.77	2.84	3.65	3.95	3.87	6.70	10.92	6.18	4.71	3.58	3.33	8.92
13	5.42	3.44	3.60	4.21	3.98	6.30	10.59	5.83	4.64	3.64	3.61	8.27
14	5.74	3.45	3.78	4.12	4.30	5.98	14.44	5.52	5.02	3.68	3.79	7.31
15	5.56	3.31	4.07	4.33	4.26	9.64	14.13	5.25	4.92	3.77	7.52	6.43
16	4.90	3.16	3.95	3.93	4.14	9.49	14.05	4.99	4.41	4.30	7.20	5.53
17	4.27	2.55	4.05	4.05	4.52	9.38	13.94	4.80	4.18	4.07	5.62	4.68
18	4.05	2.17	4.06	3.94	4.84	9.17	13.75	5.69	4.20	3.42	4.73	4.31
19	9.72	2.11	3.87	3.87	9.97	8.82	13.49	5.10	4.24	2.23	4.14	4.17
20	9.49	2.99	3.88	3.67	9.60	8.29	13.63	4.76	4.34	1.75	3.72	3.64
21	9.55	3.54	4.03	3.52	9.57	7.65	13.54	4.62	4.27	2.47	3.35	3.25
22	9.39	2.49	4.70	3.66	9.69	7.12	13.32	4.58	4.21	3.07	3.25	2.42
23	9.06	1.83	6.87	3.76	9.59	6.74	13.04	4.74	4.02	3.17	5.74	1.39
24	8.57	1.82	6.38	3.93	9.35	6.42	12.84	4.63	3.88	3.19	4.56	1.04
25	7.85	3.14	5.73	4.04	9.03	6.04	12.54	4.55	3.97	3.15	3.92	1.15
26	6.97	3.32	5.19	4.07	8.64	5.69	12.22	4.50	3.91	3.14	3.35	2.10
27	6.10	3.48	4.84	3.99	8.15	5.83	11.89	4.35	3.95	3.20	3.25	2.07
28	5.33	3.87	4.70	4.10	7.60	12.24	11.48	4.23	4.08	3.33	3.80	2.20
29	4.96	-----	5.00	4.17	7.07	12.07	11.02	4.98	4.09	3.36	3.12	4.25
30	4.44	-----	6.63	3.96	6.59	12.35	10.60	4.94	4.02	3.52	2.27	9.67
31	3.99	-----	6.16	-----	6.27	-----	10.15	4.74	-----	3.37	-----	9.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.61	2.87	4.39	4.26	6.10	7.96	12.38	6.13	4.34	3.36	3.93	4.95
MAX	9.72	3.89	6.87	5.54	9.97	12.35	14.44	9.84	5.02	4.30	7.52	9.95
MIN	3.99	1.82	2.92	3.52	3.67	5.69	10.15	4.23	3.88	1.75	2.27	1.04
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
THE MEAN STAGE FOR THE YEAR WAS 5.63.
HIGHEST STAGE WAS 14.44 AT 8:00 A.M. ON JUL 14.
LOWEST STAGE WAS 0.67 ON DEC 24.

DAILY STAGE FOR 1969

RUTH CANAL AT RUTH, LA. (WEST)

LOCATION. LAT. 30-14-34, LONG. 91-53-05. ABOUT 250 FEET DOWNSTREAM FROM CONTROL STRUCTURE, 0.45 MILE BELOW JUNCTION WITH BAYOU TECHE. (STA. 6730012C.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. ZERO OF GAGE IN 1946 WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1945. DAILY, JAN. 1938 TO DEC. 1944 AND JAN. 1946 TO DATE.

EXTREMES. HIGHEST, 18.5 FEET FROM AUG. 14 TO 16, 1940. LOWEST, 0.00 FOOT ON DEC. 4, 1967.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1964 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.24	5.56	3.52	5.51	4.98	5.73	10.98	9.20	4.98	4.73	3.49	2.30
2	6.14	5.52	3.61	5.48	4.99	5.86	10.97	8.98	4.97	4.76	3.67	2.41
3	5.94	5.43	3.63	5.41	5.11	6.22	10.65	8.65	4.84	3.17	3.38	2.29
4	5.64	5.38	3.68	5.36	5.14	6.19	10.83	8.06	4.65	3.56	3.43	2.07
5	5.42	2.16	3.44	5.43	5.18	7.47	11.00	7.80	4.75	3.69	3.68	2.43
6	5.39	1.97	3.98	5.41	5.22	7.68	10.74	7.19	5.03	3.82	3.64	3.81
7	5.14	1.49	3.82	5.39	4.67	7.89	10.87	7.14	5.10	3.70	4.00	7.53
8	5.12	1.61	3.75	5.37	4.63	8.14	10.06	7.42	5.12	3.54	4.08	8.30
9	5.54	1.52	3.22	5.36	4.59	8.11	10.22	7.23	5.00	3.47	3.77	8.19
10	5.91	1.73	3.18	5.33	4.57	7.93	10.37	6.68	4.98	3.35	3.51	8.15
11	5.82	2.20	3.15	5.38	4.58	6.93	10.10	6.30	5.06	3.60	3.48	7.93
12	5.52	1.62	2.98	5.41	4.59	6.14	9.90	5.98	5.09	3.70	3.50	7.80
13	5.32	1.58	2.94	5.43	4.61	6.18	9.20	5.77	5.10	3.72	3.61	7.30
14	4.68	1.56	2.87	5.48	4.58	7.75	11.21	5.62	5.23	3.73	6.33	6.27
15	4.21	1.52	2.83	5.43	4.54	7.81	12.10	5.48	5.20	3.88	6.27	5.63
16	4.59	1.43	2.81	4.98	4.48	7.89	12.36	5.32	4.88	4.03	6.14	4.72
17	4.63	1.31	2.78	4.95	4.45	8.25	12.18	5.00	4.64	3.95	5.04	3.97
18	5.62	1.21	2.76	4.92	7.23	7.81	12.13	5.60	4.67	3.63	4.88	3.60
19	6.93	1.63	4.13	4.89	7.28	7.75	12.00	5.22	4.73	3.18	3.91	3.47
20	7.98	1.59	4.28	4.88	7.33	7.35	12.20	5.00	4.81	3.12	3.72	2.88
21	8.11	1.54	4.20	4.87	4.83	6.88	12.02	5.04	4.84	3.28	3.55	2.54
22	7.34	1.51	6.14	4.84	4.75	6.91	12.00	5.00	4.80	3.52	3.12	2.00
23	6.98	1.49	5.95	3.56	4.71	6.96	11.64	5.03	4.74	3.50	4.86	1.32
24	6.84	1.44	5.58	3.58	4.68	7.14	11.50	5.04	4.62	3.49	3.85	0.94
25	6.78	1.41	5.52	3.61	4.64	6.36	11.30	5.00	4.75	3.51	3.27	0.82
26	6.43	3.45	5.54	3.63	4.58	6.41	11.14	4.98	4.73	3.53	2.77	1.40
27	5.82	3.45	5.51	3.61	4.53	7.41	10.75	4.97	4.73	3.52	2.77	1.62
28	5.31	3.49	5.49	3.65	5.75	9.72	10.39	4.88	4.75	3.53	3.23	1.73
29	5.71	-----	5.61	3.69	5.73	9.97	10.09	5.21	4.76	3.57	2.59	5.30
30	5.63	-----	5.58	4.94	5.68	10.53	9.80	5.18	4.75	3.63	2.23	8.03
31	5.59	-----	5.54	-----	5.65	-----	9.34	5.00	-----	3.57	-----	8.17

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.91	2.35	4.13	4.86	5.11	7.45	10.97	6.10	4.88	3.64	3.86	4.35
MAX	8.11	5.56	6.14	5.51	7.33	10.53	12.36	9.20	5.23	4.76	6.33	8.30
MIN	4.21	1.21	2.76	3.56	4.45	5.73	9.20	4.88	4.62	3.12	2.23	0.82
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 5.32.
 HIGHEST STAGE WAS 12.36 AT 8:00 A.M. ON JUL 16.
 LOWEST STAGE WAS 0.82 ON DEC 25.

DAILY STAGE FOR 1989

VERMILION RIVER AT LAFAYETTE, LA.

LOCATION. LAT. 30-13-00, LONG. 91-59-35. ON SURREY AVENUE BRIDGE. (STA. 6737512C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY SINCE DEC. 1967. ZERO OF GAGE PRIOR TO 1968 WAS AT M.L.G. FROM 1969 TO 1981 GAGE ZERO WAS MINUS 1.53 FEET M.L.G. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 2.07 FEET M.L.G.

RECORDS AVAILABLE. FEB. 10, 1961 TO DATE. FOR RECORDS 1941 TO 1960, REFER TO GAGE PIN HOOK BRIDGE (V-A), 2.2 MILES DOWNSTREAM.

EXTREMES. HIGHEST, 15.02 FEET ON MAY 17, 1980. ESTIMATED LOWEST, 0.6 FOOT ON NOV. 3, 1966.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 2.07 FEET, M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.41	4.90	4.45	6.03	4.72	7.06		10.54	5.43	4.17	4.32	3.82
2	8.40	4.59	5.03	6.19	4.56			10.20	5.23	4.43	4.23	3.80
3	8.43	4.54	5.22	5.95	4.97	7.58	12.04	9.76	5.04	4.11	4.31	4.13
4	8.30	3.54	5.55	5.91	5.67	7.24	12.21	9.36	5.11	3.76	4.34	3.98
5	8.01	3.72	5.40	5.75	6.29	7.93	12.19	8.90	5.46	4.22	4.40	3.93
6	7.47	3.66	4.24	5.59	5.91	8.75	12.06	8.39	5.81	4.26	3.77	4.78
7	6.74	3.03	3.68	5.36	5.39	8.61	12.08	8.06	5.81	3.94	4.33	6.34
8	6.19	3.12	3.76	5.11		8.78	11.89	8.57	5.67	3.99	4.78	5.82
9	5.61	3.10	3.94	5.14	5.30	8.60	11.66	8.37	5.63	4.53	5.08	5.13
10		3.45	4.25	4.72	4.87	8.27	11.46	7.93	5.58	4.52	4.07	4.54
11	6.36	4.12	4.46	4.31	4.46	7.87	11.26	7.41	5.62	4.34	2.76	4.18
12	6.25	3.95	4.49	4.82	4.70	7.41	11.02	6.99	5.62	3.82	3.38	4.06
13	6.11	4.60	4.48	5.01	4.94	7.03	10.78	6.67	5.69	3.49	3.81	4.27
14	6.23		4.75	5.06	5.23	8.08	13.65	6.39	5.87	4.09	4.01	4.98
15	6.02	4.35	4.96	5.11	5.01	9.47	13.88	6.11	5.62		4.61	4.52
16	5.50	4.08	4.81	4.78	5.01	9.04	13.55	5.89	5.21		5.95	2.81
17	5.00	3.43	4.97	4.97	5.48	9.00	13.30	5.89	5.10		6.07	3.07
18	6.19	3.16	4.92	4.88	7.76	8.98	13.12	6.24	5.19		5.16	3.86
19	9.87	3.33	4.59	4.79	10.38	8.84	12.96	5.90	5.34		4.72	4.23
20	9.19	4.40	4.83	4.46	9.59	8.53	13.29	5.62	5.32	4.30	3.91	4.40
21	9.17	4.47	4.81	4.42	9.48	8.12	13.12	5.53	5.27	3.86	3.77	5.57
22	9.13	3.21	5.44	4.68	9.51	7.70	12.90	5.55	5.15	3.98	4.55	7.26
23	9.03	2.38	6.55	4.86	9.47	7.46	12.90	5.72	4.97	4.61	4.89	6.87
24	8.81	2.85	6.44	4.99	9.34	7.19	12.83	5.64	4.58	4.75	4.80	6.49
25	8.34	4.00	6.20	5.08	9.19	6.87	12.51	5.55	4.72	4.63	5.02	5.95
26	7.69	4.19	5.88	5.00	8.97	6.81	12.29	5.52	4.82	4.94	4.58	5.32
27	6.92	4.52	5.69	4.97	8.57	7.80	12.10	5.37	4.87	5.04	4.42	4.76
28	6.28	4.67	5.70	5.03	8.08	12.72	11.73	5.48	5.00	4.36	4.24	3.71
29	5.90	-----	6.25	4.99	7.62	12.60	11.37	5.95	4.98	4.34	3.94	2.66
30	5.36	-----	6.73	4.83	7.29	12.65	11.01	5.70	4.78	4.48	4.00	3.30
31	4.95	-----	6.46	-----	7.05	-----	10.66	5.64	-----	4.38	-----	4.62

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.20	3.83	5.13	5.09	6.83	8.52	12.27	6.93	5.28	4.28	4.41	4.62
MAX	9.87	4.90	6.73	6.19	10.38	12.72	13.88	10.54	5.87	5.04	6.07	7.26
MIN	4.95	2.38	3.68	4.31	4.46	6.81	10.66	5.37	4.58	3.49	2.76	2.66
DAYS	30	27	31	30	30	29	29	31	30	26	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 354
 THE MEAN STAGE FOR THE YEAR WAS 6.21.
 HIGHEST STAGE WAS 13.88 AT 8:00 A.M. ON JUL 15.
 LOWEST STAGE WAS 2.38 ON FEB 23.

DAILY STAGE FOR 1989

VERMILION RIVER AT BROUSSARD BRIDGE (LA.)

LOCATION. LAT. 30-08-30, LONG. 92-04-34. ON DOWNSTREAM SIDE OF HIGHWAY 733 BRIDGE, SOUTHWEST OF LAFAYETTE, LA. (STA. 6745012C.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 17, 1948 TO DATE.

EXTREMES. HIGHEST, 16.33 FEET ON MAY 17, 1980. LOWEST, MINUS 1.70 FEET ON DEC. 6, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.10	3.06	2.17	2.87	2.52	3.90	8.80	7.34	2.92	2.96	2.70	2.37
2	4.33	2.75	2.98	4.24	2.42	3.98	7.90	6.65	2.88	3.13	2.95	2.47
3	4.40	2.98	3.07	3.84	3.17	4.97	7.32	5.64	2.79		2.27	1.65
4	4.16	1.42	3.69	4.00	3.80	4.20	8.00	5.23	2.93		3.04	1.72
5	4.50	2.60	3.43	2.99	4.08	3.72	8.27	4.85	3.51		3.49	2.55
6	4.55	2.21	1.17	2.30	3.02	5.82	7.15	4.42	4.04		3.38	2.50
7		1.22	1.47	2.56	2.47	4.64	7.76	4.09	3.93		3.17	6.45
8	F 3.25	1.50	1.74	2.10	2.33	5.17	7.26	4.80	3.93		3.55	8.10
9	2.84	1.16	1.53	2.61	2.83	4.64	6.82	4.38	3.86		2.67	5.53
10	3.55	1.49	1.75	2.14	2.43	4.47	6.74	4.43	3.54		2.72	4.93
11	3.89	2.25	2.03	1.36	1.79	4.48	6.74	4.10	3.60		3.00	5.18
12	3.61	1.90	2.10	2.55	2.45	4.24	6.42	4.06	3.19		3.14	5.09
13	3.59	2.87	2.03	2.70	2.90	4.17	6.30	3.92	3.32		3.44	4.23
14	3.54	2.80	2.55	2.75	3.45	4.23	13.93	3.78	3.30		3.54	4.20
15	3.20	2.84	2.93	3.18	3.04	7.65	12.14	3.53	2.79		5.92	4.14
16	2.90	2.70	2.77	2.65	2.92	5.17	9.88	3.40	2.56		4.44	2.88
17	2.61	1.90	3.10	3.12	3.90	4.67	8.40	3.46	2.81 F	3.69	2.96	2.87
18	3.00	1.78	3.13	2.97	4.33	4.85	7.92	3.36	3.12	2.45	3.80	2.90
19	8.77	2.13	2.60	2.70	8.86	4.70	7.74	3.18	3.64	0.63	3.48	3.03
20	6.49	3.25	3.15	1.96	6.33	4.44	10.30	3.23	3.57	1.29	3.07	1.86
21	5.40	3.10	2.78	1.87	5.18	4.19	9.13	3.44	3.73	2.49	2.82	2.35
22	5.05	1.27	2.40	2.16	5.03	4.06	8.22	3.75	3.42	2.95	3.04	0.70
23	5.00		2.93	2.29	5.04	4.07	7.95	3.92	3.07	3.12	4.02	
24	5.06 F	0.80	3.03	2.45	4.87	4.16	9.23	3.74	1.69	3.04	2.67	
25	4.62	1.68	3.10	2.62	4.92	4.09	8.07	3.46	2.23	2.85	3.34	0.75
26	4.30	1.80	3.18	2.55	5.04	4.20	7.60	3.60	2.47	2.82	2.92	1.76
27	3.75	2.13	3.19	2.54	4.63	4.85	8.04	3.37	2.79	2.67	2.82	2.03
28	3.34	2.52	3.25	2.70	4.10	13.45	7.14	4.50	2.88	2.94	3.19	2.20
29	3.49	-----	3.62	2.76	3.83	11.20	6.69	3.67	3.03	2.96	1.63	5.10
30	2.90	-----	3.85	2.62	4.07	10.45	6.44	2.99	2.42	3.00	1.43	7.68
31	2.66	-----	3.32	-----	3.98	-----	6.26	3.02	-----	2.56	-----	7.34

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.13	2.15	2.71	2.67	3.86	5.29	8.08	4.11	3.13	2.68	3.15	3.61
MAX	8.77	3.25	3.85	4.24	8.86	13.45	13.93	7.34	4.04	3.69	5.92	8.10
MIN	2.61	0.80	1.17	1.36	1.79	3.72	6.26	2.99	1.69	0.63	1.43	0.70
DAYS	30	27	31	30	31	30	31	31	30	17	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 347

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.87.

HIGHEST STAGE WAS 13.93 AT 8:00 A.M. ON JUL 14.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.53 ON DEC 22.

DAILY STAGE FOR 1989

VERMILION RIVER AT PERRY, LA.

LOCATION. LAT. 29-57-05, LONG. 92-09-28. ON STATE HIGHWAY 82 BRIDGE. (STA. 6783013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY. PRIOR TO NOV. 30, 1976 GAGE WAS MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. GAGE ZERO PRIOR TO 1976 WAS M.L.G., FROM 1976 THROUGH 1978 N.G.V.D. AND FROM 1979 THROUGH 1981 MINUS 2.95 FEET N.G.V.D. GAGE ZERO OF PUBLISHED REPORTS FOR 1982 THROUGH 1988 SHOULD BE CORRECTED TO MINUS 3.34 FEET N.G.V.D.

RECORDS AVAILABLE. NOV. 1971 TO DATE. FOR RECORDS FROM JUNE 1931 TO MAY 1971, REFER TO STATION NEAR ABBEVILLE, LA.

EXTREMES. (FROM 1971 TO DATE) HIGHEST, 12.05 ON MAY 17, 1980. LOWEST, MINUS 1.64 FEET ON JAN. 27, 1976.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 3.34 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.60	4.59	4.25	4.47	3.93		8.27	7.25	4.67	4.70	4.27	3.65
2	4.55	4.47	4.60	5.61	4.15		7.03	6.38	4.47	4.62	4.17	3.67
3	4.42	4.12	4.85	5.11	4.79		6.24	5.45	4.35	4.35	3.74	2.83
4	4.44	2.96	5.36	5.19	5.66		6.59	5.14	4.77	4.35	4.40	3.48
5	5.06	3.95	4.11	3.79	5.23		6.50	4.76	5.19	4.83	4.76	3.72
6	5.06	3.61	1.90	4.16	4.47	6.71	6.08	4.41	5.47	4.97	4.64	5.13
7	4.99	2.79	2.76	4.07	4.18	5.74	6.14	4.30	5.35	4.63	4.57	6.62
8	4.67	3.29	3.25	4.48	4.44	5.37	5.70	4.43	5.14	4.08	4.75	6.28
9	3.89	3.09	3.27	4.41	4.82	6.24	5.59	4.57	5.12	4.53	4.10	3.83
10	4.74	3.81	3.73	3.50	3.81	6.02	6.00	4.76	4.84	4.79	4.25	4.41
11	4.92	4.25	3.90	3.35	3.91	5.66	5.90	4.64	4.88	4.82	4.39	4.80
12	4.79	4.17	3.91	4.52	4.42	5.74	5.45	4.82	4.95	5.10	4.53	3.67
13	4.13	4.85	4.01	4.50	4.98	5.79	5.21	4.84	5.23	4.95	4.92	3.25
14	4.63	4.54	4.54	4.66	5.20	4.59	7.99	4.81	4.93	4.88	5.11	4.27
15	4.02	4.54	4.59	4.42	4.74	4.23	9.19	4.70	4.20	5.56	5.69	4.37
16	3.81	4.05	4.42	4.38	4.94	5.22	7.79	4.70	4.05	5.64	3.44	2.78
17	4.09	3.46	4.70	4.65	5.70	4.87	6.31	4.75	4.42	5.08	3.90	3.87
18	4.94	3.35	4.57	4.55	6.71	5.18	5.92	4.60	4.66	3.47	4.69	4.05
19	6.95	3.77	4.16	4.25	7.83	4.84	5.82	4.49	4.98	1.95	4.49	3.78
20	5.66	5.07	4.90	3.69		4.66	7.69	4.54	4.86	2.95	4.23	3.24
21	4.36	4.17	4.06	3.97		4.80	7.43	4.79	4.92	4.04	4.11	3.38
22	4.87	2.05	3.45	4.32		5.12	6.40	5.14	4.47	4.36	4.57	
23	4.88	1.20	3.65	4.59		5.50	7.51	5.32	4.31	4.48	3.64	
24	5.10	3.00	4.35	4.70		5.53	7.77	4.97	3.39	4.44	4.07	
25	4.79	3.66	4.79	4.77		5.50	6.53	4.80	4.08	4.35	4.68	2.81
26	4.61	3.83	4.95	4.52		5.84	6.41	4.90	4.27	4.41	4.44	3.12
27	4.29	4.44	5.16	4.59		6.91	6.35	4.69	4.45	4.30	4.44	3.37
28	4.76	4.12	5.47	4.67		9.97	5.74	4.79	4.56	4.60	4.08	3.58
29	4.67	-----	5.41	4.40		10.17	5.64	5.01	4.46	4.64	2.61	5.67
30	4.31	-----	4.80	4.35		9.44	5.62	4.74	4.00	4.68	2.02	6.15
31	4.24	-----	3.83	-----	-----	-----	5.88	4.76	-----	4.11	-----	6.81

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.69	3.76	4.25	4.42	4.94	5.99	6.54	4.91	4.65	4.47	4.28	4.16
MAX	6.95	5.07	5.47	5.61	7.83	10.17	9.19	7.25	5.47	5.64	5.69	6.81
MIN	3.81	1.20	1.90	3.35	3.81	4.23	5.21	4.30	3.39	1.95	2.61	2.78
DAYS	31	28	31	30	19	25	31	31	30	31	30	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

THE MEAN STAGE FOR THE YEAR WAS 4.74.

HIGHEST STAGE WAS 10.83 AT 6:00 P.M. ON JUN 28.

LOWEST STAGE WAS 1.20 ON FEB 23.

DAILY STAGE FOR 1989

VERMILION RIVER NEAR BANCKER, LA.

LOCATION. LAT. 29-50-21, LONG. 92-07-36. ON RIGHT BANK, THREE MILES SOUTH OF BANCKER, LA.
(STA. 6787513.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 6, 1963 TO DATE.

EXTREMES. HIGHEST, 6.72 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. ESTIMATED LOWEST, MINUS
2.20 FEET ON NOV. 2, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.44	1.77	1.00	1.39	1.30 F	3.35	3.95	5.18	2.84			1.70
2	1.50	1.72	1.45	3.00	1.70	3.25	3.59	3.73	2.53 F	2.48		1.56
3	1.60	1.89	2.00	2.56	2.85	3.20	2.81	3.04	2.30			0.57
4	1.27	0.53	2.45	3.10	3.49	3.10	2.62	2.72	2.91			1.72
5	2.43	1.85	1.88	1.43	3.41	2.95	2.23	2.24	3.13			1.65
6	2.75	1.73 F	-0.66	1.68	2.25	2.24	2.02	1.85	3.54			1.61
7	2.50	0.83	1.00	1.90	1.90	2.16	3.12	1.69	3.50			2.10
8	2.90	1.65	1.40	2.03	1.97	3.25	2.35	2.15	3.24			1.44
9	1.88	0.60	1.08	1.66	2.89	1.49	2.70	2.27	3.27			-0.22
10	2.85	1.00	1.34	0.80	1.10	2.20	3.43	2.79	3.09			1.29
11	2.95	1.39	1.38	-0.10	1.17	3.15	3.15	2.71	3.26			1.74
12	2.62	0.95	1.25	1.40	1.54	3.15	2.93	3.13	3.22 F	2.82		0.45
13	1.57	1.83	1.10	1.52	2.11	3.33	2.94	3.09	3.23	2.76		0.47
14	2.14	1.45	1.40	1.79	2.80	3.59	3.50	3.09	3.07	2.52		1.85
15	1.22	1.74	1.48	1.80	2.38	2.85	3.37	2.87	1.95	3.45		2.10
16	1.15	1.45	1.16	1.78		1.65	3.16	2.75	1.79	3.45	F	0.07
17	1.35	0.90	1.74	2.45		2.69	2.67	2.76	2.37	2.97 F	2.20	1.90
18	1.80	1.05	1.75	2.58 F	2.80	3.00	2.60	2.50	2.81	1.35		1.73
19	2.76	1.55	1.29	2.42 F	3.67	2.49	2.67	2.40	3.31			1.34
20	2.34	2.95	2.31	1.24		1.63	2.73	2.47	3.12			0.44
21	1.10	1.79	1.80	1.85		2.05	2.50	2.83	3.21			1.14
22	2.44	-0.01	1.27	2.32		2.10	2.65	3.22	2.61		F	0.00
23	2.40	-2.00	1.39	2.63 F	2.64	2.80	3.07	3.44	2.73			
24	2.80	0.55	2.30	2.50 F	1.82	2.77	2.96	3.17		F	2.80	
25	2.55	1.07	2.72	2.39		2.75	2.93	3.07			2.45	
26	2.17	1.10	2.87	1.83		3.04	3.27	3.21			1.91	
27	1.78	1.60	2.87	1.85		4.50	3.17	3.07			1.83	
28	2.25	1.13	3.26	1.68		5.00	3.14	2.85			1.90	
29	2.00	-----	2.73	1.43		4.84	3.30	2.83			0.35	2.09
30	1.40	-----	2.00	1.50		4.49	3.14	2.82			0.74	2.40
31	1.17	-----	0.85	-----		-----	3.18	2.94	-----		-----	2.72

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.03	1.22	1.67	1.88	2.30	2.97	2.96	2.87	2.91	2.72	1.77	1.35
MAX	2.95	2.95	3.26	3.10	3.67	5.00	3.95	5.18	3.54	3.45	2.80	2.72
MIN	1.10	-2.00	-0.66	-0.10	1.10	1.49	2.04	1.69	1.79	1.35	0.35	-0.22
DAYS	31	28	31	30	19	30	31	31	23	8	8	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 295

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.22.

HIGHEST STAGE WAS 5.41 AT 11:30 A.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 2.00 ON FEB 23.

DAILY STAGE FOR 1989

BAYOU NEZPIQUE NEAR BASILE, LA.

LOCATION. LAT. 30-28-50, LONG. 92-37-55. ON U. S. HIGHWAY 190 BRIDGE, TWO MILES WEST OF BASILE, LA.
(STA. 7007516.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 527
SQUARE MILES.

RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY
U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 34.39 FEET ON MAY 20, 1953. LOWEST, 0.98 FOOT ON OCT. 18, 1987.

MEAN DAILY STAGE IN FEET

GAGE ZERO, 3.39 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.52	5.20	3.08	19.95	16.89	7.77	26.32	7.42	3.07	1.57	1.41	3.13
2	18.08	4.87	6.04	19.48	16.80	6.39	26.32	9.92	3.01	1.56	1.44	2.57
3	18.21	4.88	14.18	18.68	15.40	10.60	26.12	9.16	2.68	1.54	1.48	2.38
4	17.54	4.91	15.93	17.74	12.88	11.79	26.73	6.67	2.38	1.55	1.56	2.20
5	16.38	4.86	15.02	16.70	12.02	13.23	26.93	4.89	2.19	1.54	1.63	2.03
6	14.13	5.65	12.80	14.62	14.94	15.60	26.43	3.95	2.03	1.54	1.64	1.89
7	10.68	8.43	9.98	10.94	16.17	15.76	25.40	3.65	2.01	1.50	1.63	2.81
8	7.90	7.95	7.57	7.80	15.60	14.64	24.25	3.90	2.15	1.45	1.62	12.39
9	8.50	6.34	5.99	6.04	13.74	14.93	23.21	3.58	2.18	1.40	1.99	14.57
10	16.20	5.27	4.98	5.66	10.15	15.03	22.31	3.27	2.12	1.37	2.05	13.37
11	18.86	4.60	4.30	5.30	6.74	14.22	21.54	3.20	2.39	1.36	1.80	10.48
12	19.51	4.10	3.83	4.99	4.83	13.69	20.88	3.38	2.75	1.35	1.63	7.27
13	19.54	3.76	3.51	4.66	4.06	12.94	20.16	3.15	2.77	1.35	1.53	5.15
14	19.46	3.61	3.24	4.62	4.53	13.76	20.51	2.89	2.62	1.35	1.54	4.03
15	19.28	3.60	3.27	5.19	5.70	17.41	20.98	2.83	2.77	1.39	2.29	3.39
16	18.75	3.60	3.03	6.54	4.80	19.24	20.62	2.58	2.55	1.66	4.65	2.97
17	17.93	3.52	2.89	6.40	4.18	19.39	19.70	2.40	2.28	1.95	4.96	2.60
18	17.31	3.48	3.14	5.65	8.72	18.83	18.37	2.24	2.06	1.90	3.78	2.38
19	18.24	3.42	3.25	5.53	18.18	17.98	16.73	2.94	1.92	1.71	2.79	2.27
20	19.59	3.23	2.84	5.49	21.08	16.93	14.32	2.74	1.80	1.61	2.26	2.18
21	20.13	3.30	2.66	5.16	22.06	15.64	11.21	2.43	1.69	1.54	2.01	2.22
22	20.01	5.62	6.97	4.86	22.18	13.28	8.82	2.25	1.62	1.55	1.94	2.17
23	19.43	7.18	13.90	4.42	22.13	9.54	7.32	2.26	1.56	1.61	2.99	2.14
24	18.55	6.83	15.71	4.32	21.91	6.60	6.40	2.18	1.52	1.58	5.10	2.12
25	17.50	5.79	15.17	4.14	21.50	4.92	6.05	2.25	1.50	1.51	4.54	2.03
26	16.20	4.69	14.13	4.36	20.98	4.43	6.26	3.20	1.48	1.44	4.06	1.89
27	13.56	3.91	14.17	4.36	20.34	13.18	7.27	3.28	1.49	1.39	7.92	1.88
28	9.93	3.42	15.56	4.79	19.55	21.13	8.71	2.79	1.54	1.44	7.79	1.92
29	7.28	-----	16.76	12.93	18.41	23.80	7.92	2.50	1.59	1.56	5.73	2.70
30	5.82	-----	18.69	16.35	15.81	25.65	6.43	2.50	1.60	1.51	4.14	7.60
31	5.30	-----	19.90	-----	11.57	-----	4.99	2.96	-----	1.46	-----	12.84

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	15.69	4.86	9.11	8.59	14.32	14.28	17.07	3.66	2.11	1.52	3.00	4.50
MAX	20.13	8.43	19.90	19.95	22.18	25.65	26.93	9.92	3.07	1.95	7.92	14.57
MIN	5.30	3.23	2.66	4.14	4.06	4.43	4.99	2.18	1.48	1.35	1.41	1.88
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 8.27.

HIGHEST STAGE WAS 26.98 AT 2:00 A.M. ON JUL 5.

LOWEST STAGE WAS 1.35 ON OCT 12 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU DES CANNES NEAR EUNICE, LA.

LOCATION. LAT. 30-29-00, LONG. 92-29-25. ON U. S. HIGHWAY 190 BRIDGE, FOUR MILES WEST OF EUNICE, LA.
(STA. 7015016.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 131
SQUARE MILES.RECORDS AVAILABLE. STAGE, OCT. 1938 TO DATE. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY
U. S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 22.36 FEET ON MAY 20, 1953. LOWEST, NOT DETERMINED.

MEAN DAILY STAGE IN FEET

GAGE ZERO, 14.84 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.39	2.00	2.27	8.40	5.83	1.62	17.35	4.91	1.72		2.10	1.82
2	7.32	1.95	7.40	4.65	3.78	1.74	15.31	4.71	1.60		2.35	1.72
3	4.39	2.15	8.10	3.88	2.73	2.30	16.10	4.03	1.56		1.96	1.62
4	2.80	2.75	7.05	4.55	2.81	4.05	17.57	3.15	1.56		1.66	1.53
5	2.95	3.95	6.18	5.66	8.36	12.04	17.41	2.69	1.56		1.57	1.48
6	2.96	5.45	4.98	5.28	7.70	15.66	16.03	2.21			1.65	1.45
7	2.61	4.60	4.17	4.58	4.25	11.31	13.48	2.13			2.28	5.16
8	4.10	3.70	3.30	4.41	3.17	9.26	12.85	6.13			2.40	12.59
9	9.25	2.60	2.54	4.96	2.88	6.60	8.83	3.95			2.36	7.18
10	16.20	2.10	2.90	4.50	2.42	4.09	6.41	2.79		1.27	1.94	3.75
11	13.23	1.75	2.20	3.29	1.91	6.94	4.92	2.30		1.26	1.53	2.87
12	11.25	3.00	2.05	3.41	1.68	6.06	5.11	2.10		1.27	1.39	2.43
13	12.84	2.60	1.90	3.78	3.06	3.36	4.53	2.02		1.38	1.33	2.25
14	12.60	1.95	1.70	3.73	4.67	8.19	12.44	1.90		1.54	1.47	1.91
15	8.00	1.70	1.59	6.15	3.35	16.69	17.49	1.85		1.57	2.60	1.78
16	6.22	1.70	1.57	5.63	2.98	15.70	15.91	1.85		1.56	4.14	1.83
17	4.00	1.60	1.57	4.69	4.19	10.89	12.10	1.77		1.54	2.63	1.77
18	7.61	1.60	1.60	4.18	8.90	5.05	7.54	3.03		1.51	2.12	1.80
19	13.85	1.50		3.76	16.88	3.59	5.85	2.34		1.43	1.91	1.81
20	12.25	1.95		2.97	17.29	2.84	6.17	1.94		1.40	1.77	1.83
21	9.72	2.55		2.40	16.11	2.31	6.06	1.80		1.41	1.74	1.87
22	6.00	1.85		2.70	12.09	2.30	5.35	1.84		1.69	2.29	1.77
23	4.25	1.65	10.45	3.15	7.66	3.06	6.30	1.84		2.26	6.97	1.64
24	4.05	1.60	5.86	3.30	4.81	2.93	8.32	1.97		2.25	3.66	1.60
25	3.95	1.70	3.67	3.24	3.42	2.57	6.98	2.85		2.06	2.25	1.63
26	3.05	1.89	3.06	2.66	2.62	2.79	5.85	2.94		2.18	1.90	1.66
27	2.35	1.59	8.09	2.70	2.40	10.41	6.99	2.50		1.83	2.23	1.68
28	2.70	1.59	7.27	3.79	2.20	16.12	5.30	2.01		1.57	1.81	1.69
29	3.05	-----	11.15	7.82	1.98	17.87	4.60	1.81		1.53	1.88	7.11
30	2.40	-----	16.61	5.43	2.04	18.14	4.35	2.03		1.55	1.98	14.16
31	2.10	-----	14.77	-----	1.75	-----	3.95	1.88	-----	1.65	-----	14.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.82	2.32	5.33	4.32	5.35	7.55	9.60	2.62	1.60	1.62	2.26	3.48
MAX	16.20	5.45	16.61	8.40	17.29	18.14	17.57	6.13	1.72	2.26	6.97	14.44
MIN	2.10	1.50	1.57	2.40	1.68	1.62	3.95	1.77	1.56	1.26	1.33	1.45
DAYS	31	28	27	30	31	30	31	31	5	22	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 327
 THE MEAN STAGE FOR THE YEAR WAS 4.71.
 HIGHEST STAGE WAS 18.31 AT 7:00 P.M. ON JUN 29.
 LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BAYOU PLAQUEMINE BRULE AT ESTERWOOD, LA.

LOCATION. LAT. 30-11-52, LONG. 92-27-48. ON INTAKE PIPE SUPPORT AT ESTERWOOD PUMPING PLANT.
(STA. 7030016.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 24, 1947 TO DATE.

EXTREMES. HIGHEST, 20.55 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 2.1 FEET ON JULY 13, 1951 AND (FROM INCOMPLETE RECORD) ON MAY 31, 1978.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.70	3.80	2.70	3.90	3.10	3.80	9.40	4.50	3.50	3.00	2.70	3.00
2	5.90	3.60	2.80	4.00	3.00	3.70	9.50	5.00	3.40	2.90	3.00	3.10
3	4.90	3.80	2.90	4.10	3.10	4.00	9.20	4.60	3.40	3.00	2.80	2.80
4	4.00	3.20	3.00	4.20	3.20	4.00	9.70	4.50	3.30	3.00	3.00	2.90
5	3.80	3.10	2.90	4.00	3.70	3.90	11.30	4.30	3.20	2.90	3.00	3.00
6	3.80	3.10	2.80	3.80	3.50	4.90	11.40	4.20	3.40	2.90	3.10	3.10
7	3.70	2.90	2.80	3.80	3.40	4.70	11.00	4.00	3.40	3.00	3.10	3.70
8	3.50	3.00	2.90	3.80	3.40	4.40	11.40	4.10	3.40	2.90	3.20	5.40
9	3.20	2.80	2.80	3.60	3.60	4.20	9.80	4.50	3.50	2.80	2.90	5.60
10	3.50	3.00	2.90	3.10	3.40	4.00	8.80	3.80	3.40	2.90	3.10	4.70
11	3.70	3.00	2.90	3.00	3.10	4.00	7.70	3.50	3.50	2.90	3.00	3.40
12	3.80	3.10	3.00	3.20	3.10	3.90	6.90	3.40	3.50	2.80	2.90	3.00
13	3.80	3.20	3.00	3.10	3.10	3.80	6.30	3.10	3.40	2.80	3.00	3.30
14	3.90	3.10	3.00	3.20	3.20	3.80	5.90	3.00	3.50	2.80	2.90	3.20
15	3.90	3.20	3.00	3.40	3.30	6.50	7.00	3.20	3.30	2.90	3.90	3.30
16	3.70	3.20	2.80	3.40	3.40	6.70	7.40	3.30	3.20	3.00	3.40	2.90
17	3.70	2.90	3.00	3.40	3.50	6.50	7.40	3.30	3.40	2.90	3.10	3.00
18	3.60	2.90	3.00	3.40	3.70	5.20	7.00	3.30	3.20	2.80	3.10	3.00
19	6.80	3.00	2.80	3.30	7.10	4.50	6.10	3.40	3.30	2.70	3.20	2.90
20	7.20	3.00	3.00	3.10	7.70	4.20	6.20	3.40	3.20	2.80	3.30	2.80
21	7.10	3.10	3.00	3.20	7.60	4.00	6.50	3.30	3.20	2.70	3.30	2.80
22	6.60	2.80	3.00	3.20	7.30	3.90	6.40	3.20	3.20	2.90	3.20	2.50
23	5.00	2.70	3.90	3.20	6.50	4.00	5.80	3.50	3.30	3.00	3.50	2.30
24	4.60	2.60	3.50	3.30	5.20	3.90	5.40	3.30	3.00	3.00	3.30	2.70
25	4.40	2.80	3.20	3.30	4.90	3.90	5.10	3.40	3.00	2.80	3.50	2.80
26	4.30	2.80	3.30	3.20	4.70	4.00	5.00	3.40	2.90	2.80	3.40	2.80
27	4.00	2.90	3.40	3.20	4.50	5.80	5.60	3.40	2.90	2.80	3.50	2.90
28	3.90	2.60	3.60	3.20	4.30	5.90	5.00	3.30	3.00	2.80	3.50	2.80
29	3.90	-----	3.80	3.10	4.00	8.30	4.70	3.80	2.90	2.80	3.00	4.50
30	3.80	-----	5.00	3.20	3.90	9.10	4.50	3.60	3.00	2.80	3.00	6.50
31	3.70	-----	4.70	-----	3.80	-----	4.50	3.50	-----	2.80	-----	6.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	4.43	3.04	3.17	3.43	4.24	4.78	7.30	3.68	3.30	2.87	3.16	3.47
MAX	7.20	3.80	5.00	4.20	7.70	9.10	11.40	5.00	3.50	3.00	3.90	6.80
MIN	3.20	2.60	2.70	3.00	3.00	3.70	4.50	3.00	2.90	2.70	2.70	2.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 3.91.

HIGHEST STAGE WAS 11.40 ON JUL 6.

LOWEST STAGE WAS 2.30 ON DEC 23.

DAILY STAGE FOR 1989

MERMENAU RIVER AT MERMENAU, LA.

LOCATION. LAT. 30-11-21, LONG. 92-35-26. ON U. S. HIGHWAY 90 BRIDGE. (STA. 7037516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. STAGES FROM JAN. 1 THRU FEB. 17, 1974 WERE OBTAINED FROM THE NATIONAL WEATHER SERVICE, FEB. 17, 1974 THRU DEC. 31, 1984 FROM THE U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE WAS AT M.L.G. FROM 1985 TO 1987 GAGE ZERO WAS 0.58 FEET N.G.V.D. (1952 ADJ)

RECORDS AVAILABLE. AUG. 28, 1941 TO DATE.

EXTREMES. HIGHEST, 14.3 FEET (FROM WATERMARK) IN AUG. 1940. LOWEST, MINUS 0.70 FOOT ON JULY 13, 1951. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT MINUS 0.54 FOOT, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.43		1.09	2.16	1.37	2.16	6.23	2.99	1.91	1.42	1.23	1.52
2	2.47		1.18	2.39	1.47	2.15	6.54	3.18	1.82	1.41	1.25	1.51
3	2.44		1.32	2.47	1.59	2.28	6.62	3.03	1.71	1.38	1.30	1.31
4	2.20		1.49	2.42	1.76	2.35	7.11	2.89	1.66	1.31	1.45	1.46
5	2.23		1.31	2.13	1.87	2.35	7.96	2.77	1.68	1.36	1.50	1.46
6	2.24		1.12	2.14	1.76	2.39	8.10	2.62	1.80	1.37	1.50	1.51
7	2.21		1.14	2.02	1.70	2.43	7.92	2.44	1.81	1.24	1.55	1.84
8	1.95	1.25	1.26	2.18	1.79	2.49	7.49	2.29	1.84	1.09	1.56	1.93
9	1.64	1.26	1.27	1.71	1.89	2.33	6.90	2.18	1.87	1.16	1.40	1.95
10	1.78	1.46	1.33	1.39	1.58	2.24	6.23	2.14	1.82	1.21	1.48	2.02
11	2.00	1.47	1.36	1.49	1.49	2.28	5.53	2.06	1.83	1.23	1.48	1.89
12	2.08	1.48	1.37	1.55	1.52	2.28	4.87	2.00	1.86	1.22	1.49	1.53
13	1.95	1.60	1.44	1.56	1.56	2.23	4.36	1.96	1.87	1.24	1.48	1.64
14	2.06	1.59	1.54	1.68	1.68	2.34	4.11	1.95	1.86	1.20	1.57	1.71
15	2.08	1.60	1.39	1.72	1.69	2.85	4.29	1.93	1.69	1.28	1.70	1.61
16	1.98	1.44	1.26	1.80	1.78	2.94	4.52	1.88	1.67	1.44	1.39	1.19
17	1.97	1.29	1.40	1.81	1.88	2.94	4.63	1.86	1.72	1.22	1.49	1.33
18	2.16	1.22	1.33	1.79	2.23	2.89	4.48	1.84	1.70	0.90	1.51	1.37
19	3.03	1.33	1.26	1.70	3.09	2.68	4.09	1.87	1.68	0.89	1.54	1.29
20	3.24	1.63	1.50	1.59	3.35	2.46	4.06	1.90	1.68	1.14	1.54	1.29
21	3.26	1.33	1.10	1.61	3.39	2.36	3.99	1.87	1.64	1.27	1.55	1.18
22	3.27	1.01	1.20	1.62	3.46	2.34	3.81	1.85	1.57	1.29	1.62	0.64
23	3.01	0.90	1.46	1.67	3.44	2.36	3.60		1.38	1.32	1.52	0.80
24	2.78	1.08	1.58	1.68	3.22	2.32	3.52		1.16	1.27	1.71	1.20
25	2.58	1.21	1.64	1.69	3.10	2.31	3.37	1.91	1.27	1.23	1.80	1.31
26	2.29	1.31	1.74	1.62	2.98	2.45	3.31	1.90	1.27	1.24	1.81	1.31
27	2.17	1.38	1.84	1.61	2.75	3.36	3.35	1.90	1.32	1.23	1.91	1.28
28		1.07	2.08	1.60	2.50	4.40	3.15	1.90	1.35	1.23	1.72	1.27
29		-----	2.37	1.52	2.31	5.11	3.02	1.97	1.31	1.26	1.36	1.82
30		-----	2.48	1.45	2.24	5.77	2.91	1.96	1.32	1.24	1.49	2.31
31		-----	2.23	-----	2.19	-----	2.75	1.94	-----	1.18	-----	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.35	1.33	1.49	1.79	2.21	2.73	4.93	2.17	1.64	1.24	1.53	1.52
MAX	3.27	1.63	2.48	2.47	3.46	5.77	8.10	3.18	1.91	1.44	1.91	2.60
MIN	1.64	0.90	1.09	1.39	1.37	2.15	2.75	1.84	1.16	0.89	1.23	0.64
DAYS	27	21	31	30	31	30	31	29	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

THE MEAN STAGE FOR THE YEAR WAS 2.10.

HIGHEST STAGE WAS 8.13 AT 10:00 P.M. ON JUL 6.

LOWEST STAGE WAS 0.41 ON DEC 22.

DAILY STAGE FOR 1989

MERMENTAU RIVER AT LAKE ARTHUR, LA.

LOCATION. LAT. 30-04-18, LONG. 92-38-55. ON SOUTHWEST SIDE OF CITCO OIL CO. WHARF, 1.1 MILES
UPSTREAM FROM HIGHWAY 14 BRIDGE. (STA. 7052516.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U.S. GEOLOGICAL SURVEY SINCE JAN. 1985. PRIOR TO 1985
GAGE READ AND MAINTAINED BY U.S. ARMY CORPS OF ENGINEERS. PRIOR TO 1985 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. INTERMITTENTLY, 1952 TO 1955. DAILY, MAR. 30, 1956 TO DATE.

EXTREMES. HIGHEST, 8.5 FEET ON MAY 20, 1980. LOWEST, 0.83 FOOT ON JUNE 17, 1963. EXTREMES
HAVE BEEN ADJUSTED TO PRESENT DATUM.

MEAN DAILY STAGE IN FEET

GAGE ZERO, MINUS 1.78 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.29	3.22	2.31	3.26	2.56	3.35	6.21	4.24	3.08	2.60	2.43	2.71
2		3.16	2.39	3.48	2.66	3.36		4.31	3.00	2.60	2.44	2.70
3		2.96	2.52	3.55	2.77	3.48		4.16	2.89	2.57	2.50	2.51
4		2.66	2.67	3.50	2.94	3.54		4.03	2.85	2.51	2.64	2.65
5		2.65	2.45	3.22	3.03	3.53		3.88	2.86	2.55	2.68	2.64
6		2.48	2.29	3.26	2.94	3.46		3.69	2.98	2.56	2.68	2.70
7		2.41	2.33	3.17	2.90	3.59		3.52	2.99	2.45	2.73	2.94
8		2.43	2.46	3.33	2.98	3.53		3.37	3.02	2.29	2.73	2.91
9		2.44	2.48	2.92	3.07	3.41		3.33	3.04	2.36	2.61	2.97
10		2.63	2.53	2.61	2.78	3.38		3.27	3.00	2.40	2.67	3.10
11		2.64	2.55	2.70	2.70	3.46		3.21	3.00	2.42	2.68	3.01
12		2.65	2.56	2.77	2.73	3.45		3.16	3.03	2.41	2.68	2.69
13		2.76	2.63	2.77	2.77	3.40		3.15	3.05	2.42	2.68	2.81
14		2.76	2.73	2.88	2.89	3.60		3.11	3.04	2.41	2.75	2.89
15		2.77	2.60	2.93	2.90	3.80		3.07	2.88	2.48	2.83	2.78
16		2.61	2.47	3.00	2.99	3.80		3.09	2.86	2.63	2.56	2.41
17		2.47	2.60	3.01	3.10	3.85		3.12	2.90	2.42	2.69	2.53
18		2.41	2.54	2.99	3.30	3.80		3.10	2.88	2.12	2.70	2.58
19		2.51	2.48	2.91	3.89	3.62		3.09	2.86	2.08	2.74	2.49
20		2.80	2.71	2.80	4.09	3.49		3.03	2.87	2.32	2.73	2.49
21		2.50	2.32	2.82	4.12	3.50		2.98	2.82	2.45	2.74	2.38
22		2.19	2.37	2.82	4.18	3.51		2.94	2.75	2.48	2.78	1.86
23		2.08	2.60	2.88	4.15	3.54		3.05	2.57	2.51	2.71	2.01
24		2.26	2.75	2.89	4.07	3.52		3.06	2.37	2.46	2.91	2.39
25		2.38	2.82	2.89	4.06	3.60		3.08	2.46	2.43	2.98	2.50
26		2.47	2.91	2.83	3.97	4.24		3.07	2.47	2.43	2.98	2.50
27		2.54	3.01	2.82	3.76	4.95		3.07	2.51	2.43	3.05	2.47
28		2.27	3.24	2.81	3.56	5.41		3.06	2.53	2.42	2.87	2.46
29		-----	3.42	2.73	3.43	5.78		3.13	2.50	2.45	2.55	2.85
30		-----	3.44	2.65	3.40	6.04		3.13	2.50	2.44	2.69	3.22
31		-----	3.24	-----	3.37	-----	3.93	3.11	-----	2.37	-----	3.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.29	2.58	2.66	2.97	3.29	3.83	5.07	3.31	2.82	2.43	2.71	2.66
MAX	3.29	3.22	3.44	3.55	4.18	6.04	6.21	4.31	3.08	2.63	3.05	3.44
MIN	3.29	2.08	2.29	2.61	2.56	3.35	3.93	2.94	2.37	2.08	2.43	1.86
DAYS	1	28	31	30	31	30	2	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 306

THE MEAN STAGE FOR THE YEAR WAS 2.94.

HIGHEST STAGE WAS NOT DETERMINED.

LOWEST STAGE WAS 1.65 ON DEC 22.

DAILY STAGE FOR 1989

MERMENTAU RIVER AT LACASSINE REFUGE (LA.)

LOCATION. LAT. 30-00-09, LONG. 92-46-52. ON DOCK AT LACASSINE WILDLIFE REFUGE HEADQUARTERS.
(STA. 7060016.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 25, 1947 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.50 FEET (CAUSED BY HURRICANE) ON NOV. 04, 1985. LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.47 FOOT ON JUNE 10, AND LATER DATES IN 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.34	3.34	2.46	3.26		3.44	5.40	4.56	3.18	2.64	2.55	2.83
2	3.38	3.31	2.49	3.45	2.69	3.44	5.48	4.34	3.14	2.66	2.61	2.82
3	3.43	3.19	2.61	3.53	2.84	3.51	5.51	4.23	3.13	2.69	2.57	2.68
4	3.36	2.84	2.76	3.53	2.97	3.59	5.46	4.10	3.00	2.63	2.71	2.75
5	3.42	2.89	2.38	3.32	3.00	3.59	5.60	3.93	3.00	2.64	2.81	2.77
6	3.40	2.75	2.31	3.30	3.02	3.53	5.71	3.79	3.10	2.65	2.80	2.74
7	3.40	2.68	2.43	3.20	2.97	3.54	5.82	3.64	3.15	2.66	2.75	2.99
8	3.32	2.69	2.55	3.26	3.02	3.55	5.80	3.57	3.11	2.67	2.62	2.83
9	3.07	2.69	2.59	3.10	3.08	3.46	5.73	3.54	3.15	2.64	2.75	2.88
10	3.11	2.74	2.63	2.83	2.93	3.47	5.62	3.55	3.09	2.65	2.78	3.08
11	3.23	2.78	2.64	2.84	2.86	3.50	5.54	3.32	3.11	2.53	2.79	3.12
12	3.31	2.80	2.63	2.89	2.86	3.50	5.34	3.26	3.16	2.57	2.83	2.76
13	3.16	2.87	2.63	2.86	2.88	3.49	5.08	3.23	3.17	2.58	2.81	2.85
14	3.19	2.86	2.71	2.91	2.99	3.45	4.87	3.20	3.15	2.60	2.81	2.98
15	3.22	2.91	2.68	3.05	2.98	3.64	4.94	3.17	3.01	2.58	2.91	3.01
16	3.13	2.86	2.61	3.07	3.07	3.67	4.90	3.16	2.95	2.76	2.68	2.61
17	3.17	2.68	2.68	3.11	3.19	3.68	4.86	3.18	3.03	2.65	2.79	2.69
18	3.20	2.67	2.69	3.13	3.10	3.74	4.85	3.16	3.04	2.49	2.87	2.70
19	3.57	2.63	2.59	3.07	3.70	3.69	4.75	3.16	3.00	2.18	2.87	2.71
20	3.71	2.83	2.69	2.92	3.82	3.61	4.78	3.16	3.00	2.39	2.87	2.58
21	3.70	2.73	2.52	2.91	3.86	3.49	4.67	3.14	2.98	2.49	2.85	2.64
22	3.75	2.68	2.46	2.90	3.98	3.54	4.67	3.08	2.88	2.56	2.88	2.09
23	3.79	2.16	2.61	2.95	3.91	3.62	4.72	3.14	2.83	2.63	2.80	2.04
24	3.83	2.38	2.80	2.97	3.89	3.72	4.70	3.18	2.77	2.64	3.05	2.36
25	3.80	2.48	2.89	2.99	3.93	3.66	4.63	3.17	2.79	2.58	3.13	2.49
26	3.71	2.52	3.02	2.91	3.91	3.71	4.56	3.18	2.77	2.56	3.08	2.59
27	3.53	2.57	3.09	2.88	3.76	4.37	4.54	3.20	2.78	2.56	3.11	2.57
28	3.50	2.42	3.30	2.89	3.60	4.75	4.41	3.10	2.78	2.55	2.98	2.56
29	3.52	-----	3.36	2.85	3.51	5.01	4.31	3.48	2.78	2.56	2.74	2.86
30	3.38	-----	3.36	2.77	3.46	5.25	4.21	3.23	2.64	2.59	2.80	3.40
31	3.33	-----	3.18	-----	3.45	-----	4.13	3.22	-----	2.43	-----	3.48

THE FOLLOWING REFER ONLY TO READ'NGS IN THE TABLE ABOVE

MEAN	3.42	2.75	2.72	3.06	3.31	3.74	5.02	3.43	2.99	2.58	2.82	2.76
MAX	3.83	3.34	3.36	3.53	3.98	5.25	5.82	4.56	3.18	2.76	3.13	3.48
MIN	3.07	2.16	2.31	2.77	2.69	3.44	4.13	3.08	2.64	2.18	2.55	2.04
DAYS	31	28	31	30	30	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 3.22.

HIGHEST STAGE WAS 5.96 AT 10:00 A.M. ON JUL 8.

LOWEST STAGE WAS 1.90 ON FEB 22.

DAILY STAGE FOR 1989

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (NORTH)

LOCATION. LAT. 29-51-48, LONG. 92-51-00. ON LOCK WALL AT NORTHWEST END OF STRUCTURE. (STA. 7067517.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 0.80 FOOT ON DEC. 26, 1975.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.90	2.80	2.30	2.85	2.30	3.00	4.69	4.10	2.93	2.48	2.39	2.63
2	2.85	2.80	2.25	2.80	2.30	2.97	4.72	3.91	2.91	2.49	2.38	2.57
3	2.75	2.80	2.30	2.90	2.38	3.03	4.80	3.87	2.82	2.49	2.40	2.58
4	2.82	2.75	2.38	2.95	2.45	3.05	4.72	3.72	2.88	2.50	2.48	2.49
5	2.85	2.71	2.10	3.00	2.35	3.05	4.95	3.59	2.91	2.52	2.49	2.45
6	2.89	2.70	2.15	2.88	2.68	3.12	4.93	3.40	2.90	2.45	2.50	2.50
7	2.88	2.57	2.28	2.80	2.73	3.10	4.92	3.30	2.91	2.40	2.46	2.65
8	3.10	2.53	2.40	2.55	2.65	3.00	4.90	3.34	2.90	2.55	2.64	2.80
9	3.00	2.60	2.40	3.05	2.50	3.10	4.96	3.18	2.93	2.55	2.65	2.54
10	2.95	2.52	2.33	2.95	2.50	3.05	4.98	3.10	2.95	2.38	2.49	2.70
11	2.89	2.48	2.30	2.60	2.61	2.98	4.95	3.10	2.95	2.32	2.50	2.70
12	2.93	2.40	2.27	2.60	2.55	2.98	4.86	3.08	3.00	2.38	2.56	2.75
13	3.04	2.45	2.25	2.57	2.46	2.95	4.59	3.04	3.00	2.40	2.52	2.60
14	2.80	2.40	2.30	2.50	2.62	2.95	4.39	3.00	3.00	2.45	2.53	2.70
15	2.75	2.40	2.35	2.65	2.65	3.25	4.43	2.95	2.89	2.52	2.50	2.68
16	2.80	2.35	2.45	2.70	2.70	3.12	4.40	2.95	2.88	2.40	2.45	2.75
17	2.75	2.40	2.35	2.72	2.75	3.20	4.35	2.94	2.92	2.40	2.70	2.69
18	2.75	2.35	2.27	2.75	2.90	3.13	4.29	2.92	2.98	2.45	2.78	2.70
19	3.05	2.30	2.39	2.65	3.10	3.35	4.25	2.90	2.99	2.12	2.85	2.58
20	3.35	2.30	2.30	2.69	3.25	3.35	4.28	2.90	2.90	2.15	2.63	2.48
21	3.37	2.40	2.35	2.69	3.37	3.20	4.27	2.90	2.78	2.25	2.62	2.42
22	3.34	2.16	2.25	2.58	3.35	3.18	4.24	2.93	2.70	2.30	2.65	2.90
23	3.35	2.04	2.35	2.55	3.35	3.35	4.29	2.91	2.64	2.40	3.00 F	2.40
24	3.45	2.30	2.50	2.55	3.27	3.34	4.35	2.91	2.62	2.35	2.90	2.40
25	3.30	2.20	2.56	2.58	3.22	3.30	4.28	2.98	2.50	2.40	2.88	2.40
26	3.24	2.20	2.65	2.51	3.28	3.40	4.29	2.98	2.50	2.30	2.82	2.53
27	3.20	2.20	2.75	2.50	3.20	3.60	4.15	2.96	2.54	2.30	2.85	2.40
28	3.15	2.40	2.90	2.40	3.09	4.20	4.05	2.90	2.52	2.33	2.92	2.20
29	3.09	-----	2.60	2.35	3.00	4.34	3.97	3.00	2.50	2.30	2.98	2.45
30	3.00	-----	2.80	2.28	2.99	4.60	3.89	3.00	2.50	2.30	2.70	2.75
31	2.89	-----	2.80	-----	3.02	-----	3.90	2.97	-----	2.25	-----	2.98

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.02	2.45	2.41	2.67	2.82	3.27	4.49	3.15	2.81	2.38	2.64	2.59
MAX	3.45	2.80	2.90	3.05	3.37	4.60	4.98	4.10	3.00	2.55	3.00	2.98
MIN	2.75	2.04	2.10	2.28	2.30	2.95	3.89	2.90	2.50	2.12	2.38	2.20
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.90.

HIGHEST STAGE WAS 5.15 AT 7:00 A.M. ON JUL 17.

LOWEST STAGE WAS (FROM INCOMPLETE RECORD) 1.83 ON MAR 20.

DAILY STAGE FOR 1989

173

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH AUTO.)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON LOCKWALL AT SOUTHWEST END OF STRUCTURE.
(STA. 7075017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 15, 1949 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.3 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.70 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.65	2.60	1.55	2.60	2.26	3.30	4.58	5.39	3.30	3.25	2.20	2.60
2	2.45	2.60	1.40	2.55	2.35	3.75	4.60	4.20	2.84	2.95	2.00	2.55
3	2.40	2.55	1.50	2.70	2.48	3.80	4.72	3.89	2.81	2.59	2.19	2.20
4	2.20	2.65	2.20	2.90	3.40	3.78	4.68	3.72	3.35	2.59	2.59	2.20
5	2.49	2.65	1.68	2.80	3.73	3.69	4.78	3.58	3.40	2.80	2.85	2.39
6	2.65	2.65	-0.80	2.92	2.70	3.10	4.80	3.40	3.67	3.58	2.90	2.50
7	2.58	2.55	1.35	3.19	2.75	3.40	4.86	3.22	3.69	3.30	2.61	2.70
8	2.97	2.58	2.10	3.55	2.90	3.45	4.90	3.33	3.51	2.60	2.70	2.65
9	2.95	2.69	1.85	3.05	3.00	2.72	4.92	3.20	3.40	3.25	1.63	2.48
10	2.93	2.57	2.50	2.85	2.35	2.90	4.93	3.13	3.28	3.40	1.85	2.63
11	2.85	2.50	2.40	2.40	2.43	2.98	4.85	2.82	3.60	3.00	1.80	2.50
12	3.10	2.37	2.30	2.40	2.39	2.75	4.75	3.15	3.45	2.99	2.19	2.40
13	2.60	2.40	2.00	2.40	2.45	3.02	4.59	3.28	3.50	2.75	2.25	2.50
14	2.70	2.12	2.00	2.34	2.36	3.27	4.34	3.25	3.25	2.65	2.50	2.61
15	2.55	2.20	1.50	2.50	2.60	3.04	4.40	3.30	2.75	3.10	3.00	2.63
16	2.45	2.15	1.00	2.59	2.90	3.20	4.29	3.40	2.80	3.60	1.40	2.70
17	2.40	2.23	1.45	2.75	3.57	3.39	4.20	3.40	2.80	3.00	2.40	2.65
18	2.48	2.15	1.65	2.75	3.75	3.30	4.18	3.30	3.40	2.60	2.90	2.70
19	2.80	2.16	1.35	2.66	3.85	3.23	4.09	2.80	3.57	2.10	2.70	2.52
20	3.00	2.70	2.30	2.70	3.50	3.17	4.11	3.00	3.46	2.40	2.15	2.45
21	3.22	2.49	1.95	2.72	3.60	3.10	4.09	3.20	3.55	2.40	2.00	2.40
22	3.22	2.15	1.85	2.68	3.68	3.15	3.93	3.50	3.00	2.35	2.22	-0.80
23	3.22	1.89	2.34	3.00	3.40	3.23	4.40	3.60	2.62	2.60	0.67	-1.70
24	3.40	2.30	2.62	2.90	3.32	3.19	4.17	3.25	2.53	2.45	1.35	-1.30
25	3.24	1.85	2.78	3.20	3.25	2.98	4.13	3.20	3.25	2.22	2.00	-0.30
26	3.19	1.89	3.20	2.75	3.18	3.40	4.13	3.29	2.96	2.20	1.65	1.30
27	3.12	2.40	3.05	2.55	3.00	4.42	4.02	3.39	3.10	2.05	2.00	1.60
28	3.11	1.68	2.86	2.35	2.86	4.05	4.00	3.50	3.25	2.50	2.70	1.95
29	3.02	-----	2.85	2.15	2.80	4.40	3.93	3.44	2.72	2.50	2.85	2.25
30	2.90	-----	2.52	2.25	2.92	4.42	3.87	3.35	2.98	2.70	2.68	2.65
31	2.78	-----	2.25	-----	3.02	-----	3.90	3.45	-----	2.20	-----	2.95

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.83	2.35	1.99	2.70	2.99	3.39	4.39	3.42	3.19	2.73	2.23	1.99
MAX	3.40	2.70	3.20	3.55	3.85	4.42	4.93	5.39	3.69	3.60	3.00	2.95
MIN	2.20	1.68	-0.80	2.15	2.26	2.72	3.87	2.80	2.53	2.05	0.67	-1.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.85.

HIGHEST STAGE WAS 5.50 AT 10:30 A.M. ON AUG 1.

LOWEST STAGE WAS (FROM INCOMPLETE RECORD) MINUS 1.70 ON DEC 23.

DAILY STAGE FOR 1989

MERMENTAU RIVER AT CATFISH POINT CONTROL STRUCTURE (LA.) (SOUTH STAFF)

LOCATION. LAT. 29-51-46, LONG. 92-51-01. ON BOATHOUSE AT NORTHWEST END OF STRUCTURE.
(STA. 7082517.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. APR. 27, 1951 TO DATE.

EXTREMES. HIGHEST, 8.30 FEET (FROM HIGHWATER MARK) ON JUN. 27, 1957. LOWEST, MINUS 1.70 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.45	2.60	1.00	2.60	2.25	3.80	4.70	5.40	3.40	3.30	2.30	2.55
2	2.50	2.60	1.35	2.60	2.35	3.75	4.70	4.30	3.15	3.10	2.30	2.45
3	2.50	2.45	1.50	2.80	3.05	3.80	4.70	3.85	2.80	2.75	2.25	2.20
4	2.20	2.75	2.35	3.10	3.40	3.90	4.65	3.70	3.30	2.55	2.60	2.35
5	2.55	2.55	1.70	2.95	3.80	3.45	4.75	3.55	3.50	3.10	3.05	2.40
6	2.80	2.75	-0.30	3.00	3.35	2.90	4.80	3.40	3.65	3.60	2.90	2.40
7	2.70	2.50	1.50	3.00	3.00	2.95	4.90	3.25	3.80	3.10	2.70	2.55
8	3.00	2.60	2.40	2.55	2.80	3.25	4.90	3.30	3.50	2.50	2.75	2.60
9	2.90	2.60	2.25	2.95	2.80	2.65	4.80	3.20	3.55	3.25	1.65	2.45
10	2.95	2.55	2.35	2.60	2.40	2.90	4.90	3.15	3.35	3.60	1.85	2.65
11	3.10	2.40	2.25	2.40	2.40	2.95	4.80	3.10	3.60	2.95	1.80	2.55
12	3.05	2.30	2.00	2.40	2.35	3.10	4.75	3.25	3.55	3.30	2.10	2.45
13	2.65	2.30	1.65	2.30	2.50	3.10	4.60	3.30	2.70	3.55	2.25	2.50
14	2.70	2.20	1.20	2.50	2.40	3.45	4.35	3.45	3.70	3.00	2.73	2.60
15	2.50	2.30	1.30	2.60	2.60	3.15	4.40	3.00	3.30	3.50	2.95	2.75
16	2.40	2.20	0.70	2.65	3.25	3.25	4.40	3.00	2.85	3.60	1.70	2.70
17	2.40	2.30	1.80	2.80	3.85	3.30	4.20	3.00	3.10	3.00	2.60	2.65
18	2.55	2.10	1.95	2.90	3.80	3.30	4.15	3.00	3.40	2.85	2.80	2.70
19	2.90	2.15	1.50	2.95	4.00	3.30	4.20	3.00	3.65	2.45	2.60	2.55
20	3.05	2.70	2.35	2.75	3.50	3.20	4.20	3.00	3.40	2.30	2.20	2.45
21	3.30	2.60	2.35	2.70	3.80	3.20	4.10	3.10	3.05	2.50	2.05	2.40
22	3.30	2.20	2.10	2.60	3.60	3.00	4.05	3.50	3.10	2.40	2.30	-0.80
23	3.25	1.80	2.70	3.00	3.20	3.25	4.25	3.70	2.60	2.60	0.20	-1.70
24	3.35	2.40	2.70	2.60	3.15	3.30	4.15	3.45	2.55	2.55	1.55	-1.30
25	3.25	1.60	2.75	2.55	3.15	3.20	4.15	3.50	3.25	2.50	2.25	0.10
26	3.20	1.90	3.10	2.50	3.20	3.40	4.10	3.40	3.30	2.45	1.80	1.35
27	3.15	2.10	2.90	2.15	2.95	4.55	4.05	3.40	3.20	2.30	2.00	1.65
28	3.15	1.00	2.80	2.35	2.80	4.30	3.95	3.55	3.30	2.70	2.15	2.10
29	3.00	-----	2.70	2.15	2.80	4.40	3.95	3.45	3.40	2.40	2.90	2.30
30	3.05	-----	2.35	2.20	2.90	4.65	3.85	3.40	2.95	2.70	2.70	2.65
31	2.75	-----	2.25	-----	3.40	-----	3.90	3.65	-----	2.30	-----	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.86	2.30	1.98	2.64	3.06	3.42	4.40	3.43	3.26	2.86	2.27	2.00
MAX	3.35	2.75	3.10	3.10	4.00	4.65	4.90	5.40	3.80	3.60	3.05	2.75
MIN	2.20	1.00	-0.30	2.15	2.25	2.65	3.85	3.00	2.55	2.30	0.20	-1.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.88.

HIGHEST STAGE WAS 5.40 ON AUG 1.

LOWEST STAGE WAS MINUS 1.70 ON DEC 23.

DAILY STAGE FOR 1989

MERMENTAU RIVER AT GRAND CHENIERE, LA.

LOCATION. LAT. 29-46-08, LONG. 92-59-24. ON HIGHWAY 82 BRIDGE. (STA. 7090017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 15, 1943 TO JULY 12, 1954, AND APR. 13, 1956 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1951, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 13.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.39 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1951 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.70	2.00	3.00	2.25	2.80	3.40	3.73	5.57	2.73	1.80	1.60	1.05
2	2.75	1.64	3.00	2.45	2.20	3.04	3.57	3.65	2.64	1.74	1.15	1.44
3	2.55	0.63	3.25	2.10	2.47	3.29	3.53	3.10	2.33	1.48	1.93	0.60
4	2.68	0.38	3.42	1.93	3.30	3.62	2.90	3.00	2.80	1.45	2.30	1.90
5	2.57	0.88	1.23	1.55	2.72	3.55	3.25	2.75	3.05	2.21	2.61	2.00
6	1.80	0.65	0.90	2.40	2.95	3.14	2.90	2.60	3.34	2.87	2.95	2.30
7	1.95	0.65	1.00	2.50	3.20	4.12	3.32	2.70	3.15	2.62	2.83	1.97
8	1.45	1.10	0.76	3.15	3.62	2.95	3.05	2.74	3.15	2.35	3.05	0.45
9	0.50	2.30	1.38	3.05	3.40	2.86	3.05	3.12	3.30	3.27	2.35	-0.52
10	2.06	2.67	2.35	2.66	3.00	3.10	3.61	3.03	3.16	3.50	1.80	0.22
11	2.50	3.09	2.60	3.03	3.51	3.30	3.43	2.92	3.11	3.55	1.14	-0.15
12	2.88	3.10	2.77	3.10	3.25	3.35	3.24	2.93	3.63	3.63	0.85	-0.75
13	2.15	3.22	2.82	2.85	3.25	3.30	3.08	3.05	3.70	3.50	0.77	-0.15
14	2.55	2.82	2.53	2.84	3.70	3.50	2.88	3.10	2.80	3.00	1.00	0.75
15	2.18	2.38	2.36	2.06	2.65	2.40	3.22	3.12	2.57	3.75	1.75	1.10
16	1.40	1.73	1.95	2.15	3.00	2.45	2.78	2.97	2.00	3.15	0.55	1.35
17	1.20	1.54	1.93	2.15	3.45	3.10	2.92	3.40	1.56	1.85	1.95	2.15
18	1.03	1.10	1.76	2.35	3.40	3.00	3.12	2.84	1.64	0.65	2.64	2.60
19	1.00	1.07	1.33	2.33	3.39	3.00	2.80	2.75	1.80	-0.15	2.69	1.90
20	0.30	2.13	1.80	2.18	3.27	2.90	2.62	2.95	1.75	0.60	2.23	1.67
21	1.22	0.90	1.65	2.28	3.27	2.95	3.17	3.20	2.74	1.47	2.11	1.43
22	1.74	-0.14	1.70	2.80	3.40	3.10	3.22	3.39	2.75	2.04	2.20	-1.50
23	1.86	0.48	2.15	3.39	3.70	3.90	2.96	3.57	2.91	2.68	0.65	-1.65
24	2.65	1.63	2.45	3.34	3.85	3.76	3.00	3.24	2.65	2.69	1.17	-0.50
25	2.38	1.92	2.78	3.45	3.90	3.93	3.15	3.13	3.10	2.75	1.60	-0.87
26	2.50	1.97	3.20	3.35	3.94	3.85	3.56	3.37	2.92	2.53	1.23	-0.65
27	2.37	3.19	3.56	3.57	3.13	3.13	3.40	3.20	2.99	1.55	1.11	-0.20
28	3.28	2.70	3.65	3.40	2.94	3.86	3.08	2.80	2.55	1.77	0.65	-0.25
29	2.68	-----	3.50	2.93	2.84	3.95	3.19	2.84	2.30	1.90	0.20	0.80
30	2.63	-----	3.00	2.65	2.96	3.95	3.50	2.93	1.95	1.62	1.20	1.25
31	2.20	-----	1.65	-----	3.03	-----	3.65	2.95	-----	0.40	-----	1.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.06	1.70	2.30	2.67	3.21	3.32	3.19	3.13	2.70	2.20	1.68	0.68
MAX	3.28	3.22	3.65	3.57	3.94	4.12	3.73	5.57	3.70	3.75	3.05	2.60
MIN	0.30	-0.14	0.76	1.55	2.20	2.40	2.62	2.60	1.56	-0.15	0.20	-1.65
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.41.

HIGHEST STAGE WAS 6.87 AT 3:30 A.M. ON AUG 1.

LOWEST STAGE WAS MINUS 1.75 ON DEC 23.

DAILY STAGE FOR 1989

CALCASIEU RIVER NEAR OBERLIN, LA.

LOCATION. LAT. 30-38-25, LONG. 92-48-50. ON HIGHWAY 26 BRIDGE, THREE MILES NORTHWEST OF OBERLIN, LA. (STA. 7305016.)

GAGE. AUTOMATIC RECORDER.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 753 SQUARE MILES.

RECORDS AVAILABLE. STAGE, AUG. 1922 TO JAN. 1925, AND SEP. 1938 TO DATE. STAGES ARE PUBLISHED BY CORPS OF ENGINEERS SINCE 1946. DAILY DISCHARGE IS COMPUTED AND PUBLISHED BY U.S. GEOLOGICAL SURVEY.

EXTREMES. HIGHEST, 26.53 FEET ON MAY 19, 1953. LOWEST, 1.18 FEET ON OCT. 26, 1988.

MEAN DAILY STAGE IN FEET

GAGE ZERO, 39.43 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.72	7.12	13.67	13.10	7.22	4.97	24.39	4.08	2.73	2.36	2.16	2.41
2	10.81	6.17	12.48	13.75	6.49	4.65	23.87	4.21	2.71	2.35	2.17	2.40
3	10.00	5.53	11.74	14.30	5.01	4.82	22.36	4.32	2.68	2.33	2.17	2.37
4	9.47	5.30	10.89	13.98	3.60	4.83	21.18	4.46	2.65	2.32	2.17	2.35
5	9.07	5.46	9.79	13.24	6.18	4.84	20.17	4.42	2.63	2.31	2.17	2.34
6	8.80	5.77	8.70	12.33	8.07	4.88	19.10	4.35	2.62	2.30	2.19	2.60
7	8.70	6.18	8.02	11.29	8.13	4.17	18.11	4.41	2.62	2.30	2.23	2.75
8	8.74	6.61	7.92	10.15	6.32	5.60	17.26	4.41	2.57	2.28	2.25	2.87
9	9.39	6.76	8.04	8.77	5.10	5.92	16.43	4.24	2.54	2.27	2.23	2.78
10	10.87	6.46	8.15	7.00	5.03	4.74	15.21	4.01	2.52	2.26	2.23	2.72
11	10.77	5.85	8.19	5.49	5.48	4.47	13.89	3.77	2.51	2.25	2.21	2.91
12	9.82	5.25	8.07	4.54	5.99	4.44	12.64	3.56	2.51	2.24	2.19	3.13
13	9.17	4.83	7.71	4.05	6.29	4.48	11.42	3.42	2.54	2.23	2.19	3.06
14	9.78	4.59	7.10	3.76	6.02	5.81	10.46	3.29	2.72	2.22	2.20	2.86
15	10.46	4.42	6.34	3.58	5.07	9.11	10.31	3.20	2.77	2.23	2.19	2.72
16	10.72	4.31	5.56	3.43	4.31	8.69	11.63	3.11	2.65	2.22	2.18	2.65
17	10.79	4.30	4.87	3.29	4.20	8.06	12.43	3.08	2.59	2.21	2.20	2.61
18	11.65	4.33	4.35	3.20	10.08	7.71	11.00	2.98	2.55	2.19	2.21	2.56
19	15.29	4.40	4.02	3.16	17.39	7.05	8.76	2.93	2.52	2.19	2.19	2.53
20	16.42	4.45	3.80	3.15	18.79	6.50	7.74	2.88	2.49	2.18	2.17	2.51
21	16.08	5.46	3.89	3.09	18.69	6.23	7.44	2.84	2.47	2.18	2.16	2.48
22	15.19	7.40	7.40	2.99	19.97	6.17	7.31	2.81	2.46	2.22	2.21	2.47
23	13.99	8.26	10.84	2.88	19.28	6.16	7.25	2.82	2.44	2.29	2.26	2.47
24	13.02	9.81	12.33	2.76	17.69	5.94	7.17	2.92	2.42	2.29	2.33	2.49
25	12.35	13.45	11.17	2.65	16.30	5.39	6.73	2.89	2.41	2.26	2.35	2.48
26	12.13	15.27	8.81	2.55	14.88	4.53	5.94	2.86	2.40	2.22	2.39	2.46
27	12.04	15.42	9.74	2.46	13.31	10.38	5.09	2.78	2.39	2.20	2.36	2.44
28	11.59	14.87	11.37	4.09	11.78	17.75	4.62	2.76	2.38	2.18	2.42	2.45
29	10.78	-----	12.27	4.43	10.31	18.79	4.33	2.74	2.38	2.17	2.51	2.46
30	9.73	-----	13.17	3.91	8.51	21.05	4.09	2.77	2.37	2.17	2.46	2.44
31	8.41	-----	13.28	-----	6.42	-----	3.92	2.76	-----	2.16	-----	2.44

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.19	7.07	8.83	6.25	9.74	7.27	12.01	3.42	2.54	2.24	2.24	2.59
MAX	16.42	15.42	13.67	14.30	19.97	21.05	24.39	4.46	2.77	2.36	2.51	3.13
MIN	8.41	4.30	3.80	2.46	3.60	4.17	3.92	2.74	2.37	2.16	2.16	2.34
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 6.29.

HIGHEST STAGE WAS 24.70 AT 5:00 P.M. ON JUL 2.

LOWEST STAGE WAS 2.16 ON OCT 29 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU SERPENT NEAR FENTON, LA.

LOCATION. LAT. 30-23-15, LONG. 92-54-16. ON U. S. HIGHWAY 165 BRIDGE, 1.7 MILES NORTHEAST OF FENTON, LA. (STA. 7310016.)

GAGE. AUTOMATIC RECORDER AND WIRE-WEIGHT.

RECORDS AVAILABLE. SEP. 26, 1956 TO APR. 16, 1958, OCT. 12 TO 18, 1960, AND JULY 25, 1962 TO DATE.

EXTREMES. HIGHEST, 29.86 FEET ON MAY 17, 1980. LOWEST, 8.07 FEET ON NOV. 6 AND LATER DATES IN 1987.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.06	10.04	8.70	11.16	12.20	8.87	27.85	10.37	8.74	8.76	8.37	8.88
2	10.37	9.52	10.15	11.10	10.37	9.12	27.50	10.19	8.72	8.66	8.44	8.75
3	9.67	9.25	14.58	10.26	9.87	13.99	27.00	9.60	8.67	8.47	8.54	8.67
4	9.35	9.42	10.90	10.44	9.73	11.19	26.40	9.33	8.54	8.37	8.49	8.59
5	9.08	9.70	9.93	10.53	13.44	10.29	26.16	9.18	8.37	8.33	8.44	8.54
6	8.88	10.15	9.35	9.99	11.77	12.40	24.90	9.13	8.27	8.28	8.38	8.50
7	8.82	11.55	8.99	9.76	10.02	10.45	19.37	9.15	8.49	8.27	8.35	9.10
8	8.76	9.94	8.86	9.51	9.43	10.98	16.25	9.25	8.61	8.25	8.34	12.07
9	9.08	9.43	8.80	9.60	9.31	10.22	13.35	9.16	8.58	8.21	8.44	9.97
10	16.93	9.09	8.69	9.65	9.23	9.53	11.17	9.10	8.87	8.23	8.48	9.37
11	13.14	9.04	8.64	10.42	9.04	9.25	14.70	9.06	8.74	8.30	8.46	9.07
12	11.60	8.98	8.90	9.91	8.94	9.14	11.87	8.83	8.65	8.65	8.47	8.92
13	11.40	8.90	8.59	9.65	9.01	9.04	10.70	8.70	8.47	8.63	8.43	8.80
14	12.46	8.79	8.54	9.43	9.06	9.65	10.25	8.67	8.58	8.52	8.37	8.67
15	10.97	8.77	8.65	11.29	9.49	21.77	15.11	8.60	8.57	8.75	8.36	8.60
16	9.97	8.80	9.33	10.34	9.35	16.10	11.80	8.54	8.54	8.96	9.55	8.57
17	9.57	9.04	9.38	9.82	9.26	11.87	10.37	8.56	8.51	8.99	9.09	8.58
18	9.61	9.00	9.38	9.85	12.40	10.31	10.42	8.72	8.50	8.72	8.94	8.62
19	20.88	8.83	9.79	9.44	25.27	9.84	10.17	8.68	8.53	8.62	8.78	8.60
20	17.24	8.73	9.09	9.52	24.10	9.46	12.00	8.78	8.56	8.53	8.64	8.57
21	14.57	8.80	9.14	9.43	16.52	9.24	11.45	8.73	8.55	8.47	8.57	8.47
22	11.55	8.83	11.64	9.54	12.33	9.01	10.15	8.79	8.54	8.43	8.52	8.43
23	10.35	8.77	11.60	9.77	11.01	9.32	9.86	8.87	8.53	8.40	10.12	8.39
24	10.13	8.65	10.55	9.54	9.97	9.23	10.27	9.66	8.51	8.43	9.45	8.37
25	9.93	8.56	9.77	9.28	9.19	9.32	10.44	9.32	8.48	8.52	9.05	8.37
26	9.80	8.55	9.43	9.29	9.12	9.32	9.92	9.10	8.47	8.47	8.90	8.41
27	9.55	8.42	10.94	9.27	8.95	22.40	15.53	9.04	8.37	8.43	13.44	8.42
28	9.29	8.63	10.79	9.28	8.77	27.19	11.77	8.97	8.48	8.37	10.60	8.41
29	9.06	-----	14.64	10.04	8.70	28.35	10.30	9.05	8.68	8.35	9.70	8.46
30	9.36	-----	21.45	9.72	8.65	28.32	12.93	8.94	8.73	8.35	9.17	11.92
31	9.73	-----	14.61	-----	8.67	-----	10.72	8.85	-----	8.35	-----	15.86

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	11.07	9.15	10.45	9.89	11.07	12.84	14.86	9.06	8.56	8.49	8.96	9.13
MAX	20.88	11.55	21.45	11.29	25.27	28.35	27.85	10.37	8.87	8.99	13.44	15.86
MIN	8.76	8.42	8.54	9.27	8.65	8.87	9.86	8.54	8.27	8.21	8.34	8.37
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 10.31.
 HIGHEST STAGE WAS 28.46 AT 3:00 A.M. ON JUN 29.
 LOWEST STAGE WAS 8.20 ON OCT 9.

DAILY STAGE FOR 1989

INDIAN BAYOU NEAR LAKE CHARLES, LA.

LOCATION. LAT. 30-18-10, LONG. 93-14-52. ON HIGHWAY 378 BRIDGE APPROXIMATELY THREE MILES WEST OF MOSS BLUFF, LA. (STA. 7346021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. FOR RECORDS, 1946 TO 1982, REFER TO GAGE WEST FORK CALCASIEU RIVER NEAR LAKE CHARLES, LA.

RECORDS AVAILABLE. DEC. 15, 1983 TO DATE.

EXTREMES. HIGHEST, 11.07 FEET ON JUL. 2, 1989. LOWEST, MINUS 2.05 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1968 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	1.50	1.44	1.78	2.17	2.32	10.45	2.87 F	1.83	1.74	1.67	1.35
2	1.05	1.25	1.49	2.85	1.60	2.55	10.97	2.23		1.73	1.68	1.47
3	1.10		1.84	2.58	2.30	2.48	10.74	2.32		1.72	1.49	1.09
4	0.98		2.38	2.73	2.35	2.45	10.03	2.26		1.70	1.62	1.22
5	2.25		1.59	1.66	2.68	2.52	8.90	1.59		1.76	1.83	1.30
6	2.04		0.98	1.95	2.39	2.13	7.76	1.71		1.95	1.85	1.30
7	1.83		2.25	1.60	1.66	1.55	6.57	1.80 F	2.27	1.97	1.75 F	1.88
8	1.45		1.92	1.80	1.67	2.16	5.57	1.85	2.27	1.57	1.75 F	2.10
9	1.30 F	1.94	1.54	1.07	2.38	2.05	4.41	1.92	2.17	1.62	1.64	2.34
10	2.20	2.02	1.99	1.05	2.02	1.90	3.49	1.83	2.03	1.96	1.56	2.06
11	2.05	2.03	2.06	2.14	1.94	2.08	3.13	1.87	1.93	1.88	1.53	2.10
12	1.83	1.30	2.09	2.08	2.25	2.22	2.54	1.91	2.06	1.97	1.55	1.25
13	1.32	2.03	2.11	2.25	2.02	2.33	2.30	1.96	2.18	1.99	1.66	1.50
14	1.40	2.05	2.00	2.10	2.16	2.38	1.99	1.93	2.22	1.87	1.97	1.65
15	1.06	1.84	2.15	2.09	2.17	2.19	2.39	1.90	1.93	2.07	2.19	1.70
16	1.10	1.96	2.03	2.14	2.27	2.05	2.22	1.96	1.79	2.33	1.80	1.59
17	1.20	1.30	2.16	2.02	2.44	1.99	2.04	1.93	1.85	2.07	1.15	1.38
18	1.60	1.80	2.02	1.98	3.19	2.18	2.34	1.77	1.87	1.65	1.56	1.42
19	3.05	1.85	1.96	1.82	5.10	2.07	2.10	1.57	2.00	1.47	1.69	1.45
20	2.86	2.07	1.88	1.74	6.14	1.95	1.86	1.75	2.06	1.11	1.65	1.37
21	2.00	2.35	2.13	1.72	5.59	2.26	1.74	1.91	2.10	1.23	1.54	1.35
22	2.33	2.10	2.19	1.55	5.02	2.37	1.65	1.86	1.97	1.36	1.52	1.27
23	2.15	0.87	2.19	1.72	4.50	2.32	2.14	1.91	1.68	1.45	1.76	1.25
24	2.30	1.32	2.21	1.80	3.93	2.14	2.20	1.85	1.42	1.63	1.74	1.25
25	1.85	1.47	1.98	1.73	3.57	2.37	2.15	1.87	1.38	1.60	1.80	1.25
26	1.58	1.45	1.94	1.93	3.17	2.41	2.47	1.87	1.57	1.62	1.72	1.24
27	1.06	1.84	1.94	1.91	2.24	4.63	2.37	1.95	1.62	1.63	1.87	1.24
28	1.28	1.97	1.94	1.62	1.37	5.77	2.23	1.97	1.73	1.66	2.02	1.24
29	1.42	-----	2.52	1.85	1.24	7.72	2.24	1.65	1.74	1.73	1.53	1.39
30	0.73	-----	2.23	2.04	2.35	9.22	2.21	1.55	1.74	1.89	1.57	1.60
31	0.55	-----	2.20	-----	2.45	-----	2.85	1.64	-----	1.73	-----	1.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.64	1.74	1.98	1.91	2.78	2.83	4.07	1.90	1.90	1.73	1.69	1.50
MAX	3.05	2.35	2.52	2.85	6.14	9.22	10.97	2.87	2.27	2.33	2.19	2.34
MIN	0.55	0.87	0.98	1.05	1.24	1.55	1.65	1.55	1.38	1.11	1.15	1.09
DAYS	31	22	31	30	31	30	31	31	25	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 354

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.15.

HIGHEST STAGE WAS 11.07 AT 6:30 P.M. ON JUL 2.

LOWEST STAGE WAS MINUS 0.45 ON MAR 6.

DAILY STAGE FOR 1989

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. E.)

LOCATION. LAT. 30-15-13, LONG. 93-13-05. IN NAVIGATION CHANNEL ON EAST SIDE OF STRUCTURE.
(STA. 7347221.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.70	2.40 G	2.30 G	2.30 G	3.00 G	3.00	8.60 G	3.40 G	2.75 G	2.55 G	2.50 G	2.15
2	2.00	2.25 G	2.35	3.30 G	2.65	3.30	9.40	3.30 G	2.65 G	2.55 G	2.50 G	2.25
3	2.20	2.40 G	2.60	3.20 G	3.00	3.10	9.40 G	2.60 G	2.50 G	2.55 G	2.30 G	2.20
4	1.95 G	2.30 G	3.05	3.45 G	3.05	3.10	9.00	2.90 G	2.35 G	2.55 G	2.40 G	2.00
5	3.00 G	2.75	2.30 G	2.35 G	3.40	3.10	8.00 G	3.10 G	2.60 G	2.50 G	2.55 G	2.10
6	3.10	2.55 G	1.55 G	2.60 G	3.10	2.75	7.20	2.25 G	2.90 G	2.60 G	2.60 G	2.10
7	2.85 G	2.75 G	3.00 G	2.10 G	2.20 G	2.10	6.40 G	2.40 G	3.00 G	2.65 G	2.55	2.65
8	2.60 G	2.80 G	2.65 G	2.30 G	2.25	2.70	5.50 G	2.50 G	3.00 G	2.50 G	2.55 G	2.95
9	1.95 G	2.70 G	2.30 G	1.80 G	3.10 G	3.00	4.70 G	2.60 G	2.95 G	2.30 G	2.55 G	3.00
10	2.95 G	2.80 G	2.65 G	1.75 G	2.90	2.60	4.10 G	2.70 G	2.85 G	2.55 G	2.40 G	2.80
11	2.95 G	2.80 G	3.00 G	2.90 G	2.90	2.95	3.95 G	2.60 G	2.60 G	2.65 G	2.40 G	2.85
12	2.45 G	2.35	2.90 G	2.80 G	3.00 G	3.05	3.40 G	2.60 G	2.80 G	2.80 G	2.40 G	2.30
13	1.95 G	2.80 G	2.90 G	3.10 G	3.00 G	3.20	3.30 G	2.60 G	2.90 G	2.85 G	2.55 G	2.40
14	2.00 G	2.80 G	2.90 G	2.90 G	2.95 G	3.15	3.00 G	2.70 G	3.00 G	2.85 G	2.80 G	2.45
15	1.70 G	2.60 G	2.60 G	2.85 G	3.00	2.80	3.05 G	2.60 G	2.70 G	2.85 G	2.95 G	2.50
16	2.00 G	2.75 G	2.50 G	3.00 G	3.10 G	2.70 G	2.80 G	2.60 G	2.50 G	3.20 G	2.60 G	2.40
17	2.05 G	2.60 G	2.60 G	2.80 G	3.20 G	2.55 G	2.60 G	2.70 G	2.60	3.05 G	1.90 G	2.20
18	2.35 G	2.50	2.65 G	2.75 G	3.70 G	2.65 G	3.15 G	2.70 G	2.60 G	2.45 G	2.30 G	2.20
19	3.15 G	2.50 G	2.75 G	2.50	4.15 G	2.45	2.60 G	2.70 G	2.65 G	2.30 G	2.35 G	2.20
20	3.10 G	2.70 G	2.70 G	2.50	4.10 G	2.60	2.75 G	2.65 G	2.85 G	1.90 G	2.40 G	2.10
21	2.30	2.90 G	2.90 G	2.50	4.20 G	3.10	2.50 G	2.50 G	2.85 G	2.10 G	2.35 G	2.20
22	2.90 G	2.90 G	2.70 G	2.50	4.40 G	3.10	2.25 G	2.70 G	2.75 G	2.20 G	2.30 G	2.10
23	2.80 G	1.65 G	2.70 G	2.50	4.30	2.90	2.65 G	2.90 G	2.50 G	2.20 G	2.60 G	2.00
24	3.00 G	1.95 G	2.85 G	2.60	3.95	2.95 G	2.90 G	2.80 G	2.20 G	2.30 G	2.55 G	2.00
25	2.50 G	2.25 G	2.60 G	2.60	3.85	3.00 G	2.90 G	2.80 G	2.10 G	2.30 G	2.60 G	2.00
26	2.30 G	2.30 G	2.70 G	2.75	3.60	3.20 G	3.15 G	2.60 G	2.30 G	2.40 G	2.55 G	2.05
27	1.80 G	2.50 G	2.65 G	2.40	2.80	4.70	3.25 G	2.65 G	2.40 G	2.40 G	2.60 G	2.05
28	2.05 G	2.90 G	2.65 G	2.45	2.30	5.10 G	3.15 G	2.60 G	2.50 G	2.40 G	2.80 G	2.05
29	2.35	-----	3.05 G	2.85	2.10	5.95 G	3.00 G	2.65 G	2.50 G	2.50 G	1.85 G	2.20
30	1.65	-----	2.50 G	2.80 G	3.00	7.15 G	3.05 G	2.70 G	2.55 G	2.65 G	2.30 G	2.35
31	1.50	----- G	2.40	----- G	3.20	----- G	2.90 G	2.70	----- G	2.50	----- G	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.39	2.55	2.64	2.63	3.21	3.27	4.34	2.70	2.65	2.52	2.47	2.30
MAX	3.15	2.90	3.05	3.45	4.40	7.15	9.40	3.40	3.00	3.20	2.95	3.00
MIN	1.50	1.65	1.55	1.45	2.10	2.10	2.25	2.25	2.10	1.90	1.85	2.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.81.

HIGHEST STAGE WAS 9.40 ON JUL 2 AND LATER DATE(S).

LOWEST STAGE WAS 0.80 ON MAR 6.

DAILY STAGE FOR 1989

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.
(STA. 7347321.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.21 FEET ON JUL. 2, 1989. LOWEST, MINUS 3.00 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	1.90	1.07	1.45	1.90	3.05	7.88	4.15	2.76	2.60	2.38	2.00
2	1.75	1.80	1.83	2.90	2.35	3.00	8.71	3.55	2.51	2.49	2.22	1.85
3	2.04	1.75	2.03	3.05	2.97	2.93	9.05	2.75	2.21	2.25	1.83	0.55
4	1.33	1.25	2.76	3.40	3.18	2.75	8.40	2.60	2.32	2.20	2.36	1.70
5	2.25	1.89	2.00	2.22	3.30	2.60	7.35	2.39	3.01	2.75	2.90	1.59
6	2.76	1.80	-0.50	2.50	2.70	1.55	6.37	2.09	3.30	3.09	2.77	1.45
7	2.55	1.63	1.70	2.20	1.70	1.30	5.45	1.95	3.32	2.87	2.33	1.70
8	2.92	1.98	1.90	2.25	2.00	2.10	4.61	2.27	3.30	2.17	2.53	0.45
9	1.75	1.20	1.73	1.30	2.10	1.17	4.00	2.50	3.20	2.60	1.40	-0.80
10	2.89	1.55	1.60	0.50	0.90	1.70	3.69	2.87	2.80	3.11	1.65	1.30
11	2.97	1.40	1.43	0.63	1.39	2.88	3.80	2.69	2.93	2.89	1.90	1.50
12	2.45	1.30	1.15	1.65	1.30	3.08	3.27	2.78	2.82	3.06	2.00	0.50
13	1.49	1.70	1.00	1.80	2.11	3.20	3.29	2.87	3.07	3.00	2.35	1.00
14	1.62	1.40	1.30	2.05	2.23	3.35	2.99	2.98	2.98	2.90	2.69	1.95
15	1.37	1.48	1.55	2.03	2.30	2.32	3.05	2.79	2.40	2.28	3.20	2.30
16	1.30	1.43	1.25	1.98	2.78	2.45	2.85	2.70	2.20	3.54	1.00	0.45
17	1.50	1.00	1.75	2.67	3.38	2.59	2.77	2.68	2.40	3.10	1.95	1.59
18	2.01	1.63	2.10	2.57	3.34	2.75	2.70	2.35	2.80	2.00	2.58	1.80
19	2.98	1.98	1.65	2.48	3.88	2.40	2.50	2.22	3.01	1.33	2.50	1.35
20	2.73	3.00	2.60	2.00	3.40	2.30	2.05	2.35	2.89	1.55	1.98	0.62
21	1.95	2.40	1.85	1.99	3.38	2.50	1.80	2.34	3.00	2.02	1.69	0.90
22	2.75	1.45	2.29	2.20	3.35	2.20	1.70	2.78	2.79	2.12	2.10	-0.85
23	2.70	0.10	2.15	2.15	3.38	2.58	2.01	3.21	2.35	2.30	0.13	-2.25
24	2.96	1.55	2.20	1.85	3.08	2.57	2.10	3.00	1.56	2.55	1.57	-0.50
25	2.45	1.20	2.15	1.90	3.19	2.45	2.25	2.91	2.30	2.41	2.30	0.40
26	2.20	1.00	2.45	1.50	3.11	3.00	3.23	2.83	2.52	2.40	1.80	0.50
27	1.72	1.40	2.35	1.65	2.40	4.50	3.13	2.83	2.42	2.37	1.95	1.08
28	1.96	1.30	2.55	1.29	1.90	4.67	3.00	2.81	2.69	2.60	1.85	1.20
29	2.12	-----	2.75	1.61	1.95	5.35	2.97	2.70	2.74	2.45	1.40	2.05
30	1.60	-----	2.17	1.40	2.72	6.35	3.00	2.79	2.56	2.60	1.30	2.28
31	1.42	-----	1.50	-----	3.15	-----	2.85	2.78	-----	1.99	-----	2.20

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.14	1.55	1.82	1.97	2.61	2.85	3.96	2.73	2.71	2.54	2.02	1.03
MAX	2.98	3.00	2.76	3.40	3.88	6.35	9.05	4.15	3.32	3.54	3.20	2.30
MIN	1.30	0.10	-0.50	0.50	0.90	1.17	1.70	1.95	1.56	1.33	0.13	-2.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.33.

HIGHEST STAGE WAS 9.21 AT 11:00 P.M. ON JUL 2.

LOWEST STAGE WAS MINUS 2.50 ON DEC 25.

DAILY STAGE FOR 1989

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (NAV. W.)

LOCATION. LAT. 30-15-13, LONG. 93-13-06. IN NAVIGATION CHANNEL ON WEST SIDE OF STRUCTURE.
(STA. 7347421.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	1.95 G	1.00 G	1.45 G	1.90 G	3.15	7.90 G	4.25 G	2.75 G	2.60 G	2.20 G	2.00
2	1.75	1.90 G	1.90	3.05 G	2.40	3.10	8.70	3.25 G	2.40 G	2.55 G	2.20 G	1.85
3	2.05	1.75 G	2.15	3.10 G	2.95	2.90	9.00 G	2.60 G	2.15 G	2.40 G	1.85 G	0.55
4	1.30 G	0.60 G	3.85	3.40 G	3.15	2.95	8.45	2.40 G	2.40 G	2.45 G	2.35 G	1.70
5	2.30 G	2.00	2.00 G	2.20 G	3.35	2.60	7.30 G	2.30 G	3.05 G	2.75 G	2.95 G	1.55
6	2.75	2.00 G	-0.30 G	2.40 G	2.70	1.80	6.35	2.00 G	3.30 G	3.10 G	2.75 G	1.45
7	2.60 G	1.65 G	1.70 G	2.05 G	1.80 G	1.55	5.45 G	1.90 G	3.35 G	3.10 G	2.40	1.70
8	2.40 G	1.95 G	1.90 G	2.15 G	1.25	2.00	4.65 G	2.30 G	3.30 G	2.30 G	2.50 G	0.40
9	1.70 G	1.70 G	1.70 G	1.40 G	2.10 G	1.30	4.00 G	2.50 G	3.20 G	2.55 G	1.35 G	-0.70
10	2.85 G	1.50 G	1.55 G	0.40 G	0.90	1.80	3.65 G	2.85 G	2.85 G	3.10 G	1.70 G	1.00
11	2.90 G	1.40 G	1.00 G	0.50 G	0.80	2.90	3.80 G	2.70 G	2.95 G	2.90 G	1.85 G	1.50
12	2.35 G	1.35	1.20 G	1.25 G	1.35 G	3.05	3.25 G	2.85 G	2.80 G	3.10 G	2.05 G	0.10
13	1.45 G	1.75 G	0.85 G	1.70 G	2.10 G	3.20	3.30 G	2.85 G	3.05 G	3.00 G	2.40 G	1.00
14	1.60 G	1.55 G	1.20 G	1.95 G	2.30 G	3.00	3.00 G	2.95 G	2.95 G	2.95 G	2.80 G	1.95
15	1.40 G	1.70 G	1.60 G	1.95 G	2.35	2.35	3.05 G	2.80 G	2.40 G	3.25 G	3.20 G	2.35
16	1.35 G	1.60 G	1.25 G	2.00 G	2.75 G	2.45 G	2.80 G	2.70 G	2.25 G	3.55 G	1.00 G	0.40
17	1.65 G	1.10 G	1.90 G	2.65 G	3.35 G	2.50 G	2.80 G	2.60 G	2.40	3.05 G	1.90 G	1.55
18	2.00 G	1.65	2.15 G	2.55 G	3.35 G	2.60 G	2.60 G	2.35 G	2.65 G	2.00 G	2.60 G	1.80
19	2.85 G	1.90 G	1.70 G	2.45	3.85 G	2.45	2.40 G	2.25 G	3.05 G	1.35 G	2.50 G	1.40
20	2.75 G	3.05 G	2.55 G	2.00	3.35 G	1.90	2.25 G	2.40 G	2.90 G	1.60 G	1.95 G	0.60
21	1.95	2.35 G	1.85 G	1.95	3.35 G	1.85	1.75 G	2.30 G	3.00 G	2.00 G	1.75 G	1.00
22	2.75 G	1.30 G	2.25 G	2.10	3.45 G	1.80	1.70 G	2.75 G	2.75 G	2.10 G	2.10 G	-0.85
23	2.65 G	0.00 G	2.15 G	2.15	3.30	2.25	2.05 G	3.20 G	2.35 G	2.35 G	0.20 G	-2.30
24	2.95 G	1.45 G	2.25 G	1.80	3.05	2.65 G	1.90 G	3.00 G	1.55 G	2.55 G	1.55 G	-0.40
25	2.40 G	1.20 G	2.25 G	1.90	3.15	2.50 G	2.20 G	2.90 G	2.25 G	2.40 G	2.40 G	0.40
26	2.20 G	0.90 G	2.20 G	1.50	3.10	2.95 G	3.15 G	2.85 G	2.65 G	2.40 G	1.95 G	0.55
27	1.70 G	1.45 G	2.40 G	1.65	2.40	4.70	3.15 G	2.80 G	2.40 G	2.40 G	2.00 G	1.05
28	1.95 G	1.45 G	2.50 G	1.10	1.90		3.00 G	2.75 G	2.90 G	2.50 G	1.85 G	1.20
29	2.15	-----	2.70 G	1.60	1.95	5.9 G	2.95 G	2.65 G	2.70 G	2.45 G	1.35 G	2.00
30	1.60	-----	2.15 G	1.45 G	2.75	6.35 G	3.00 G	2.70 G	2.55 G	2.70 G	1.30 G	2.35
31	1.40	-----	1.60	-----	3.20	-----	2.85 G	2.80	-----	2.10	-----	2.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	1.58	1.84	1.93	2.57	2.82	3.95	2.69	2.71	2.57	2.03	1.02
MAX	2.95	3.05	3.85	3.40	3.85	6.35	9.00	4.25	3.35	3.55	3.20	2.35
MIN	1.30	0.00	-0.30	0.40	0.80	1.30	1.70	1.90	1.55	1.35	0.20	-2.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.32.

HIGHEST STAGE WAS 9.00 ON JUL 3.

LOWEST STAGE WAS MINUS 2.30 ON DEC 23.

DAILY STAGE FOR 1989

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLOY. E.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON EAST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347621.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.40 FEET ON JUL. 2 AND 3, 1989. LOWEST, MINUS 0.75 FOOT ON FEB. 3, 1970.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.70	2.40	2.30	2.30 G	3.00 G	3.00	8.60 G	3.40 G	2.75 G	2.55 G	2.50 G	2.15
2	2.00	2.25	2.35	3.30 G	2.65 G	3.30	9.40	3.30 G	2.65 G	2.55 G	2.50 G	2.25
3	2.20 G	2.40	2.60	3.20 G	3.00 G	3.10	9.40 G	2.60 G	2.50 G	2.55 G	2.30 G	2.20
4	1.95 G	2.30	3.05	3.45 G	3.05 G	3.10	9.00 G	2.90 G	2.35 G	2.55 G	2.40 G	2.00
5	3.00 G	2.75	2.30	2.35 G	3.40 G	3.10	8.00 G	3.10 G	2.60 G	2.50 G	2.55 G	2.10
6	3.10 G	2.55 G	1.55	2.60 G	3.10	2.75	7.20	2.25 G	2.90 G	2.60 G	2.60 G	2.10
7	2.85 G	2.75 G	3.00	2.10 G	2.20 G	2.10	6.40 G	2.40 G	3.00 G	2.65 G	2.55 G	2.65
8	2.60 G	2.80	2.65	2.30 G	2.25 G	2.70	5.50 G	2.50 G	3.00 G	2.50 G	2.55	2.95
9	1.95 G	2.70	2.30	1.80 G	3.10 G	3.00	4.70 G	2.60 G	2.95 G	2.30 G	2.55	3.00
10	2.95 G	2.80 G	2.65 G	1.45	2.90 G	2.60	4.10 G	2.70 G	2.85 G	2.55 G	2.40	2.80
11	2.95 G	2.80 G	3.00 G	2.90 G	2.90 G	2.95	3.95 G	2.60 G	2.60 G	2.65 G	2.40 G	2.85
12	2.45 G	2.35	2.90 G	2.80 G	3.00 G	3.05	3.40 G	2.60 G	2.80 G	2.80 G	2.40 G	2.30
13	1.95 G	2.80 G	2.90 G	3.10 G	3.00 G	3.20	3.30 G	2.60 G	2.90 G	2.85 G	2.55 G	2.40
14	2.00 G	2.80 G	2.90 G	2.90 G	2.95 G	3.15	3.00 G	2.70 G	3.00 G	2.85 G	2.80 G	2.45
15	1.70 G	2.60 G	2.60 G	2.85 G	3.00	2.80	3.05 G	2.60 G	2.70 G	2.85 G	2.95 G	2.50
16	2.00 G	2.75 G	2.50 G	3.00 G	3.10	2.70	2.80 G	2.60 G	2.50 G	3.20 G	2.60 G	2.40
17	2.05 G	2.60 G	2.60 G	2.80 G	3.20	2.55 G	2.60 G	2.70 G	2.60 G	3.05 G	1.90 G	2.20
18	2.35 G	2.50 G	2.65 G	2.75	3.70	2.65	3.15 G	2.70 G	2.60 G	2.45 G	2.30 G	2.20
19	3.15 G	2.50 G	2.75 G	2.50	4.15 G	2.45	2.60 G	2.70 G	2.65 G	2.30 G	2.35 G	2.20
20	3.10 G	2.70 G	2.70 G	2.50	4.10	2.60	2.75 G	2.65 G	2.85 G	1.90 G	2.40 G	2.10
21	2.30 G	2.90 G	2.90 G	2.50	4.20 G	3.10	2.50 G	2.50 G	2.85 G	2.10 G	2.35 G	2.20
22	2.90	2.90	2.70 G	2.50	4.40 G	3.10	2.25 G	2.70 G	2.75 G	2.20 G	2.30 G	2.10
23	2.80	1.65	2.70 G	2.50	4.30 G	1.90 G	2.65 G	2.90 G	2.50 G	2.20 G	2.60 G	2.00
24	3.00	1.95	2.85 G	2.60	3.95	2.95 G	2.90 G	2.80 G	2.20 G	2.30 G	2.55 G	2.00
25	2.50	2.25	2.60 G	2.60	3.85 G	3.00 G	2.90 G	2.80 G	2.10 G	2.40 G	2.60 G	2.00
26	2.30	2.30	2.70 G	2.75	3.60 G	3.20 G	3.15 G	2.60 G	2.30 G	2.40 G	2.55 G	2.05
27	1.80	2.50	2.65 G	2.40	2.80	4.70	3.25 G	2.65 G	2.40 G	2.40 G	2.60 G	2.05
28	2.05	2.90	2.65 G	2.45	2.30	5.10	3.15 G	2.60 G	2.50 G	2.40 G	2.80 G	2.05
29	2.35	-----	3.05 G	2.85	2.10	5.95	3.00 G	2.65 G	2.50 G	2.50 G	1.85 G	2.20
30	1.65	-----	2.50 G	2.80 G	3.00	7.15	3.05 G	2.70 G	2.55 G	2.65 G	2.30 G	2.35
31	1.50	-----	2.40	----- G	3.20	-----	2.90 G	2.70	----- G	2.50	----- G	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.39	2.55	2.64	2.63	3.21	3.23	4.34	2.70	2.65	2.52	2.47	2.30
MAX	3.15	2.90	3.05	3.45	4.40	7.15	9.40	3.40	3.00	3.20	2.95	3.00
MIN	1.50	1.65	1.55	1.45	2.10	1.90	2.25	2.25	2.10	1.90	1.85	2.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.81.

HIGHEST STAGE WAS 9.40 ON JUL 2 AND LATER DATE(S).

LOWEST STAGE WAS 1.45 ON APR 10.

DAILY STAGE FOR 1989

CALCASIEU RIVER SALT WATER BARRIER CHANNEL AT LAKE CHARLES, LA. (FLDY. W.)

LOCATION. LAT. 30-15-08, LONG. 93-13-05. IN FLOODWAY CHANNEL ON WEST SIDE OF STRUCTURE AT GATE NUMBER ONE. (STA. 7347821.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. FEB. 1968 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET ON JUL. 3, 1989. LOWEST, MINUS 2.30 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	1.95	1.00	1.45 G	1.90 G	3.15	7.90 G	4.25 G	2.75 G	2.60 G	2.20 G	2.00
2	1.75	1.90	1.90	3.05 G	2.40 G	3.10	8.70	3.25 G	2.40 G	2.55 G	2.20 G	1.85
3	2.05 G	1.75	2.15	3.10 G	2.95 G	2.90	9.00 G	2.60 G	2.15 G	2.40 G	1.85 G	0.55
4	1.30 G	0.60	2.85	3.40 G	3.15 G	2.95	8.45 G	2.40 G	2.40 G	2.45 G	2.35 G	1.70
5	2.30 G	2.00	2.00	2.20 G	3.35 G	2.60	7.30 G	2.30 G	3.05 G	2.75 G	2.95 G	1.55
6	2.75 G	2.00 G	-0.30	2.40 G	2.70	1.80	6.35	2.00 G	3.30 G	3.10 G	2.75 G	1.45
7	2.60 G	1.65 G	1.70	2.05 G	1.80 G	1.55	5.45 G	1.90 G	3.35 G	2.90 G	2.40 G	1.70
8	2.40 G	1.95	1.90	2.15 G	1.25 G	2.00	4.65 G	2.30 G	3.30 G	2.30 G	2.50	0.40
9	1.70 G	1.70	1.70	1.40 G	2.10 G	1.30	4.00 G	2.50 G	3.20 G	2.55 G	1.35	-0.70
10	2.85 G	1.50 G	1.55 G	0.40	0.90 G	1.80	3.65 G	2.85 G	2.85 G	3.10 G	1.70	1.00
11	2.90 G	1.40 G	1.00 G	0.50 G	0.80 G	2.90	3.80 G	2.70 G	2.95 G	2.90 G	1.85 G	1.50
12	2.35 G	1.35	1.20 G	1.25 G	1.35 G	3.05	3.25 G	2.85 G	2.80 G	3.10 G	2.05 G	0.10
13	1.45 G	1.75 G	0.85 G	1.70 G	2.10 G	3.20	3.30 G	2.85 G	3.05 G	3.00 G	2.40 G	1.00
14	1.60 G	1.55 G	1.20 G	1.95 G	2.30 G	3.00	3.00 G	2.95 G	2.95 G	2.95 G	2.80 G	1.95
15	1.40 G	1.70 G	1.60 G	1.95 G	2.35	2.35	3.05 G	2.80 G	2.40 G	3.25 G	3.20 G	2.35
16	1.35 G	1.60 G	1.25 G	2.00 G	2.75	2.45	2.80 G	2.70 G	2.25 G	3.55 G	1.00 G	0.40
17	1.65 G	1.10 G	1.90 G	2.65 G	3.35	2.50 G	2.80 G	2.60 G	2.70 G	3.05 G	1.90 G	1.55
18	2.00 G	1.65 G	2.15 G	2.55	3.35	2.60	2.60 G	2.35 G	2.65 G	2.00 G	2.60 G	1.80
19	2.85 G	1.90 G	1.70 G	2.45	3.85 G	2.45	2.40 G	2.25 G	3.05 G	1.35 G	2.50 G	1.40
20	2.75 G	3.05 G	2.55 G	2.00	3.35	1.90	2.25 G	2.40 G	2.90 G	1.60 G	1.95 G	0.60
21	1.95 G	2.35 G	1.85 G	1.95	3.35 G	1.85	1.75 G	2.30 G	3.00 G	2.00 G	1.75 G	1.00
22	2.75	1.30	2.25 G	2.10	3.45 G	1.80	1.70 G	2.75 G	2.75 G	2.10 G	2.10 G	-0.85
23	2.65	0.00	2.15 G	2.15	3.30 G	2.25 G	2.05 G	3.20 G	2.35 G	2.35 G	0.20 G	-2.30
24	2.95	1.45	2.25 G	1.80	3.05	2.65 G	1.90 G	3.00 G	1.55 G	2.55 G	1.55 G	-0.48
25	2.40	1.20	2.25 G	1.90	3.15 G	2.50 G	2.20 G	2.90 G	2.25 G	2.30 G	2.40 G	0.40
26	2.20	0.90	2.20 G	1.50	3.10 G	2.95 G	3.15 G	2.85 G	2.65 G	2.40 G	1.95 G	0.55
27	1.70	1.45	2.40 G	1.65	2.40	4.70	3.15 G	2.80 G	2.40 G	2.40 G	2.00 G	1.05
28	1.95	1.45	2.50 G	1.10	1.90	4.70	3.00 G	2.75 G	2.90 G	2.50 G	1.85 G	1.20
29	2.15	-----	2.70 G	1.60	1.95	5.40	2.95 G	2.65 G	2.70 G	2.45 G	1.35 G	2.00
30	1.60	-----	2.15 G	1.45 G	2.75	6.35	3.00 G	2.70 G	2.55 G	2.70 G	1.30 G	2.35
31	1.40	-----	1.60	----- G	3.20	-----	2.85 G	2.80	----- G	2.10	----- G	2.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	1.58	1.81	1.93	2.57	2.82	3.95	2.69	2.71	2.56	2.03	1.01
MAX	2.95	3.05	2.85	3.40	3.85	6.35	9.00	4.25	3.35	3.55	3.20	2.35
MIN	1.30	0.00	-0.30	0.40	0.80	1.30	1.70	1.90	1.55	1.35	0.20	-2.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.32.

HIGHEST STAGE WAS 9.00 ON JUL 3.

LOWEST STAGE WAS MINUS 2.30 ON DEC 23.

DAILY STAGE FOR 1989

CALCASIEU RIVER AND PASS AT LAKE CHARLES, LA.

LOCATION. LAT. 30-13-05, LONG. 93-15-12. ON EAST END OF LAKE CHARLES HARBOR TERMINAL DISTRICT DOCKS. (STA. 7355021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 19, 1937 TO OCT. 4, 1973 AND MAR. 21, 1974 TO DATE.

EXTREMES. HIGHEST, 9.8 FEET ON MAY 22, 1953. LOWEST, MINUS 2.40 FEET ON FEB. 28, 1984.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.59 FOOT, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.25	2.45	1.42	6.26	1.86	3.49	6.25	4.94	3.18	2.55	2.60	1.95
2	1.98	2.38	2.18	3.21	2.40	3.54	6.60	4.12	2.85	2.49	2.47	1.87
3	2.25	1.97	2.36	3.15	3.05	3.57	6.63	3.42	2.73	2.30	2.21	0.97
4	1.42	1.49	3.04	3.50	3.65	3.55	6.35	3.25	3.01	2.26	2.76	2.13
5	2.50	2.35	2.25	2.55	3.76	3.45	5.70	2.90	3.85	3.09	3.28	1.89
6	2.90	2.20	-0.23	2.98	3.09	2.80	5.20	2.63	3.08	3.44	3.01	2.00
7	2.80	2.03	2.00	2.70	2.73	2.63	4.70	2.37	3.17	3.22	2.67	1.94
8	2.53	2.24	2.27	2.92	2.70	3.04	4.25	2.65	3.57	2.40	2.75	0.49
9	2.11	1.60	2.12	1.99	3.10	2.17	3.89	2.87	3.44	3.10	1.55	-0.55
10	3.18	2.02	2.05	1.00	1.95	2.36	3.66	3.05	3.13	3.30	1.85	0.89
11	3.30	1.77	2.00	1.00	1.54	3.08	3.89	2.96	3.25	2.85	1.85	1.33
12	2.85	1.65	1.55	1.68	1.61	3.27	3.47	3.07	3.17	3.00	2.00 F	-0.65
13	1.88	2.12	1.30	1.90	2.52	3.35	3.50	3.16	3.38	2.80	2.36	0.40
14	2.03	1.98	1.65	2.17	2.29	3.22	3.22	3.25	3.14	2.67	3.05	1.37
15	1.78	1.95	2.06	2.15	2.52	2.82	3.47	3.11	2.72	3.15	3.46	1.80
16	1.58	1.80	1.75	2.31	3.09	2.85	3.25	3.09	2.70	3.20	1.36 F	0.07
17	1.74	1.67	2.13	3.00	3.76	3.02	3.17	3.15	2.73	2.70	2.35	1.74
18	2.28	1.86	2.40	2.90	3.88	3.28	3.25	3.05	3.05	1.87	2.92	2.23
19	3.06	2.22	2.00	2.92	3.73	3.10	3.25	2.71	3.32	1.20	2.84	1.58
20	2.84	3.31	2.82	2.43	4.20	2.86	2.94	2.88	3.23	1.96	2.26	1.35
21	2.25	2.72	2.22	2.54	3.86	2.80	2.77	2.92	3.39	2.27	2.00	0.97
22	3.09	1.74	2.47	2.75	4.07	2.67	2.93	3.18	2.89	2.47	2.30	-0.34
23	3.05	0.60	2.62	2.83	3.50	2.95	3.24	3.45	2.47	2.56	0.36	-1.80
24	3.33	1.93	2.69	2.84	3.40	3.00	3.00	3.26	1.95	2.74	1.59	-0.05
25	2.89	1.63	2.62	2.67	3.53	2.95	2.94	3.12	2.72	2.38	2.30	0.69
26	2.64	1.43	2.64	2.35	3.37	3.36	3.78	3.10	2.89	2.39	2.00	0.75
27	2.13	1.95	2.74	1.94	2.58	5.23	3.35	3.10	2.67	2.24	2.00	1.30
28	2.40	1.70	2.83	1.88	2.08	4.77	3.26	3.03	2.80	2.57	1.85	1.45
29	2.56	-----	3.05	1.82	2.23	5.40	3.33	2.97	2.70	2.57	1.10	2.30
30	1.94	-----	5.56	1.67	2.95	5.68	3.34	3.08	2.59	2.70	1.45	2.60
31	1.85	-----	6.22	-----	3.45	-----	3.31	3.16	-----	2.47	-----	2.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.43	1.96	2.41	2.53	2.98	3.34	3.93	3.13	2.99	2.61	2.22	1.13
MAX	3.33	3.31	6.22	6.26	4.20	5.68	6.63	4.94	3.85	3.44	3.46	2.60
MIN	1.42	0.60	-0.23	1.00	1.54	2.17	2.77	2.37	1.95	1.20	0.36	-1.80
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.65.

HIGHEST STAGE WAS 6.95 AT 4:00 P.M. ON JUL 2.

LOWEST STAGE WAS MINUS 1.96 ON DEC 23.

DAILY STAGE FOR 1989

CALCASIEU RIVER AND PASS AT MACKBERRY, LA.

LOCATION. LAT. 30-00-20, LONG. 93-20-05. ON AMERICAN OIL CO. WHARF ABOUT 900 FEET SOUTH OF BLACK LAKE BAYOU. (STA. 7360021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. APR. 1943 TO DATE. PRIOR TO AUG. 1970 GAGE WAS LOCATED IN BLACK LAKE BAYOU.

EXTREMES. HIGHEST, 7.25 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.36 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.55 FOOT, NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.12	1.40	0.75	0.89	1.40	2.70	4.10	4.15	2.35	2.05	1.80	1.75
2	1.07	1.29	1.08	2.23	1.55	2.57	3.90	3.35	2.10	1.87	1.74	1.74
3	1.25	1.30	1.50	2.04	2.17	2.64	3.90	2.67	1.85	1.82	1.52	0.75
4	0.67	0.40	2.14	2.32	2.76	2.70	3.58	2.50	2.32	1.82	2.08	1.30
5	1.51	1.26	1.33	1.59	2.68	2.60	3.24	2.20	2.60	2.10	2.55	1.50
6	1.87	1.20	-0.92	1.97	2.19	2.05	3.02	1.99	2.90	2.53	2.38	1.33
7	1.77	0.95	0.70	1.94	1.84	2.02	2.84	1.89	2.90	2.40	2.03	1.50
8	1.66	1.31	1.20	2.06	1.80	2.44	2.77	1.91	2.82	1.76	2.20	0.48
9	1.20	1.00	1.17	1.53	2.15	1.49	2.80	2.18	2.78	2.30	1.15	-0.74
10	2.14	1.51	1.25	0.74	1.30	1.76	2.87	2.33	2.54	2.60	1.55	1.15
11	2.34	1.39	1.17	0.63	1.30	2.42	2.93	2.25	2.60	2.23	1.60	1.70
12	2.16	0.93	1.05	1.17	1.20	2.55	2.67	2.35	2.52	2.42	1.75	0.43
13	1.15	1.44	1.00	1.27	1.89	2.70	2.68	2.45	2.66	2.25	2.15	0.84
14	1.20	1.27	1.00	1.42	1.85	2.80	2.45	2.55	2.42	2.17	2.40	1.50
15	0.90	1.20	1.19	1.33	1.95	1.98	2.69	2.40	1.93	2.60	2.70	1.95
16	0.65	1.07	0.90	1.49	2.36	2.00	2.35	2.33	1.92	2.66	0.68	0.25
17	0.77	0.60	1.44	1.90	3.00	2.12	2.26	2.42	2.08	2.28	1.53	1.13
18	1.20	1.00	1.63	1.93	3.05	2.41	2.30	2.19	2.40	1.58	2.24	1.53
19	1.75	1.20	1.30	1.93	3.22	2.24	2.33	2.05	2.75	0.85	2.28	1.60
20	1.56	2.33	1.90	1.67	2.95	1.88	2.07	2.25	2.65	1.27	1.91	0.85
21	1.17	1.83	1.63	1.70	3.03	2.03	1.88	2.33	2.82	1.64	1.64	1.40
22	1.93	0.91	1.20	1.94	3.07	2.10	2.00	2.65	2.40	1.70	1.90	-1.00
23	1.95	-0.28	1.65	2.00	2.70	2.38	2.20	2.76	1.77	1.84	0.13	-2.29
24	2.27	0.98	1.80	2.02	2.60	2.69	2.05	2.60	1.28	1.99	1.27 F	-0.33
25	2.02	0.95	1.88	2.00	2.57	2.50	2.10	2.47	1.90	1.85	2.13	-0.01
26	1.85	0.93	2.07	1.66	2.66	2.93	3.00	2.50	2.07	1.80	1.79	0.08
27	1.45	1.23	2.15	1.32	1.83	4.47	2.69	2.45	1.96	1.68	1.81	0.57
28	1.90	0.95	2.32	1.35	1.43	3.56	2.56	2.24	2.07	2.01	1.90	0.72
29	1.71	-----	2.22	1.28	1.61	3.94	2.57	2.23	2.12	2.00	0.92	1.45
30	1.25	-----	1.63	1.33	2.17	4.06	2.55	2.27	2.00	2.17	1.01	1.64
31	0.99	-----	0.88	-----	2.57	-----	2.60	2.40	-----	1.52	-----	1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.50	1.13	1.36	1.62	2.22	2.56	2.71	2.43	2.32	1.99	1.76	0.86
MAX	2.34	2.33	2.32	2.32	3.22	4.47	4.10	4.15	2.90	2.66	2.70	1.95
MIN	0.65	-0.28	-0.92	0.63	1.20	1.49	1.88	1.89	1.28	0.85	0.13	-2.29
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.87.

HIGHEST STAGE WAS 4.64 AT 1:00 A.M. ON JUL 2.

LOWEST STAGE WAS (FROM INCOMPLETE RECORD) MINUS 2.36 ON DEC 23.

DAILY STAGE FOR 1989

CALCASIEU RIVER AND PASS NEAR CAMERON, LA.

LOCATION. LAT. 29-46-30, LONG. 93-20-46. AT CALCASIEU RIVER PILOTS DOCKS, TWO MILES SOUTHWEST OF CAMERON, LA. (STA. 7365022.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1939 TO DATE.

EXTREMES. HIGHEST, 12.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 3.12 FEET ON FEB. 25, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75	2.52	2.00	1.80	2.00	2.70	3.12	4.55	2.11	1.26	1.16	0.26
2	1.75	2.37	1.75	2.05	1.50	2.48	3.07	3.26	2.18	1.35	0.55	0.40
3	1.40	1.44	2.07	1.34	1.87	2.65	3.27	2.70	1.75	1.25	1.65	-0.35
4	1.50	1.33	1.98	1.35	2.63	2.98	2.70	2.45	2.45	1.20	1.70	1.35
5	1.05	1.48	-0.67	1.00	1.95	3.00	3.10	2.19	2.65	1.98	2.15	1.40
6	0.45	0.70	-1.57	1.95	2.34	2.52	2.60	2.06	2.87	2.33	2.35	1.87
7	0.80	0.48	-0.25	1.80	2.42	3.11	3.00	2.17	2.85	2.32	2.36	2.06
8	0.20	0.15	0.50	2.15	2.53	2.52	2.80	2.12	2.83	2.35	2.62	0.30
9	-0.25	1.67	0.85	2.35	2.38	2.20	2.77	2.64	2.87	3.05	1.90	-0.35
10	1.17	2.04	1.69	1.95	2.14	2.39	3.14	2.56	2.77	2.90	1.43	0.35
11	1.94	2.30	1.83	2.06	2.37	2.60	2.93	2.52	2.67	2.66	0.80	0.00
12	2.37	2.14	2.02	2.36	2.32	2.81	2.69	2.57	2.80	2.56	0.65	-1.60
13	1.94	2.46	2.10	2.35	2.38	2.69	2.47	2.75	2.73	2.04	0.38	-1.34
14	2.08	1.84	2.10	2.05	2.40	3.50	2.24	2.81	2.32	1.70	0.33	-0.54
15	1.96	1.43	2.00	1.48	2.14	1.97	2.56	2.57	1.60	2.29	0.72	0.10
16	1.26	0.54	1.28	1.66	2.39	1.90	2.15	2.43	1.78	1.42	-0.65	0.15
17	1.67	0.40	1.33	1.75	3.10	2.23	2.25	2.34	1.50	1.07	1.39	1.27
18	1.25	0.17	1.22	1.82	2.85	2.53	2.44	2.25	2.14	0.54	2.10	1.85
19	0.85	0.37	0.88	1.80	2.70	2.55	2.17	2.00	2.42	0.05	2.47	1.37
20	0.15	1.45	1.10	1.77	2.74	2.35	1.85	2.05	2.54	1.33	2.08	1.33
21	0.17	0.58	1.05	1.80	2.82	2.49	2.34	2.37	2.91	1.82	1.77	1.14
22	0.70	0.58	1.25	2.27	2.80	2.60	2.57	2.74	2.40	2.05	2.02	-1.19
23	0.84	0.03	1.45	2.49	3.05	3.35	2.15	2.65	2.34	2.30	0.55	-1.25
24	0.98	1.23	1.85	2.45	2.94	3.17	2.36	2.74	2.07	1.92	1.15	-0.15
25	1.20	1.55	2.21	2.64	3.07	3.15	2.56	2.75	2.54	1.79	1.01	-0.50
26	1.50	1.49	2.54	2.40	3.15	3.55	3.41	2.72	2.42	1.65	0.94	-0.95
27	1.75	2.00	2.70	2.67	2.46	4.00	3.02	2.71	2.24	1.10	0.90	-0.69
28	2.64	2.06	2.84	2.50	2.15	3.12	2.74	2.29	1.95	1.45	-0.13	-0.71
29	2.34	-----	3.34	2.15	2.19	3.75	2.67	2.24	1.74	1.45	-0.65	0.35
30	2.45	-----	2.50	1.45	2.28	3.30	2.77	2.29	1.59	1.24	0.05	0.70
31	2.28	-----	1.00	-----	2.45	-----	3.11	2.31	-----	0.13	-----	0.86

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.36	1.31	1.51	1.99	2.47	2.81	2.68	2.54	2.33	1.70	1.19	0.24
MAX	2.64	2.52	3.34	2.67	3.15	4.00	3.41	4.55	2.91	3.05	2.62	2.06
MIN	-0.25	0.03	-1.57	1.00	1.50	1.90	1.85	2.00	1.50	0.05	-0.65	-1.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.85.

HIGHEST STAGE WAS 5.10 AT 4:30 A.M. ON AUG 1.

LOWEST STAGE WAS MINUS 2.14 ON DEC 12.

DAILY STAGE FOR 1989

BAYOU DUPRE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-56-28, LONG. 89-50-24. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7600504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 3.52 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.34 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.37	0.10	0.54	0.50	1.30	1.35	1.48	1.54				
2	0.15	-0.06	0.84	0.10	0.70	1.30	1.30	1.13				
3	0.06	0.13	0.83	0.25	1.14	1.20	1.03	1.00				
4	0.19	0.50	1.07	0.57	1.14	0.95	0.78	0.58				
5	0.05	0.72	0.93	0.64	0.85	0.90	0.60	0.50				
6	0.56	0.95	-0.13	0.92	0.72	0.31	0.37	0.45				
7	0.72	0.96	0.10	-0.43	0.55	0.80	0.74	0.84				
8	0.97	0.81	0.37	0.06	0.10	1.12	0.79	1.45				
9	1.52	0.93	0.42	0.57	-0.30	0.45	1.07	1.50				
10	1.70	0.30	0.12	0.90	-0.82	0.95	1.23	1.42				
11	1.65	-0.23	-0.37	0.77	0.50	0.70	1.27	1.47				
12	1.50	-0.65	-0.78	0.43	0.30	0.90	1.12	1.52				
13	0.80	-0.23	-0.78	0.55	0.30	0.99	0.93	1.50				
14	0.92	-0.04	-0.56	0.27	0.35	1.00	0.80	1.47				
15	0.15	-0.03	-0.08	0.45	0.73	0.85	0.80	1.33				
16	0.12	0.13	0.21	0.65	0.90	1.15	0.53	1.16				
17	0.09	0.35	0.30	0.49	1.20	1.15	0.79	1.07				
18	0.15	0.47	0.40	0.75	1.39	1.10	0.75	0.97				
19	0.55	0.85	0.23	0.60	1.39	0.85	0.62	0.90				
20	1.09	1.15	0.35	0.85	1.00	0.75	-0.27	1.15				
21	1.49	1.07	0.42	0.85	1.25	0.70	0.69	1.50				
22	1.37	0.39	1.25	0.90	0.96	0.70	0.67	1.83				
23	0.62	-0.52 F	0.78	0.65	0.25	1.05	1.15	1.67				
24	0.52	-0.25	0.98	0.50	0.15	1.12	1.45	1.49				
25	0.70	-0.51	0.77	0.30	-0.15	1.23	1.70	1.44				
26	0.95	-0.54	0.65	-0.15	-0.10	1.29	1.75	1.40				
27	0.62	-0.40	0.59	-0.25	-0.40	1.42	1.70	1.25				
28	0.96	-0.27	0.63	-0.29	0.25	1.54	1.57	1.30				
29	0.87	-----	0.55	0.20	0.72	1.50	1.48	1.30				
30	0.32	-----	0.00	0.65	0.90	1.60	1.37	1.22				
31	-0.07	-----	-0.10	-----	1.35	-----	1.36		-----			

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.70	0.22	0.34	0.44	0.60	1.03	1.02	1.24				0.76
MAX	1.70	1.15	1.25	0.92	1.39	1.60	1.75	1.83				1.26
MIN	-0.07	-0.65	-0.78	-0.43	-0.82	0.31	-0.27	0.45				0.25
DAYS	31	28	31	30	31	30	31	30	0	0	0	2

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 244

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.70.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 1.89 AT 5:00 P.M. ON JUL 31.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.27 ON FEB 25.

DAILY STAGE FOR 1989

BAYOU DUPRE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-56-35, LONG. 89-50-24. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7601004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. AUG. 22, 1975 TO DATE.

EXTREMES. HIGHEST, 7.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.47 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.25	-0.07	0.50				1.64	1.55	0.94	1.30	1.47	1.36
2	0.03	-0.24	0.68				1.35	0.96	0.65	1.55	1.57	1.24
3	-0.16	-0.14	0.53				1.03	0.91	1.45	1.13	1.60	
4	0.07	0.28	0.67				0.77	0.43	1.85	1.57	1.54	
5	-0.10	0.57	0.53		F 0.95		0.60	0.53	2.70	1.75	1.57	
6	0.40	0.84	-0.33		0.54		0.33	0.55	2.24	1.79	1.56	
7	0.55	0.93	-0.10				0.75	0.90	2.13	1.83	1.50	
8	0.81	0.80	0.20				0.80	1.72	1.95	1.95	1.62	
9	1.55	0.93	0.38				1.14	1.71	1.87	2.15	1.15	
10	1.94	0.30	0.17				1.30	1.62	1.80	1.95	0.55	
11	1.70	-0.32	-0.27				1.35	1.74	1.82	1.73	0.60	
12	1.57	-0.67	-0.73				1.18	1.72	1.83	1.64	1.00	
13	0.75	-0.29	-0.75				0.93	1.85	1.63	1.59	1.59	
14	0.90	-0.17	-0.58				0.81	1.70	1.45	2.17	2.06	
15	-0.03	-0.18	-0.16				0.83	1.50	1.38	2.22	2.19	
16	-0.01	-0.12	0.07				0.54	1.25	1.38	1.92	1.49	
17	-0.01	0.18	0.00				0.82	1.13	1.61	1.97	1.26	
18	-0.03	0.25	0.12				0.75	1.00	1.77	2.18	1.34	
19	0.43	0.65	0.10				0.58	0.92	2.10	1.26	1.50	
20	0.93	1.05	0.17				-0.43	1.23	2.05	0.46	1.12	
21	1.50	0.98	0.34				0.68	1.67	1.93	0.54	0.75	
22	1.27	0.14	1.35			F 1.22	0.75	2.00	1.67	0.66	1.04	
23	0.30	-0.54	0.75			1.10	1.18	1.80	1.52	0.85	0.31	
24	0.30	-0.25	0.92			1.10	1.60	1.66	1.70	0.99	1.17	
25	0.60	-0.50	0.74			1.24	2.00	1.66	2.37	0.79	1.24	
26	0.90	-0.55				1.33	2.00	1.64	1.80	0.80	1.38	
27	0.62	-0.36				1.52	1.93	1.40	1.37	0.73	1.22	
28	1.04	-0.28				1.67	1.76	1.49	1.80	1.10	1.40	
29	0.78	-----				1.75	1.60	1.44	2.08	0.81	1.68	
30	0.25	-----		0.40		1.87	1.37	1.29	1.74	1.00	1.54 F	-0.10
31	-0.22	-----		-----		-----	1.34	1.10	-----	1.05	-----	1.09

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.61	0.11	0.21	0.40	0.75	1.42	1.07	1.36	1.75	1.40	1.33	0.90
MAX	1.94	1.05	1.35	0.40	0.95	1.87	2.00	2.00	2.70	2.22	2.19	1.36
MIN	-0.22	-0.67	-0.75	0.40	0.54	1.10	-0.43	0.43	0.65	0.46	0.31	-0.10
DAYS	31	28	25	1	2	9	31	31	30	31	30	4

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 253

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.02.

HIGHEST STAGE WAS 2.76 AT 3:45 A.M. ON SEP 5.

LOWEST STAGE WAS MINUS 1.16 ON OCT 20.

DAILY STAGE FOR 1989

BAYOU BIENVENUE AT PARIS ROAD (LA.)

LOCATION. LAT. 29-58-55, LONG. 89-56-47. ON STATE HIGHWAY 47 (PARIS ROAD) BRIDGE.
(STA. 7602004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. DEC. 19, 1974 TO DATE.

EXTREMES. HIGHEST, 4.82 FEET ON MAY 3, 1978. LOWEST, MINUS 2.93 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.74	0.70	0.60	0.65	1.46	1.16	1.19	1.56	1.01	1.50	1.06	0.87
2	0.74	0.59	1.15	0.85	0.89	1.11	0.93	1.29	0.85	1.54	1.18	0.70
3	0.66	0.80	1.30	0.85	0.65	1.10	0.76	0.99	1.30	1.27	1.20	0.45
4	0.66	0.89	1.48	0.90	0.84	0.80	0.65	0.64	1.54	1.34	1.21	0.44
5	0.71	1.07	1.41	0.74	0.75	0.80	0.32	0.48	2.33	1.36	1.24	-0.01
6	0.94	1.15	0.18	0.61	0.20	0.59	0.35	0.49	2.13	1.45	1.30	0.33
7	0.91	1.14	0.25	-0.37	0.24	0.67	0.47	0.66	1.91	1.50	1.47	0.63
8	1.10	0.94	0.23	-0.17	0.10	1.08	0.63	1.08	1.67	1.51	1.85	0.97
9	1.29	0.72	0.10	-0.01	0.06	0.57	0.89	1.27	1.50	1.67	1.45	0.02
10	1.48	0.30	-0.27	0.79	-0.55	0.91	1.11	1.05	1.37	1.77	1.00	0.19
11	1.60	-0.15	-0.35	0.96	0.40	0.86	1.06	1.12	1.38	1.63	0.94	0.45
12	1.49	-0.19	-0.60	0.84	0.35	0.67	0.89	1.25	1.39	1.62	1.01	0.86
13	0.91	0.24	-0.54	1.15	0.37	0.78	0.62	1.29	1.51	1.63	1.25	0.50
14	1.00	0.54	-0.13	0.85	0.52	0.74	0.34	1.29	1.52	2.15	1.52	0.37
15	0.56	0.81	0.25	0.96	0.59	0.56	0.24	1.18	1.38	2.05	1.61	0.60
16	0.46	0.83	0.68	0.77	0.71	0.70	0.11	1.04	1.33	1.98	1.16	0.77
17	0.49	0.79	0.92	0.70	0.96	0.71	0.00	0.94	1.55	1.89	1.02	1.07
18	0.65	0.84	0.95	0.74	1.33	0.83	0.26	0.84	1.71	1.82	0.99	1.37
19	0.89	1.09	0.67	0.66	1.44	0.64	0.38	0.88	1.76	1.13	1.18	1.50
20	1.20	1.17	0.75	0.36	0.94	0.46	-0.31	1.05	1.73	0.35	0.96	1.00
21	1.44	1.25	0.60	0.49	1.20	0.55	0.21	1.43	1.61	0.31	0.65	0.35
22	1.39	0.88	1.03	0.65	0.90	0.60	0.62	1.81	1.41	0.44	0.78	0.39
23	0.76	-0.45	1.43	0.46	0.45	0.87	1.08	1.65	1.16	0.62	0.52	
24	0.70	-0.49	0.84	0.34	0.22	1.05	1.23	1.28	1.36	0.82	0.90	
25	0.80	-0.75	0.53	0.25	0.00	1.16	1.62	1.10	1.89	0.78	1.08 F	-1.67
26	1.01	-0.67	0.60	0.21	0.10	1.15	1.71	1.04	1.75	0.86	1.11	-1.03
27	0.64	-0.49	0.60	0.12	-0.12	1.31	1.57	0.95	1.43	0.85	1.09	-0.40
28	0.86	-0.13	0.85	0.32	0.15	1.36	1.36	0.95	1.66	1.05	1.17	-0.10
29	1.12	-----	0.97	0.55	0.62	1.28	1.20	1.06	2.05	0.98	1.21	0.48
30	0.71	-----	0.75	0.92	0.90	1.37	1.04	1.10	2.04	1.09	1.15	0.78
31	0.59	-----	0.45	-----	1.14	-----	1.09	1.05	-----	1.00	-----	1.05

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.92	0.48	0.57	0.57	0.57	0.88	0.76	1.09	1.57	1.29	1.14	0.45
MAX	1.60	1.25	1.48	1.15	1.46	1.37	1.71	1.81	2.33	2.15	1.85	1.50
MIN	0.46	-0.75	-0.60	-0.37	-0.55	0.46	-0.31	0.48	0.85	0.31	0.52	-1.67
DAYS	31	28	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.86.

HIGHEST STAGE WAS 2.36 AT 1:00 P.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.68 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU BIENVENUE AT FLOODGATE (WEST) (LA.)

LOCATION. LAT. 29-59-47, LONG. 89-54-57. ON NORTHWEST FENDER OF STRUCTURE. (STA. 7602404.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 9, 1975 TO DATE.

EXTREMES. HIGHEST, 3.91 FEET ON APR. 13, 1980. LOWEST, (FROM INCOMPLETE RECORD) MINUS 2.03 FEET ON MAY 3, 1978.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT MGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.65	0.55	0.73	0.67	1.45	1.38			1.07	1.50	1.20	1.13
2	0.54	0.43	1.13	0.55	0.86	1.35			0.80	1.60	1.37	0.95
3	0.50	0.60	1.18	0.65	1.05	1.33			1.40	1.30	1.35	0.64
4	0.50	0.78	1.36	0.90	1.16	1.05		F 0.70	1.70	1.44	1.37	0.73
5	0.50	0.95	1.27	0.77	0.95	1.00		0.59	2.43	1.50	1.40	0.20
6	0.85	1.13	0.13	0.87	0.63	0.60		0.60	2.30	1.60	1.45	0.48
7	0.90	1.12	0.24	-0.30	0.55	0.85		0.85	2.09	1.63	1.48	0.57
8	1.15	0.94	0.42	0.15	0.40	1.25		1.34	1.85	1.65	1.84	0.80
9	1.54	0.93	0.44	0.50	0.05	0.80		1.49	1.74	1.80	1.45	-0.20
10	1.75	0.41	0.10	1.02	-0.65	1.10		1.35	1.62	1.85	0.94	0.05
11	1.80	-0.05	-0.22	1.00	0.60	0.95		1.41	1.65	1.73	0.90	0.30
12	1.63	-0.33	-0.60	0.75	0.56	0.90		1.50	1.60	1.67	1.00	0.85
13	0.94	0.13	-0.57	0.90	0.55	1.00		1.53	1.60	1.70	1.30	0.43
14	1.07	0.37	-0.23	0.70	0.55	1.00		1.50	1.55	2.20	1.65	0.35
15	0.53	0.40	0.23	0.78	0.80	0.90		1.38	1.46	2.14	1.78	0.65
16	0.50	0.57	0.53	0.80	0.75	1.05		1.18	1.45	2.03	1.24	0.93
17	0.45	0.68	0.70	0.70	1.20	1.10		1.10	1.65	1.94	1.15	1.27
18	0.65	0.73	0.75	0.86	1.50	1.12		0.97	1.82	1.94	1.18	1.54
19	0.93	1.08	0.55	0.75	1.55	1.10		1.00	1.90	1.22	1.35	1.60
20	1.31	1.29	0.65	0.75	1.20	0.80		1.23	1.85	0.50	1.08	0.95
21	1.60	1.30	0.63	0.80	1.39	0.90		1.60	1.75	0.45	0.76	0.27
22	1.55	0.62	1.28	0.93	1.10	0.93		2.00	1.55	0.57	0.86	0.35
23	0.85	-0.42	1.30	0.80	0.60	1.04		1.79	1.35	0.77	0.59	-0.75
24	0.73	-0.23	1.05	0.70	0.40 F	0.93		1.46	1.50	0.95	0.97 F	-0.40
25	0.90	-0.45	0.80	0.57	0.17			1.35	2.05	0.86	1.15 F	-1.00
26	1.10	-0.40	0.75	0.17	0.25			1.27	1.87	0.95	1.15 F	-0.99
27	0.75	-0.28	0.70	0.08	-0.15			1.15	1.51	0.90	1.10	-0.70
28	1.05	-0.05	0.84	0.05	0.35			1.20	1.77	1.12	1.14	-0.40
29	1.14	-----	0.85	0.40	0.83			1.28	2.14	1.00	1.40	0.35
30	0.65	-----	0.45	0.85	1.10			1.25	2.00	1.09	1.35	0.74
31	0.40	-----	0.25	-----	1.38	-----		1.17	-----	1.05	-----	1.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.95	0.46	0.57	0.64	0.75	1.02		1.26	1.70	1.38	1.23	0.42
MAX	1.80	1.30	1.36	1.02	1.55	1.38		2.00	2.43	2.20	1.84	1.60
MIN	0.40	-0.45	-0.60	-0.30	-0.65	0.60		0.59	0.80	0.45	0.59	-1.00
DAYS	31	28	31	30	31	24	0	28	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 325

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.94.

HIGHEST STAGE WAS 2.45 AT 5:00 A.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.08 ON DEC 23.

DAILY STAGE FOR 1989

BAYOU BIENVENUE AT FLOODGATE (EAST) (LA.)

LOCATION. LAT. 29-59-52, LONG. 89-54-55. ON NORTHEAST FENDER OF STRUCTURE. (STA. 7602504.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. DEC. 23, 1974 TO DATE.

EXTREMES. HIGHEST, 8.00 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.98 FEET ON APR. 12, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.34	0.00		0.70	1.30	1.70	1.90	1.84	1.07	1.10	0.80	0.35
2	0.08	-0.10		0.25	0.75	1.60	1.57	1.24	0.73	1.25	0.80	0.15
3	-0.15	0.05		0.30	1.30	1.60	1.16	1.15	1.65	0.80	1.40	
4	0.11	0.47		0.55	1.33	1.15	0.90	0.70	2.10	1.39	1.12	
5	0.00	0.70		0.75	0.83	1.15	0.75	0.65	2.85	1.80	1.25	
6	0.45	0.95		1.12	0.85	0.35	0.50	0.64	2.40	1.75	1.55	
7	0.63	1.00		-0.40	0.70	0.92	0.90	0.99	2.33	2.00	1.58	
8	0.98	0.86		0.25	0.40	1.25	0.95	1.93	2.12	2.15	1.44	
9	1.60	0.99		1.05	-0.15	0.55	1.33	1.86	2.10	2.65	1.42	
10	2.05	0.36		1.15	-0.80	1.10	1.50	1.80	2.05	2.25	0.25	
11	1.80	-0.17		0.95	0.65	0.75	1.55	1.92	2.05	1.95	0.05	
12	1.69	-0.63		0.55	0.42	1.10	1.39	1.92	2.15	1.75	0.25	
13	0.75	-0.23		0.60	0.50	1.15	1.10	2.00	1.88	1.50	0.35	
14	1.00	-0.14		0.25	0.45	1.25	0.99	1.86	1.60	1.80	0.80	
15	0.00	-0.14		0.35	0.93	1.05	1.01	1.70	1.46	1.70	0.95	
16	0.06	-0.05		0.75	1.07	1.40	0.66	1.36	1.50	1.40	0.30	
17	0.08	0.24		0.60	1.50	1.50	1.04	1.25	1.69	1.35	1.15	
18	0.05	0.32		0.86	1.63	1.40	0.97	1.15	1.75	1.70	0.67	
19	0.61	0.70		0.75	1.57	1.10	0.72	1.05	2.22	0.75	1.30	
20	1.15	1.05		1.00	1.10	1.03	-0.25	1.35	2.25	0.15	0.75	
21	1.63	1.05		1.00	1.47	0.95	0.87	1.84	2.10	0.80	0.50	
22	1.56	0.12		1.05	1.05	1.00	0.85	2.30	1.80	0.95	0.62	
23	0.50	-0.57 F	0.60	0.90	0.40	1.22	1.38	1.95	1.80	0.93	0.53	
24	0.50 F	-0.85	1.05	0.75	0.50	1.30	1.87	1.83	1.95	1.20	0.83	
25	0.70		0.85	0.60	0.00	1.45	2.39	1.85	2.75	1.00	0.60	
26	1.09		0.75	-0.07	0.10	1.50	2.33	1.85	1.97	0.95	0.45	
27	0.70		0.70	-0.15	-0.40	1.76	2.20	1.60	1.57	0.70	0.20	
28	1.15		0.75	-0.25	0.40	1.95	2.05	1.65	2.14	0.80	0.20	
29	0.92	-----	0.55	0.25	0.90	2.05	1.90	1.60	2.16	0.65	0.75	
30	0.30	-----	-0.15	0.75	1.10	2.15	1.65	1.42	1.50	0.47	0.65 F	0.40
31	0.19	-----	-0.26	-----	1.70	-----	1.76	1.24	-----	0.40	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.73	0.25	0.54	0.57	0.76	1.28	1.29	1.53	1.92	1.29	0.78	0.56
MAX	2.05	1.05	1.05	1.15	1.70	2.15	2.39	2.30	2.85	2.65	1.58	1.35
MIN	-0.15	-0.85	-0.26	-0.40	-0.80	0.35	-0.25	0.64	0.73	0.15	0.05	0.15
DAYS	31	24	9	30	31	30	31	31	30	31	30	4

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 312

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.04.

HIGHEST STAGE WAS 3.15 AT 4:00 A.M. ON SEP 5.

LOWEST STAGE WAS MINUS 1.13 ON FEB 23.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY NEAR PARIS ROAD BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-00-24, LONG. 89-56-05. ON NORTH BANK AT NEW ORLEANS PUBLIC SERVICE, INC.
ELECTRIC PLANT, 1700 FEET EAST OF PARIS ROAD BRIDGE. (STA. 7604003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO NOV. 15, 1967, GAGE WAS LOCATED AT PARIS ROAD BRIDGE (FIELD OFFICE).
PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. STAGE, JUNE 27 TO OCT. 9, 1944, JUNE 12 TO AUG. 17, 1945, AND APR. 16, 1948,
TO DATE.

EXTREMES. HIGHEST, 10.04 FEET (CAUSED BY HURRICANE) ON SEP. 10, 1965. LOWEST, MINUS 2.56 FEET ON
APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.61	0.22	0.80	0.83	1.60	2.07	2.42	2.16	1.34	1.41	1.45	1.29
2	0.38	0.12	1.04	0.47	0.91	2.00	2.17	1.59	1.02	1.62	1.49	1.00
3	0.17	0.17	0.93	0.70	1.50	2.00	1.48	1.52	1.87	1.23	1.95	0.80
4	0.56	0.55	1.05	0.95	1.51	1.53	1.22	1.02	2.46	1.70	1.80	1.10
5	0.39	0.65	0.98	1.02	1.02	1.45	1.15	1.00	3.20	2.20	1.95	0.35
6	1.00	1.21	0.10	1.40	1.05	0.76	0.80	0.99	2.87	2.29	2.25	0.81
7	1.10	1.30	0.29	-0.27	0.90	1.43	1.32	1.40	2.67	2.36	2.00	0.60
8	1.31	1.15	0.65	0.40	0.50	1.63	1.36	2.40	2.50	2.60	1.79	0.50
9	2.28	1.28	0.75	1.45	0.10	1.15	1.71	2.30	2.48	2.99	1.44	-0.50
10	2.55	0.58	0.49	1.37	-0.53	1.67	1.90	2.28	2.42	2.60	0.58	-0.25
11	2.12	0.05	0.02	1.00	0.91	1.38	1.96	2.43	2.45	2.19	0.40	0.18
12	2.00	-0.30	-0.25	0.65	0.68	1.41	1.78	2.49	2.50	1.95	0.60	0.80
13	1.08	0.00	-0.55	0.79	0.79	1.56	1.50	2.57	2.20	1.79	0.98	0.40
14	1.34	0.19	-0.29	0.47	0.78	1.65	1.41	2.27	1.86	2.18	1.80	0.30
15	0.30	0.19	0.12	0.60	1.28	1.68	1.48	2.03	1.72	2.10	1.95	0.70
16	0.38	0.30	0.33	0.90	1.50	1.89	1.09	1.74	1.75	2.00	1.05	1.30
17	0.37	0.50	0.39	0.80	1.96	2.00	1.25	1.62	1.95	1.90	1.76	1.82
18	0.40	0.62	0.40	1.09	2.01	1.91	1.30	1.53	2.29	2.20	1.49	1.80
19	0.90	1.00	0.50	0.92	2.00	1.40	1.07	1.45	2.70	1.20	2.00	1.90
20	1.44	1.30	0.60	1.23	1.70	1.38	-0.10	1.75	2.69	0.60	1.25	1.00
21	1.95	1.55	0.70	1.28	2.05	1.30	1.29	2.30	2.52	1.15	0.80	0.30
22	1.80	0.50	1.77	1.40	1.25	1.38	1.25	2.72	2.24	1.30	0.90	0.49
23	0.80	-0.35	1.08	1.19	0.50	1.68	1.80	2.35	2.19	1.25	0.78	
24	0.80	0.00	1.30	0.85	0.53	1.72	2.31	2.30	2.35	1.48	1.16	
25	0.90	-0.25	1.12	0.50	0.15	1.85	2.82	2.38	3.20	1.13	1.00	
26	1.25	-0.25	1.05	-0.05	0.25	1.89	2.74	2.39	2.25	1.10	0.90	
27	0.95	-0.20	0.80	-0.20	-0.13	2.20	2.70	2.02	1.78	0.92 E	0.70	-0.41
28	1.55	-0.05	0.95	-0.15	0.70	2.42	2.53	2.23	2.49	1.20	1.00	-0.10
29	1.10	-----	0.80	0.25	1.22	2.58	2.33	2.00	2.50	1.05	1.53	0.75
30	0.55	-----	0.16	0.80	1.40	2.70	2.11	1.80	1.90	0.99	1.58	0.95
31	0.05	-----	0.00	-----	2.08	-----	1.87	1.59	-----	1.02	-----	1.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.04	0.43	0.58	0.75	1.04	1.72	1.68	1.96	2.28	1.67	1.34	0.71
MAX	2.55	1.55	1.77	1.45	2.08	2.70	2.82	2.72	3.20	2.99	2.25	1.90
MIN	0.05	-0.35	-0.55	-0.27	-0.53	0.76	-0.10	0.99	1.02	0.60	0.40	-0.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	27

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

E=ESTIMATED

THE MEAN STAGE FOR THE YEAR WAS 1.28.

HIGHEST STAGE WAS 3.59 AT 3:20 A.M. ON SEP 5.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

INNER HARBOR NAVIGATION CANAL NEAR SEABROOK BRIDGE, NEW ORLEANS, LA.

LOCATION. LAT. 30-01-45, LONG. 90-01-58. ON EAST BANK AT BAROID PLANT WHARF, 250 FEET SOUTH OF SEABROOK BRIDGE. (STA. 7606006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO MAR. 4, 1965, GAGE WAS LOCATED AT SOUTHERN RAILROAD BRIDGE. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. VARIOUS MONTHS, 1942, 1944, 1945, 1959, AND 1960. DAILY, AUG. 18, 1962 TO DATE.

EXTREMES. (SINCE 1962) HIGHEST, 6.47 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.89 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.73	0.76	0.33	0.59	1.40	1.16						
2	0.65	0.69	1.09	0.61	0.74	1.10						
3	0.65	0.87	1.01	0.78	0.25	0.84						
4	0.53	1.00	1.23	0.96	0.31	0.77						
5	0.57	1.12	1.37	0.93	0.31	0.85						
6	0.90	1.28	0.16	0.26	0.18	0.71						
7	1.01	1.23	0.03	-0.20	0.13	0.73						
8	1.32	0.95	-0.16	-0.26	0.30	1.08						
9	1.30	0.71	-0.63	-0.22	0.15	0.77						
10		0.30	-0.83	0.87	-0.29	0.91						
11		0.14	-0.73	0.81	0.25	1.14						
12		0.00		0.67	0.31	0.95						
13		0.28		0.86	0.40	0.87						
14		0.55		0.66	0.57	0.50						
15		0.61		0.80	0.39	0.78						
16		0.64	0.39	0.73	0.38	0.59						
17		0.64	0.46	0.71	0.62	0.50						
18		0.70	0.50	0.74	1.16	0.75						
19		0.93	0.32	0.68	1.06	0.86						
20		1.01	0.43	0.01	1.12	0.56						
21	1.28	1.25	0.51	0.03	0.97	0.78						
22	1.27	0.54	0.45	0.36	0.88	0.96						
23	0.76	-0.48	0.94	0.26	0.56							
24	0.75	-1.11	0.42	0.47	0.50							
25	0.56	-1.16	0.40	0.42	0.26							
26	0.82	-0.82	0.52	0.17	0.30							
27	0.53	-0.64	0.53	0.08	0.18							
28	0.66	-0.13	0.73	0.09	0.29							
29	1.18	-----	0.77	0.51	0.78							
30	0.82	-----	0.57	0.76	1.35							
31	0.60	-----	0.67	-----	1.11	-----						

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.84	0.42	0.42	0.47	0.55	0.83						
MAX	1.32	1.28	1.37	0.96	1.40	1.16						
MIN	0.53	-1.16	-0.83	-0.26	-0.29	0.50						
DAYS	20	28	27	30	31	22	0	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 158
 THE MEAN STAGE FOR THE YEAR WAS 0.57.
 HIGHEST STAGE WAS NOT DETERMINED.
 LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

INNER HARBOR NAVIGATION CANAL (IHW) AT FLORIDA AVE. BRIDGE, NEW ORLEANS, LA

LOCATION. LAT. 29-58-53, LONG. 90-01-15. AT FLORIDA AVENUE BRIDGE CONTROL HOUSE. (STA. 7612007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1979 GAGE ZERO WAS MINUS 20.55 FEET, NGVD.

RECORDS AVAILABLE. JULY 1944 TO DATE. SUBTRACT 0.2 FROM DAILY STAGES PRIOR TO 1955.

EXTREMES. (SINCE 1945) HIGHEST, 9.82 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 2.53 FEET ON DEC. 26, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.33	0.07	0.61	0.61	1.81		1.87	2.20	1.04			
2	0.10	-0.08	0.73	0.26	1.46		1.66	1.57	0.75			
3	-0.11	0.04	0.63	0.37	1.87		0.99	1.54	1.60	1.25		
4	0.11	0.46	0.77	0.65	1.56		0.75	1.20	2.17			-0.04
5	-0.02	0.71	0.76	0.84	0.99		0.53	1.26	2.77			
6	0.45	0.98	-0.20	1.15			0.34	1.26	2.28			
7	0.62	0.98	0.00	-0.38			0.78	1.67	2.20			
8	0.95	0.85	0.30	0.15			0.82	2.85	2.03			
9	1.58	1.01	0.41	1.24			1.32	2.63	2.08			
10	2.07	0.32	0.22	1.14			1.55	2.46	1.99			
11	1.77	-0.20	-0.25	0.91			1.79	2.62	1.99			
12	1.66	-0.61	-0.73	0.53			1.62	2.65	2.10			
13	0.79	-0.18	-0.77	0.65			1.22	2.68	1.78			
14	0.96	-0.05	-0.52	0.28			1.20	2.41	1.42			
15	0.05	-0.05	-0.04	0.44			1.00	1.55	1.27			
16	0.07	0.03	0.19	0.72			0.76	1.26	1.22			
17	0.05	0.30	0.20	0.58			1.40	1.07	1.46	1.85	1.42	
18	0.09	0.39	0.28	0.84			1.29	1.00				
19	0.56	0.79	0.29	0.77			1.07	0.87				
20	1.08	1.15	0.31	1.09			0.25	1.20	2.26			
21	1.59	1.18	0.47	1.46			1.31	1.76				
22	1.45	0.24	1.55	1.55			1.50	2.14				0.69
23	0.47	-0.56	0.90	1.21			1.56	1.85				0.45
24	0.59	-0.22	1.13	1.06			1.95	1.83				-0.38
25	0.70	-0.47	0.91	0.84			2.67	1.88				-1.45
26	1.01	-0.52	0.81	0.20			2.51	1.85				-1.29
27	0.68	-0.35	0.76	0.01			2.66	1.55				-0.60
28	1.19	-0.21	0.81	-0.25		1.87	2.66	1.77				-0.27
29	0.92	-----	0.54	0.64		2.07	2.58	1.65				0.23
30	0.32	-----	-0.03	1.04		2.14	2.42	1.47				0.32
31	-0.13	-----	-0.14	-----		-----	2.40	1.27	-----	1.84	-----	0.36

THE FOLLOWING REFERS ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.71	0.21	0.35	0.69	1.54	2.03	1.50	1.77	1.80	1.31	1.42	-0.18
MAX	2.07	1.18	1.55	1.55	1.87	2.14	2.67	2.85	2.77	1.85	1.42	0.69
MIN	-0.13	-0.61	-0.77	-0.38	0.99	1.87	0.25	0.87	0.75	0.84	1.42	-1.45
DAYS	31	28	31	30	5	3	31	31	18	3	1	11

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 223

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.94.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.61 AT 11:00 P.M. ON SEPT 4.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 2.53 ON DEC 26.

DAILY STAGE FOR 1989

INNER HARBOR NAVIGATION CANAL (IHW) AT NEW ORLEANS, LA.

LOCATION. LAT. 29-57-52, LONG. 90-01-42. LAKE END OF INNER HARBOR NAVIGATION CANAL LOCK.
(STA. 7616007.)

GAGE. STAFF TYPE.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 32.19 FEET, NGVD.

RECORDS AVAILABLE. MAY 17, 1922 TO DATE.

EXTREMES. HIGHEST, 10.61 FEET (FROM HIGHWATER MARK) (CAUSED BY HURRICANE BETSY) ON SEP. 10, 1965.
LOWEST, MINUS 2.00 FEET ON APR 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.1	-0.9	0.5	0.4	0.8	1.5	1.7	1.6	1.0	1.3	1.1	0.8
2	0.1	-0.2	0.6	0.0	0.6	1.0	1.0	0.8	0.8	1.5	1.0	0.7
3	-0.1	-0.1	0.6	0.4	1.0	1.0	0.7	0.8	1.5	1.2	1.5	0.6
4		0.4	0.8	0.8	1.1	0.8	0.8	0.4	1.8	1.5	1.5	0.7
5	0.0	0.5	0.8	0.8	0.6	0.6	0.4	0.4	2.7	1.9	1.6	-0.1
6	0.5	1.0	-0.3	0.9	0.4	0.0	0.0	0.5	2.4	1.2	1.8	-0.5
7	0.6	1.0	0.0	-0.6	0.4	0.5	0.5	1.0	2.2	1.9	1.7	-0.2
8	1.0	0.8	0.4	-0.2	-0.1	1.0	0.5	1.7	2.0	2.2	1.3	0.2
9	1.5	0.8	0.4	0.5	0.4	0.2	1.0	1.7	1.9	2.4	1.1	0.5
10	2.0	0.2	0.1	0.5	-0.2	0.9	1.4	1.8	1.9	2.0	0.2	-0.3
11	1.7	-0.4	-0.4	0.5	0.2	0.5	1.2	1.8	1.8	1.7	0.3	0.1
12	1.8	-0.6	-1.0	0.4	0.0	1.0	0.2	1.8	1.8	1.5	0.4	0.4
13	1.6	-0.3	-1.0	0.5	-0.2	1.0	0.8	1.8	1.6	1.5	0.9	1.0
14	0.6	0.3	-0.8	0.1	-0.1	1.0	0.6	1.6	1.4	2.0	1.4	0.1
15	0.0	0.4	-0.2	0.4	0.2	0.8	0.6	1.5	1.2	2.0	1.6	0.5
16	0.0	0.0	0.0	0.6	0.8	1.1	0.5	1.0	1.2	1.8	0.8	0.8
17	0.0	0.4	0.0	0.4	1.1	1.0	0.8	0.8	1.5	1.8	1.3	1.5
18	0.7	0.5	0.2	0.7	1.5	1.0	0.2	0.8	2.2	0.8	1.1	1.5
19	0.7	0.8	0.3	0.7	1.5	0.8	0.4	0.7	2.2	1.0	1.8	1.8
20	1.0	1.1	0.2	0.8	0.5	0.5	-0.5	1.3	2.2	0.6	1.0	0.6
21	0.2	1.0	0.4	0.8	1.1	0.5	0.5	2.3	2.0	0.8	0.5	0.0
22	1.5	-0.1	1.5	1.0	0.7	0.5	1.0	2.0	1.8	0.8	0.6	0.2
23	0.5	-0.5	0.8	0.0	0.1	1.0	1.1	2.0	1.5	0.7	0.2	-0.2
24	0.6	-0.3	0.3	0.2	0.8	0.7	2.1	1.7	1.8	1.0	0.8	0.1
25	-0.6	-0.4	0.7	-0.2	-0.5	1.0	2.0	1.7	2.6	0.6	0.7	0.2
26	0.9	-0.6	0.6	-0.2	-0.2	1.0	2.0	1.5	1.8	0.8	0.7	0.1
27	0.6	-0.7	0.7	0.6	-0.5	1.5	1.8	1.0	1.3	0.6	0.6	-0.6
28	0.9		0.5	-0.2	0.0	1.8	1.8	1.5	1.9	0.9	0.6	-0.1
29	0.9	-----	0.5	-0.2	0.6	1.7	1.5	1.5	2.0	0.6	1.2	0.5
30	0.3	-----	-0.9	0.4	0.8	1.9	1.3	1.2	1.8	0.6	0.8	0.8
31	-0.3	-----	-0.8	-----	1.5	-----	1.0	1.0	-----	0.6	-----	1.4

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.6	0.2	0.2	0.4	0.5	0.9	0.9	1.3	1.8	1.3	1.0	0.4
MAX	2.0	1.1	1.5	1.0	1.5	1.9	2.1	2.3	2.7	2.4	1.8	1.8
MIN	-0.6	-0.9	-1.0	-0.6	-0.5	0.0	-0.5	0.4	0.8	0.6	0.2	-0.6
DAYS	30	27	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 363

THE MEAN STAGE FOR THE YEAR WAS 0.8.

HIGHEST STAGE WAS 2.7 ON SEP 5.

LOWEST STAGE WAS MINUS 1.0 ON MAR 12 AND LATER DATE(S).

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT HARVEY LOCK (LA.)

LOCATION. LAT. 29-54-31, LONG. 90-05-02. ON LOCK TAILBAY (CANALSIDE) WALL. (STA. 7620007.)

GAGE. WIRE WEIGHT TYPE.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS AT M.L.G.

RECORDS AVAILABLE. JAN. 1, 1925 TO DATE.

EXTREMES. HIGHEST, 4.74 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON JAN. 26 AND 27, 1940. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80	0.95	0.45	0.54	1.07	1.04	1.72	1.86	1.20	1.05	0.94	0.08
2	0.65	0.88	0.35	0.86	0.64	1.09	1.59	2.00	0.95	1.23	0.95	0.17
3	0.89	0.85	0.75	0.97	0.54	1.09	1.60	1.55	0.94	1.15	0.22	0.02
4	0.01	0.94	0.86	1.20	1.00	1.06	1.32	1.39	0.80	1.22	0.65	0.05
5	0.66	0.44	1.10	0.99	1.15	1.30	1.29	0.01	1.17	1.00	0.55	0.12
6	0.83	0.45	0.85	0.68	1.07	1.42	1.04	0.81	1.20	1.03	0.71	0.20
7	0.98	0.30	0.25	0.81	0.86	1.35	1.17	0.70	1.41	1.19	0.75	0.92
8	1.09	0.03	0.03	0.59	0.80	1.40	1.12	0.56	1.43	0.82	2.62	1.32
9	0.88	0.43	0.12	0.67	0.97	1.49	0.97	0.55	1.39	0.57	1.61	0.55
10	0.68	0.66	0.73	0.50	0.90	1.24	1.08	0.68	1.35	0.89	1.20	0.35
11	1.90	-0.84	0.95	0.07	0.46	1.28	1.15	0.68	1.10	0.90	1.20	0.68
12	0.80	0.17	0.98	0.05	0.39	1.15	1.10	0.69	1.05	1.16	1.23	0.75
13	0.80	0.34	0.14	0.38	0.50	1.12	0.96	0.85	1.25	1.26	1.08	0.15
14	0.52	0.45	0.45	0.39	0.84	1.30	0.91	0.91	1.35	1.20	1.50	0.08
15	0.65	0.52	0.85	0.74	0.88	1.55	0.73	0.97	1.25	1.23	1.44	0.05
16	0.45	0.85	0.80	0.68	0.80	1.35	0.82	0.90	1.02	1.56	1.03	0.75
17	0.21	0.50	1.00	0.67	0.91	0.97	0.60	0.95	0.78	1.60	0.52	-0.70
18	0.50	0.58	1.90	0.69	1.48	0.88	0.77	0.95	0.94	1.38	0.60	0.01
19	0.62	0.45	0.86	0.70	1.52	1.00	0.80	0.93	0.98	0.65	0.53	0.15
20	0.67	0.56	1.12	0.60	1.55	1.05	0.85	0.90	0.96	0.25	0.56	0.06
21	0.41	0.90	1.04	0.55	1.48	0.90	0.50	0.98	0.92	0.32	0.56	0.00
22	0.53	0.55	0.04	0.09	1.30	1.24	0.95	1.05	0.96	0.54	0.52	-0.45
23	0.58	-0.80	0.65	0.57	1.31	1.25	0.97	1.07	0.93	0.55	0.22	-0.60
24	0.48	-0.20	0.27	0.50	1.35	1.30	0.64	1.29	0.96	0.54	0.10	-0.56
25	0.53	-0.36	1.00	0.68	1.13	1.27	0.98	1.18	0.20	0.48	0.41	-0.88
26	0.52	0.63	0.68	0.78	1.19	1.20	0.95	1.10	0.56	0.56	0.66	-0.20
27	0.51	0.05	0.80	0.80	1.40	1.49	1.10	0.95	0.49	0.57	0.65	-0.67
28	0.47	0.54	0.96	0.94	0.97	1.76	1.21	0.85	0.87	0.60	1.05	-0.80
29	0.86	-----	1.03	1.30	0.95	1.74	1.03	1.00	0.80	0.91	0.40	0.00
30	0.85	-----	1.35	1.24	0.75	1.76	1.09	0.95	1.05	0.98	-0.89	0.25
31	0.72	-----	1.19	-----	0.90	-----	1.12	1.09	-----	0.95	-----	0.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.68	0.39	0.76	0.67	1.00	1.27	1.04	0.98	1.01	0.91	0.79	0.08
MAX	1.90	0.95	1.90	1.30	1.55	1.76	1.72	2.00	1.43	1.60	2.62	1.32
MIN	0.01	-0.84	0.03	0.05	0.39	0.88	0.50	0.01	0.20	0.25	-0.89	-0.88
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 358
 THE MEAN STAGE FOR THE YEAR WAS 0.80.
 HIGHEST STAGE WAS 2.62 AT 8:00 A.M. ON NOV 8.
 LOWEST STAGE WAS MINUS 0.89 ON NOV 30.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT ALGIERS LOCK (LA.)

LOCATION. LAT. 29-54-43, LONG. 89-58-28. ON SOUTHWEST CORNER OF LOCK TAILBAY (CANALSIDE)
WALL. (STA. 7624004.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1974 GAGE ZERO WAS MINUS 0.22 FOOT, M.L.G.

RECORDS AVAILABLE. MAY 1, 1956 TO DATE.

EXTREMES. HIGHEST, 4.45 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.64 FEET
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.54	0.79	0.25	0.46	0.85	0.89	1.48	1.55	0.96	0.94	0.47	-0.05
2	0.55	0.73	0.41	0.70	0.52	0.95	1.45	1.80	0.90	0.97	0.60	0.15
3	0.60	0.80	0.55	1.00	0.39	1.05	1.50	1.48	0.74	0.92	0.29	0.09
4	0.29	0.25	0.90	1.20	0.81	1.01	1.55	1.28	0.69	0.75	0.39	-0.19
5	0.38	0.25	1.58	0.95	1.26	1.10	1.21	0.98	1.03	0.67	0.47	0.08
6	0.65	0.23	1.00	0.49	0.82	1.17	1.06	0.65	1.17	0.78	0.69	0.20
7	0.78	-0.13	0.18	0.56	0.60	1.10	0.95	0.64	1.30	0.85	1.06	1.00
8	0.89	-0.30	-0.25	0.42	0.55	1.49	0.93	0.35	1.34	0.71	2.65	1.12
9	0.57	-0.73	-0.52	0.50	0.77	1.33	0.94	0.50	1.28	0.49	1.80	0.72
10	0.50	-0.50	-0.50	0.39	0.75	1.10	0.97	0.64	1.17	0.62	1.28	0.32
11	0.66	-0.25	-0.36	-0.10	0.29	1.10	1.06	0.68	1.10	0.73	1.15	0.41
12	0.80	-0.02	-0.16	0.09	0.21	1.12	0.90	0.74	1.10	0.81	1.06	0.64
13	0.75	0.28	0.00	0.38	0.40	1.19	0.85	0.85	1.13	0.99	1.04	0.32
14	0.30	0.58	0.35	0.45	0.69	1.20	0.79	0.82	1.23	0.89	1.20	0.06
15	0.50	0.77	0.67	0.67	0.70	1.51	0.62	0.92	1.17	1.00	1.35	0.15
16	0.29	0.65	0.76	0.52	0.60	1.21	0.61	0.78	0.90	1.24	1.18	-0.08
17	0.15	0.48	0.93	0.69	0.87	0.95	0.49	0.93	0.80	1.31	0.59	-0.32
18	0.30	0.30	1.00	0.72	1.11	0.88	0.50	0.98	0.80	1.20	0.57	-0.23
19	0.22	0.29	0.90	0.78	1.30	0.92	0.60	1.08	0.86	0.72	0.51	0.00
20	0.60	0.50	0.94	0.44	1.33	1.01	0.81	0.85	0.90	0.23	0.51	0.08
21	0.00	0.79	0.88	0.22	1.12	0.93	0.52	0.97	0.87	0.02	0.52	0.00
22	0.25	0.45	0.60	0.31	1.09	1.01	0.88	1.05	0.85	0.13	0.60	-0.34
23	0.50	-0.34	0.49	0.48	1.08	1.05	0.75	1.20	0.67	0.24	0.49	-0.72
24	0.50	-0.62	0.30	0.53	1.15	1.01	0.78	1.15	0.26	0.35	0.17	-1.50
25	0.55	-0.73	0.50	0.63	1.05	1.10	0.70	1.09	0.03	0.32	0.40	-1.25
26	0.55	-0.50	0.68	0.55	1.21	1.20	0.89	1.00	0.25	0.38	0.64	-0.75
27	0.40	-0.15	0.64	0.58	1.17	1.38	1.00	0.90	0.40	0.46	0.83	-0.70
28	0.20	0.30	0.83	0.70	0.76	1.53	0.98	0.90	0.54	0.47	1.04	-0.62
29	0.70	-----	1.04	1.18	0.60	1.49	0.93	0.86	0.53	0.60	0.50	0.42
30	0.62	-----	1.15	0.80	0.73	1.58	0.86	0.88	1.00	0.69	-0.05	-0.21
31	0.60	-----	1.01	-----	0.90	-----	0.96	0.92	-----	0.70	-----	0.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.49	0.15	0.54	0.58	0.83	1.15	0.92	0.95	0.87	0.68	0.80	-0.04
MAX	0.89	0.80	1.58	1.20	1.33	1.58	1.55	1.80	1.34	1.31	2.65	1.12
MIN	0.00	-0.73	-0.52	-0.10	0.21	0.88	0.49	0.35	0.03	0.02	-0.05	-1.50
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 0.66.

HIGHEST STAGE WAS 2.74 AT 11:00 P.M. ON NOV 8.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 1.50 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU PETIT CAILLOU AT COCODRIE, LA.

LOCATION. LAT. 29-14-43, LONG. 90-39-48. ON LOUISIANA LAND AND EXPLORATION COMPANY WHARF ON NORTH BANK OF LITTLE COCODRIE BAYOU, 600 FEET WEST OF JUNCTION WITH BAYOU PETIT CAILLOU, AND AT THE END OF STATE HIGHWAY 56. (STA. 7630507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1987 GAGE ZERO WAS 0.19 FOOT NGVD.

RECORDS AVAILABLE. MAR. 1969 TO SEP. 8, 1974 AND JAN. 20, 1975 TO DATE.

EXTREMES. HIGHEST, 11.64 FEET (FROM HIGH WATER MARK) IN 1974. LOWEST, MINUS 2.95 FEET ON DEC. 23, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-0.32	-0.13	-0.14	-0.30	0.06	1.18	1.50	2.30	0.65	0.14	0.05	-0.64
2	-0.55	-0.40	0.10	0.00	0.19	1.17	1.41	1.10	0.30	0.18	0.14	-0.68
3	-0.65	-0.74	0.05	-0.17	0.49	1.19	1.29	0.70	0.16	-0.14	0.03	-1.05
4	-1.09	-1.09	-0.05	0.18	1.23	1.18	0.85	0.41	0.56	-0.03	0.32	-0.51
5	-0.64	-0.57	-0.13	-0.38	0.83	1.17	0.76	0.14	0.93	0.35	0.55	-0.44
6	-0.25	-0.52	-1.27	0.37	0.71	0.83	0.25	-0.10	0.93	0.55	0.80	-0.05
7	-0.21	-0.61	-1.18	0.19	0.55	0.91	0.42	0.16	1.05	0.55	0.92	0.05
8	0.01	-0.52	-0.83	0.28	0.37	0.92	0.43	0.24	0.96	0.56	1.25	-0.79
9	-0.04	-0.65	-0.78	0.51	0.57	0.43	0.47	0.55	1.03	0.84	0.50	-1.90
10	0.64	-0.07	-0.10	-0.06	-0.14	0.50	0.79	0.62	1.18	1.16	0.16	-1.30
11	0.54	0.06	-0.14	-0.60	-0.05	0.51	0.75	0.75	1.23	1.03	-0.25	-1.20
12	0.55	-0.10	-0.08	-0.22	-0.13	0.71	0.67	0.92	1.36	1.01	-0.19	-1.30
13	0.15	0.05	0.01	-0.20	0.39	0.84	0.63	1.09	1.41	0.74	7.66	-1.49
14	0.05	-0.26	0.01	-0.28	0.17	1.24	0.38	1.19	1.13	0.40	7.76	-1.05
15	-0.53	-0.55	-0.06	-0.19	0.46	1.00	0.81	1.10	0.58	0.43	0.35	-0.74
16	-1.00	-0.94	-0.23	0.00	0.57	0.65	0.69	1.01	0.00	0.32	-0.78	-1.21
17	-0.96	-0.92	-0.23	0.14	1.08	0.94	0.82	0.92	-0.15	0.38	0.07	-0.51
18	-0.73	-0.80	-0.22	0.34	1.15	0.89	0.87	0.58	-0.03	-0.09	0.13	-0.31
19	-0.42	-0.58	-0.43	0.36	1.70	0.87	0.64	0.18	0.35	-0.74	0.38	-0.28
20	-0.29	0.14	-0.04	0.15	1.05	0.68	0.47	0.23	0.42	-0.41	0.13	-0.57
21	-0.51	0.14	0.16	0.19	0.99	0.80	0.50	0.43	0.68	0.02	7.96	-0.85
22	0.00	-0.90	-0.08	0.56	0.83	0.71	0.34	0.90	0.67	0.19	8.13	-2.01
23	-0.06	-1.27	0.09	0.60	0.66	0.92	0.35	0.89	0.62	0.28	-0.92	-2.87
24	0.12	-0.80	0.33	0.49	0.44	0.88	0.46	0.85	0.57	0.18	-0.33	-2.20
25	0.02	-0.64	0.51	0.41	0.58	0.89	0.96	1.04	0.88	-0.12	-0.20	-1.91
26	0.25	-0.39	0.58	0.13	0.54	1.07	1.03	1.11	0.97	-0.07	5.55	-1.83
27	-0.07	0.17	0.63	0.20	0.01	1.49	1.02	1.14	0.72	-0.38	7.48	-1.39
28	0.13	0.07	0.58	0.01	-0.49	1.82	1.01	1.00	0.46	-0.13	-0.55	-1.30
29	0.14	-----	0.71	-0.10	0.13	1.52	1.21	1.04	0.60	-0.21	-1.32	-0.84
30	-0.08	-----	0.23	0.33	0.50	1.57	1.25	0.96	0.20	-0.21	-1.07	-0.53
31	-0.28	-----	-0.78	-----	0.94	-----	1.89	0.83	-----	-----	-----	-0.16

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-0.20	-0.46	-0.09	0.10	0.53	0.98	0.80	0.78	0.68	0.23	1.49	-1.03
MAX	0.64	0.17	0.71	0.60	1.70	1.82	1.89	2.30	1.41	1.16	8.13	0.05
MIN	-1.09	-1.27	-1.27	-0.60	-0.49	0.43	0.25	-0.10	-0.15	-0.74	-1.32	-2.87
DAYS	31	28	31	30	31	30	31	31	30	30	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364
 THE MEAN STAGE FOR THE YEAR WAS 0.32.
 HIGHEST STAGE WAS 2.34 AT 11:30 A.M. ON JUL 31.
 LOWEST STAGE WAS MINUS 2.95 ON DEC 23.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT HOUMA, LA.

LOCATION. LAT. 29-35-56, LONG. 90-42-37. ON WEST BANK 60 FEET SOUTH OF GRAND CALLIOU ROAD BRIDGE OVER THE INTRACOASTAL WATERWAY. (STA. 7632007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1977 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. JULY 18, 1941 TO MAR. 25, 1945, NOV. 6 TO 19, 1945, AND FEB. 27, 1946 TO DATE.

EXTREMES. HIGHEST, 5.17 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.80 FOOT ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.26	1.55	1.20	1.65	1.73	1.82	2.42	2.65	1.75	1.77	1.34	1.07
2	1.20	1.57	1.37	1.74	1.68	1.84	2.36	2.54	1.68	1.83	1.50	1.15
3	1.21	1.64	1.43	1.79	1.59	1.88	2.35	2.33	1.60	1.72	1.20	0.95
4	1.11	1.45	1.65	1.97	1.85	1.89	2.43	2.13	1.73	1.67	1.41	0.90
5	1.18	1.42	1.87	1.92	1.95	1.93	2.30	1.90	1.93	1.77	1.50	1.04
6	1.51	1.47	1.50	1.63	1.76	2.02	2.15	1.69	2.10	1.80	1.60	1.07
7	1.54	1.25	1.26	1.56	1.60	2.03	2.04	1.61	2.13	1.77	1.72	1.28
8	1.65	1.13	1.08	1.45	1.49	2.18	1.95	1.58	2.12	1.66	1.92	1.50
9	1.49	0.83	0.93	1.57	1.60	2.15	1.94	1.62	2.10	1.58	1.73	0.97
10	1.50	0.78	0.90	1.55	1.55	1.99	2.08	1.70	2.02	1.66	1.57	0.86
11	1.62	0.87	0.97	1.31	1.33	1.93	2.13	1.68	2.03	1.65	1.50	1.14
12	1.55	0.94	1.02	1.29	1.29	1.90	2.10	1.73	1.99	1.75	1.61	1.38
13	1.44	1.14	1.10	1.42	1.35	1.98	2.02	1.77	2.02	1.74	1.65	0.90
14	1.25	1.33	1.28	1.44	1.60	2.03	2.04	1.80	2.02	1.64	1.94	0.97
15	1.23	1.40	1.54	1.52	1.61	2.15	1.90	1.79	1.87	1.90	2.04	1.10
16	1.16	1.35	1.60	1.52	1.55	1.97	1.85	1.74	1.68	2.05	1.72	0.77
17	1.00	1.30	1.67	1.56	1.77	1.80	1.83	1.70	1.62	2.10	1.37	0.88
18	1.15	1.20	1.73	1.64	1.94	1.77	1.94	1.63	1.83	1.90	1.39	0.92
19	1.24	1.17	1.65	1.68	2.18	1.79	1.86	1.55	1.90	1.38	1.36	1.07
20	1.51	1.46	1.70	1.50	2.09	1.83	1.86	1.58	1.89	1.02	1.23	0.72
21	1.29	1.63	1.73	1.36	1.97	1.78	1.75	1.78	1.94	1.16	1.19	0.65
22	1.35	1.23	1.70	1.45	1.97	1.86	1.83	1.97	1.87	1.20	1.34	0.10
23	1.39	0.77	1.69	1.52	1.87	1.94	1.85	2.14	1.73	1.21	1.17	
24	1.41	0.53	1.55	1.55	1.76	2.04	1.97	2.04	1.34	1.22	0.94	-0.75
25	1.32	0.48	1.53	1.57	1.77	2.07	2.00	1.95	1.43	1.05	1.25	-0.19
26	1.40	0.62	1.59	1.54	1.87	2.13	2.10	1.90	1.62	1.12	1.30	0.11
27	1.34	0.91	1.66	1.53	1.80	2.35	2.08	1.86	1.62	1.10	1.45	0.37
28	1.27	1.20	1.75	1.60	1.55	2.53	2.05	1.77	1.68	1.27	1.64	0.55
29	1.47	-----	1.84	1.67	1.47	2.48	2.00	1.73	1.66	1.30	1.25	0.87
30	1.42	-----	2.00	1.67	1.62	2.48	1.97	1.74	1.78	1.47	0.97	1.14
31	1.44	-----	1.85	-----	1.75	-----	2.10	1.77	-----	1.43	-----	1.49

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.35	1.16	1.49	1.57	1.71	2.02	2.04	1.85	1.82	1.54	1.46	0.83
MAX	1.65	1.64	2.00	1.97	2.18	2.53	2.43	2.65	2.13	2.10	2.04	1.50
MIN	1.00	0.48	0.90	1.29	1.29	1.77	1.75	1.55	1.34	1.02	0.94	-0.75
DAYS	31	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

THE MEAN STAGE FOR THE YEAR WAS 1.58.

HIGHEST STAGE WAS 2.75 AT 3:00 P.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 0.80 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU BOEUF (IMW) AT BAYOU BOEUF LOCK (LA.) (EAST)

LOCATION. LAT. 29-40-59, LONG. 91-10-25. ON GUARDRAIL AT LANDSIDE END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7636010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 4.68 FEET ON APR. 17, 1973. LOWEST, MINUS 1.14 FEET ON DEC. 24, 1989. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.32	2.40	2.11	2.29	2.39	2.54	3.18	2.93	1.77	1.66	1.26	1.09
2	1.32	2.37	2.32	2.45	2.33	2.56	3.24	2.76	1.65	1.53	1.44	1.29
3	1.30	2.32	2.38	2.43	2.35	2.65	3.19	2.52	1.37	1.53	1.01	1.01
4	1.47	2.18	2.55	2.42	2.44	2.69	3.45	2.33	1.48	1.52	1.27	0.61
5	1.49	2.23	2.66	2.46	2.56	2.65	3.19	2.27	1.72	1.64	1.43	0.97
6	1.57	2.24	2.55	2.27	2.32	2.58	3.19	2.24	2.01	1.74	1.25	0.87
7	1.81	2.12	2.53	2.55	2.29	2.57	3.19	2.09	2.12	1.65	1.25	1.15
8	2.00	2.05	2.57	2.51	2.18	2.85	3.11	2.07	2.11	1.65	1.43	1.28
9	1.82	1.69	2.43	2.60	2.34	2.60	3.11	1.87	2.22	1.65	1.26	0.78
10	1.93	1.52	2.12	2.38	2.03	2.57	3.26	1.92	2.28	1.65	1.19	0.83
11	2.03	1.64	2.17	2.17	1.77	2.70	3.00	1.91	2.20	1.75	1.24	1.00
12	1.96	1.55	2.12	2.33	1.80	2.68	2.92	2.05	2.10	1.65	1.23	1.08
13	1.96	1.66	2.14	2.39	1.81	2.78	2.98	2.05	2.15	1.67	1.23	0.66
14	1.67	1.82	2.16	2.39	2.00	2.77	3.19	1.97	2.31	1.52	1.61	0.96
15	1.72	1.80	2.36	2.47	2.07	2.92	3.02	1.99	1.98	1.77	1.75	0.96
16	1.69	1.80	2.35	2.44	2.09	2.63	3.08	1.75	1.77	2.03	1.30	0.63
17	1.60	1.74	2.35	2.42	2.21	2.66	2.96	1.60	1.56	1.97	1.04	0.74
18	1.81	1.69	2.46	2.47	2.24	2.68	2.94	1.61	1.77	1.84	1.23	0.70
19	1.96	1.73	2.36	2.49	2.54	2.65	2.87	1.57	1.89	1.34	1.05	0.80
20	2.13	1.92	2.38	2.45	2.48	2.49	2.84	1.54	1.95	1.09	0.79	0.36
21	1.86	2.06	2.38	2.39	2.45	2.54	2.65	1.55	1.74	1.14	0.79	0.45
22	2.09	1.82	2.46	2.48	2.36	2.54	2.68	1.78	1.85	1.27	0.83	-0.20
23	2.19	1.62	2.46	2.48	2.37	2.61	2.74	2.03	1.77	1.21	1.04	-0.80
24	2.26	1.69	2.44	2.51	2.33	2.64	2.60	1.90	1.28	1.14	0.80	-1.11
25	2.25	1.75	2.37	2.48	2.37	2.73	2.59	1.89	1.44	1.02	1.18	-0.40
26	2.30	1.85	2.50	2.47	2.47	2.79	2.64	1.82	1.60	1.01	1.25	-0.08
27	2.35	1.98	2.47	2.40	2.38	2.88	2.68	1.74	1.59	1.02	1.39	0.06
28	2.36	2.09	2.47	2.45	2.26	2.98	2.57	1.60	1.56	1.13	1.61	0.20
29	2.34	-----	2.48	2.46	2.33	3.18	2.62	1.44	1.55	1.27	1.18	0.89
30	2.33	-----	2.55	2.34	2.38	3.12	2.56	1.68	1.61	1.38	0.87	1.12
31	2.38	-----	2.47	-----	2.48	-----	2.55	1.76	-----	1.57	-----	1.67

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.91	1.91	2.39	2.43	2.27	2.71	2.93	1.94	1.81	1.48	1.21	0.63
MAX	2.38	2.40	2.66	2.60	2.56	3.18	3.45	2.93	2.31	2.03	1.75	1.67
MIN	1.30	1.52	2.11	2.17	1.77	2.49	2.55	1.44	1.28	1.01	0.79	-1.11
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.97.

HIGHEST STAGE WAS 3.51 AT 1:00 P.M. ON JUL 4.

LOWEST STAGE WAS MINUS 1.14 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU BOEUF (1W) AT BAYOU BOEUF LOCK (LA.) (WEST)

LOCATION. LAT. 29-40-59, LONG. 91-10-34. ON GUARDRAIL AT FLOODWAY END OF LOCK, 2.5 MILES EAST OF MORGAN CITY, LA. (STA. 7640010.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS M.L.G.

RECORDS AVAILABLE. SEP. 8, 1954 TO DATE.

EXTREMES. HIGHEST, 10.56 FEET ON MAY 27, 1973. LOWEST, MINUS 1.98 FEET ON NOV. 8, 1959. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.86		4.88	5.15	4.48	4.60	5.49	5.01	2.49	1.34	1.69	1.58
2	1.98		5.02	5.38	4.25	4.64	5.76	4.30	2.35	1.59	1.96	1.57
3	2.23		5.17	5.40	4.27	4.68	5.68	4.11	2.26	1.48	1.66	1.23
4	2.10		5.25	5.61	4.32	4.67	5.89	3.97	2.71	1.40	1.74	1.01
5	2.78		5.38	5.47	4.55	4.71	5.60	3.62	2.65	1.53	1.85	1.15
6	2.94		5.28	5.31	3.97	4.37	5.66	3.28	2.74	1.64	2.00	1.27
7			5.21	5.16	3.83	4.46	5.50	3.14	2.71	1.61	1.99	1.18
8			5.09	5.30	3.63	4.94	5.69	3.13	2.82	1.22	2.04	1.31
9			5.29	5.16	3.96	4.35	5.89	3.08	2.82	1.13	1.51	0.77
10			5.08	5.07	3.39	4.30	6.03	3.21	2.84	1.52	1.47	0.96
11			5.16	4.91	3.28	4.50	5.40	2.75	2.86	1.06	1.53	1.26
12			5.26	4.90	3.21	4.27	5.24	2.90	2.63	1.26	1.49	1.14
13			5.30	5.02	3.50	4.51	5.31	2.80	2.67	0.96	1.57	0.63
14			5.35	5.11	3.62	4.44	5.58	2.79	2.79	0.83	1.90	0.89
15			5.43	5.12	3.62	4.57	5.40	3.12	2.31	0.97	2.11	1.22
16			5.58	5.08	3.59	4.13	5.31	2.32	2.02	1.37	1.55	0.51
17			5.53	5.07	3.80	4.33	5.30	2.69	1.98	1.39	1.31	0.58
18		3.27	5.62	5.14	3.91	4.45	5.47	2.19	1.82		1.52	0.63
19		3.40	5.42	5.12	4.06	4.40	5.52	2.09	1.92		1.33	0.85
20		3.60	5.57	5.02	4.28	4.33	5.39	2.07	2.12		1.29	0.17
21		3.75	5.56	4.99	4.12	4.49	5.21	2.08	2.21		1.09	0.24
22		3.77	5.71	5.09	4.05	4.50	5.01	2.30	2.19		1.15	-0.46
23		3.64	5.57	5.24	4.26	4.56	4.95	2.56	1.73		1.12	-1.04
24		3.91	5.63	5.06	4.41	4.71	4.94	2.42	1.16		1.07	-1.47
25		3.99	5.54	4.97	4.34	4.75	4.75	2.44	1.91		1.26	-0.62
26		4.25	5.37	4.86	4.48	4.82	4.51	2.44	2.02	1.44	1.43	-0.41
27		4.35	5.48	4.63	4.29	5.15	4.56	2.31	1.82	1.48	1.57	-0.21
28		4.67	5.46	4.64	4.40	5.58	4.52	2.47	1.74	1.65	1.80	-0.07
29		-----	5.49	4.61	4.39	5.49	4.53	2.47	1.42	1.75	1.63	0.73
30		-----	5.45	4.44	4.52	5.57	4.41	2.34	1.42	1.70	1.04	1.01
31		-----	5.35	-----	4.70	-----	4.30	2.45	-----	2.09	-----	1.62

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.31	3.87	5.37	5.07	4.05	4.64	5.25	2.87	2.24	1.41	1.56	0.62
MAX	2.94	4.67	5.71	5.61	4.70	5.58	6.03	5.01	2.86	2.09	2.11	1.62
MIN	1.86	3.27	4.88	4.44	3.21	4.13	4.30	2.07	1.16	0.83	1.04	-1.47
DAYS	6	11	31	30	31	30	31	31	30	23	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 315

THE MEAN STAGE FOR THE YEAR WAS 3.36.

HIGHEST STAGE WAS 6.03 AT 8:00 A.M. ON JUL 10.

LOWEST STAGE WAS MINUS 1.50 ON DEC 24.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT MAX LAKE EAST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-27, LONG. 91-19-22. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT MAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7644010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO JULY 17, 1979, AND JUNE 22, 1982 TO DATE.

EXTREMES. HIGHEST, 8.52 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.08 FEET ON JAN. 11, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		3.60	3.77	3.63	3.34	3.70	4.36	4.60	2.28	2.40		
2		3.49	3.95	3.94	3.17	3.85	4.44	3.49	2.02	2.29		
3	F 1.20	3.45	4.02	3.87	3.43	3.88	4.30	3.11		2.20		
4	1.25	3.11		4.05	3.59	3.89	4.37	2.90	2.08	2.23		
5	1.83	3.31 F	4.08	3.77	4.08	3.91	4.22	2.64	2.30	2.39		
6	2.67	3.30	3.90	3.55	3.12	3.60	4.13	2.33	2.52	2.59		
7	2.35	3.05	3.90	3.84	3.10	3.55	4.12	2.20	2.53	2.50		
8	2.72	3.15	3.93	4.01	3.12	4.55	4.05	2.30	2.43	2.22		
9	2.20	2.56 F	3.87	3.88	3.44	3.39	4.10	2.15	2.49			
10	2.78	2.64 F	4.00	3.61	2.53	3.42	4.26	2.38	2.41	2.44		
11	2.85	2.76	4.07	3.40	2.30	3.69	4.25	2.20	2.50	2.26		
12	2.57	2.60	4.02	3.66	2.40	3.60	4.17	2.44	2.45	2.37		
13	2.32	2.84	4.00	3.73	2.63	3.69	4.15	2.40	2.43	2.20		
14	1.85	2.91	4.07	3.80	2.84	3.76	4.39	2.54	2.62 F	2.25		
15	2.14	2.84	4.19	3.85	2.89	3.83	4.22	2.48	2.04	2.35		
16	1.80	2.87	4.16	3.80	3.10	3.27	4.15	2.43 F	2.00	2.65		
17	1.73	2.79	4.18	3.94	3.42	3.50	3.95	2.47 F	2.00	2.67		
18	2.24	2.85	4.20	3.89	3.40	3.59	4.07	2.17	2.07	2.64		
19	2.85	2.94	4.10	3.88	3.77	3.59	4.03	1.90	2.39	2.14		
20	3.06	3.36	4.15	3.76	3.47	3.40	3.94	1.95	2.41			
21	2.51	3.40	4.13	3.74	3.53	3.57	3.73	2.12	2.60			
22	3.34	3.04	4.05	3.87	3.40	3.50	3.77	2.44	2.43			
23	3.36	2.99	4.09	3.97	3.39	3.60	3.75	2.77	2.27			
24	3.50	3.16	4.10	3.90	3.35	3.68	3.60	2.57				
25	3.35	3.30	4.09	3.84	3.49	3.79	3.43	2.33	2.05			
26	3.44	3.45	4.08	3.74	3.54	3.85	3.55	2.43	2.32			
27	3.43	3.69	4.05	3.65	3.37	4.25	3.40	2.46	2.21			
28	3.42	3.77	4.00	3.61	3.17	4.68	3.33	2.27	2.25			
29	3.70	-----	4.03	3.57	3.28	4.45	3.43	2.17	2.14			
30	3.61	-----	4.00	3.39	3.47	4.42	3.40	2.18				
31	3.60	-----	3.83	-----	3.60	-----	3.25	2.35	-----	-----		

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.68	3.11	4.03	3.77	3.25	3.78	3.95	2.49	2.31	2.38		
MAX	3.70	3.77	4.20	4.05	4.08	4.68	4.44	4.60	2.62	2.67		
MIN	1.20	2.56	3.77	3.39	2.30	3.27	3.25	1.90	2.00	2.14		
DAYS	29	28	30	30	31	30	31	31	27	18	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 285

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 3.22.

HIGHEST STAGE WAS 5.13 AT 1:00 P.M. ON JUN 28.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

MAX LAKE EAST BORROW PIT (LS) NEAR CALUMET, LA. (NORTH)

LOCATION. LAT. 29-42-08, LONG. 91-22-04. EAST WALL AT NORTH END OF SIPHON UNDER BAYOU TECHE, 300 FEET EAST OF EAST CALUMET FLOODGATE. (STA. 7646010.)

GAGE. STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1970, 1972, AND 1974 TO DATE.

STAGE IN FEET							GAGE ZERO IS AT NGVD (1983 ADJ.)					
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								-2.15				
2	-2.40											
3												
4				-2.10	-2.30							-2.20
5									-2.30			
6						-2.20	-2.12					
7		-2.40	-2.30							-2.10		
8												
9								-2.30				
10	-2.40											
11												
12					-2.11				-2.60			-2.31
13						-1.95				-2.50		
14		-2.40									-2.00	
15								-2.30				
16					-2.04							
17	-2.40		-2.35							-2.40		
18							-0.52					
19									-2.60			-2.10
20						-1.90						
21			-2.30								-2.38	
22		-2.40						-2.30				
23					-2.20							
24				-2.11						-2.40		
25							-2.25					
26	-2.37								-2.60			
27												-2.18
28		-2.30									-2.20	
29		-----										
30		-----			-2.05							
31	-2.40	-----	-2.18	-----		-----			-----	-2.40	-----	

DAILY STAGE FOR 1989

MAX LAKE EAST DRAINAGE AREA AT CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-38-32, LONG. 91-19-22. ON LANDSIDE (NORTH) FACE OF STRUCTURE AT MAX LAKE EAST PROTECTION LEVEE, 4.7 MILES SOUTHEAST OF CALUMET, LA. (STA. 7648010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 19, 1955 TO DATE.

EXTREMES. HIGHEST, 2.15 FEET ON MAY 3, 1957. LOWEST, MINUS 3.70 FEET ON JUN. 3, 1986.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-2.11	-2.12	-1.87	-1.71	-1.60	-1.65		-1.91	-1.56	-1.57	-1.95	-1.99
2	-2.06	-2.22	-1.84	-1.69	-1.99	-2.19		-1.41	-1.51	-1.67	-1.75	-2.21
3	-1.98	-2.31	-1.87	-1.68	-2.01	-2.22		-2.38	-1.50	-2.00	-1.55	-2.02
4	-1.95	-2.23	-2.04	-1.87	-1.94	-2.03		-1.66	-1.49	-1.68	-2.19	-1.95
5	-1.93	-2.19	-1.96	-1.96	-1.79	-1.57		-1.87	-1.91	-1.61	-2.09	-1.87
6	-2.28	-2.13	-1.91	-1.92	-1.72	-1.96		-1.83	-2.14	-2.19	-2.02	-1.82
7	-2.23	-2.10	-1.88	-1.88	-1.70			-1.88	-2.03	-2.01	-1.97	-2.23
8	-2.19	-2.07	-1.86	-1.85	-1.69			-1.45	-1.96	-1.90	-1.51	-1.55
9	-2.17	-2.05	-1.84	-1.83	-1.69			-1.89	-1.91	-1.83	-1.71	-2.47
10	-2.06	-2.05	-1.94	-1.81	-1.68			-1.68	-1.88	-1.78	-2.12	-1.97
11	-2.03	-2.05	-2.20	-1.80	-1.69			-1.58	-1.79	-1.77	-1.86	-1.95
12	-2.01	-2.05	-2.15	-1.80	-1.71			-1.72	-2.22	-1.76	-1.72	-2.04
13		-2.03	-2.10	-1.80	-1.72			-2.10	-1.44	-1.74	-1.63	-1.91
14		-2.02	-2.07	-1.79	-1.92			-1.97	-1.60	-2.27	-1.49	-2.10
15		-2.01	-2.03	-1.70	-1.74			-1.89	-1.42	-2.19	-1.91	-1.88
16		-1.99	-2.00	-1.68	-1.67			-1.83	-1.81	-2.16	-1.95	-2.24
17		-1.95	-1.99	-2.12	-1.65			-1.80	-1.57	-2.11	-2.02	-2.06
18		-1.93	-1.98	-2.00	-1.88			-1.86	-1.79	-1.72	-1.84	-1.84
19	-1.88	-1.92	-1.96	-1.94	-1.50			-1.87	-2.08	-1.64	-1.76	-2.16
20	-1.68	-1.92	-1.95	-1.93	-2.18			-1.85	-1.93	-1.63	-2.22	-1.97
21	-1.96	-1.91		-1.90	-1.74			-1.83	-1.84	-1.77	-2.08	-1.84
22	-2.11	-1.88	-1.87	-1.82	-2.08			-1.83	-1.79	-1.91	-1.98	-2.39
23	-1.96	-1.89	-1.86	-1.78	-1.93			-1.81	-1.76	-1.86	-1.93	-2.36
24	-1.86	-1.89	-1.90	-1.75	-1.80			-1.65	-1.74	-1.84	-2.02	-2.35
25	-1.89	-1.89	-2.03	-1.74	-1.74			-1.95	-1.69	-1.83	-1.84	-2.34
26	-2.05	-1.90	-1.92	-1.73	-1.71			-1.81	-2.16	-1.82	-2.31	-2.25
27	-1.96	-1.90	-1.78	-1.72	-1.69		-1.98	-1.75	-2.09	-1.81	-2.15	-2.19
28	-1.91	-1.88	-1.71	-1.72	-1.67		-1.85	-1.59	-2.04	-1.81	-1.91	-1.85
29	-1.87	-----	-1.68	-1.70	-1.69		-1.77	-2.27	-1.44	-2.03	-1.71	-2.08
30	-1.96	-----	-1.85	-1.69	-1.68		-1.87	-1.87	-1.55	-2.00	-2.25	-2.17
31	-2.20	-----	-1.74	-----	-1.67	-----	-1.73	-1.66	-----	-1.98	-----	-2.28

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-2.01	-2.02	-1.93	-1.81	-1.77	-1.94	-1.84	-1.82	-1.79	-1.87	-1.91	-2.08
MAX	-1.68	-1.88	-1.68	-1.68	-1.50	-1.57	-1.73	-1.41	-1.42	-1.57	-1.49	-1.55
MIN	-2.28	-2.31	-2.20	-2.12	-2.18	-2.22	-1.98	-2.38	-2.22	-2.27	-2.31	-2.47
DAYS	25	28	30	30	31	6	5	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 308

THE MEAN STAGE FOR THE YEAR WAS MINUS 1.90.

HIGHEST STAGE WAS MINUS 1.30 AT 4:00 A.M. ON MAY 19 AND LATER DATE(S).

LOWEST STAGE WAS MINUS 2.54 ON DEC 9.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT WAX LAKE WEST CONTROL STRUCTURE (LA.)

LOCATION. LAT. 29-40-17, LONG. 91-26-58. ON FLOODWAY SIDE (SOUTH) FACE OF STRUCTURE AT WAX LAKE WEST PROTECTION LEVEE, FIVE MILES SOUTHWEST OF CALUMET, LA. (STA. 7656010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. STAGE, JULY 19, 1955 TO NOV. 18, 1975 AND JAN. 20, 1976 TO DATE.

EXTREMES. HIGHEST, 7.35 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.38 FEET ON JAN. 13, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.95	2.22	2.12	2.10	2.61	3.35	4.12	2.07	1.82	0.96	0.87
2		1.80	2.50	2.75	1.95	2.76	3.40	2.95	1.73	1.70	1.33	0.89
3	F 0.80	1.85	2.55	2.66	2.42	2.80	3.20	2.46	1.43	1.47	0.70	0.28
4	0.55	1.25	2.83	2.90	2.75	3.05	3.23	2.29	1.90	1.40	1.37	0.84
5	1.12	1.68	2.97	2.25	3.46	3.11	3.00	1.99	2.13	1.84	1.75	0.95
6	1.42	1.65	2.28	2.24	2.20	2.63	2.82	1.47	2.26	2.10	1.84	0.89
7	1.25	1.42	2.28	2.60	2.10	2.30	2.80	1.50	2.32	2.07	1.75	0.86
8	1.50	1.75	2.43	2.88	2.29 F	3.43	2.74	1.60	2.17	1.46	1.73	0.44
9	0.94	0.99	2.30	2.69	2.90	2.22	2.80	1.64	2.18	1.55	0.43	-0.21
10		1.50	2.47	2.05	1.50	2.15	3.05	1.96	2.13	2.00	0.67	0.30
11		1.78	2.60	1.74	1.08	2.85	3.05	1.70	2.18	1.70	0.72	0.76
12		1.43	2.54	2.25	1.27	2.64	2.94	2.05	2.08	1.86	0.80	0.17
13		1.70	2.55	2.40	1.76	2.79	2.86	1.99	2.14	1.50	0.95	0.05
14		1.59	2.58	2.50	1.95	2.93	3.16	2.17	2.33	1.23	1.35	0.75
15		1.56	2.73	2.60	1.95	2.87	3.03	2.12	1.36	1.75	1.78	1.10
16		1.53	2.67	2.44	2.27	2.15	3.00	2.11	1.03	2.13	0.35	-0.12
17	F 1.10	1.30	2.80	2.68	2.86	2.46	2.83	2.31	1.25	2.00	0.95	0.83
18	F 1.20	1.36	2.80	2.65	2.87	2.68	2.87	1.88	1.45	1.18	1.45	0.84
19	1.73	1.55	2.63	2.67		2.65	2.89	1.66	1.92	0.61	1.15	0.79
20	1.83	2.18	2.80	2.35		2.30	2.87	1.84	2.08	1.15	0.82	-0.15
21	1.23	2.16	2.75	2.34		2.56	2.46	1.98	2.37	1.40	0.83	0.12
22	1.94	1.45	2.55	2.65		2.47	2.65	2.27	1.94	1.30	1.10	
23	2.04	1.20	2.57	2.83		2.62	2.69	2.62	1.85	1.33	-0.18	
24	2.26	1.50	2.68	2.68		2.63	2.40	2.39	1.03	1.14	0.16	
25	2.10	1.73	2.84	2.62		2.70	2.25	2.14	1.79	0.89	0.90	
26	2.14	1.93	2.76	2.47		2.81	2.54	2.23	1.87	0.92	0.77	
27	2.00	2.26	2.75	2.38		3.54	2.50	2.22	1.52	0.77	0.87 F	-0.45
28	1.96	2.26	2.74	2.38		3.75	2.49	2.00	1.69	1.00	1.08	-0.10
29	2.06	-----	2.84	2.40		F 3.55	2.63	1.90	1.34	1.05	0.15	0.37
30	1.91	-----	2.75	2.12 F	2.35	3.42	2.60	1.98	1.36	1.12	0.24	0.74
31	1.77	-----	2.37	-----	2.44	-----	2.59	2.17	-----	1.25	-----	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.58	1.65	2.62	2.48	2.22	2.78	2.83	2.12	1.83	1.44	0.96	0.51
MAX	2.26	2.26	2.97	2.90	3.46	3.75	3.40	4.12	2.37	2.13	1.84	1.35
MIN	0.55	0.99	2.22	1.74	1.08	2.15	2.25	1.47	1.03	0.61	-0.18	-0.45
DAYS	22	28	31	30	20	30	31	31	30	31	30	26

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 340

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.94.

HIGHEST STAGE WAS 4.14 AT 8:30 A.M. ON AUG 1.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1969
FRESHWATER CANAL ABOVE BEEF RIDGE (LA.)

LOCATION. LAT. 29-33-18, LONG. 92-18-19. ABOUT 200 FEET NORTH OF FRESHWATER BAYOU LOCK.
(STA. 7659017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 13, 1963 TO JAN. 8, 1966, AND FEB. 23, 1967 TO DATE. PRIOR TO JULY 25, 1967, GAGE WAS LOCATED AT BELLE ISLE CANAL.

EXTREMES. HIGHEST, 7.45 FEET ON SEP. 16, 1971 (CAUSED BY HURRICANE). LOWEST (FROM INCOMPLETE RECORD) MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	1.70 G	2.00 G	1.60 G	2.00 G	1.95 G	3.42 G	3.22 G	4.40 G	2.44 G	2.49 G	2.60 G	2.35
2 G	1.68 G	1.90 G	2.10 G	3.80 G	2.15 G	3.30 G	3.00 G	3.40 G	2.31 G	2.55 G	2.70 G	2.10
3 G	1.70 G	2.15 G	2.50 G	3.10 G	3.15 G	2.95 G	2.40	2.80 G	2.12 G	2.32 G	2.20 G	1.59
4 G	1.65 G	1.35 G	3.30 G	3.55 G	3.42 G	2.80 G	2.50 G	2.60 G	2.70 G	2.45 G	2.70 G	1.75
5 G	2.42 G	2.08 G	2.70 G	2.30 G	3.30 G	2.13 G	2.25 G	2.30 G	3.25 G	3.29 G	3.50 G	1.99
6 G	2.35 G	2.35 G	-0.50 G	1.75 G	1.70 G	2.10 G	2.22 G	2.20 G	3.65 G	3.48 G	3.20 G	1.85
7 G	2.80 G	1.27 G	1.27 G	1.99 G	1.50 G	2.05 G	2.25 G	2.10 G	3.59 G	3.18 G	2.65 G	2.10
8 G	3.30 G	2.05 G	1.75 G	1.55 G	1.30 G	2.55 G	2.29 G	2.18 G	3.55 G	2.75 G	2.72 G	1.80
9 G	2.60 G	1.00 G	1.10 G	1.85 G	1.88 G	1.80 G	2.59 G	2.30 G	3.57 G	2.85 G	1.92 G	0.40
10 G	3.20 G	1.15 G	1.15 G	1.80 G	1.50 G	2.49 G	3.30 G	3.07 G	3.29 G	3.38 G	2.10 G	1.75
11 G	3.25 G	1.65 G	1.10 G	0.75 G	1.18 G	3.33 G	3.29 G	2.95 G	3.39 G	3.08 G	2.35 G	2.60
12 G	2.50 G	1.05 G	1.00 G	2.00 G	2.20 G	3.34 G	3.00 G	3.20 G	3.20 G	3.32 G	2.60 G	1.70
13 G	2.27 G	2.05 G	0.80 G	2.00 G	2.62 G	3.45 G	2.88 G	3.08 G	3.20 G	3.19 G	3.10 G	1.00
14 G	2.50 G	1.85 G	1.60 G	2.15 G	2.99 G	3.60 G	2.45 G	2.85 G	3.20 G	3.05 G	3.10 G	2.49
15 G	1.60 G	2.00 G	2.10 G	2.43 G	2.41 G	2.90	2.78 G	2.55 G	2.10 G	3.70 G	3.30 G	2.65
16 G	1.55 G	1.86 G	2.10 G	2.25 G	2.68 G	1.85	2.50 G	2.50 G	1.90 G	3.80 G	1.10 G	1.00
17 G	1.85 G	1.48 G	2.70 G	2.87 G	3.75 G	2.27	2.20 G	2.60 G	2.50 G	3.51 G	1.85 G	2.30
18 G	2.25 G	1.63 G	2.70 G	2.75 G	4.00 G	2.60	2.10 G	2.20 G	2.85 G	2.32 G	3.20 G	2.40
19 G	2.80 G	2.05 G	2.20 G	2.55 G	3.48 G	1.80 G	2.15 G	1.95 G	3.35 G	0.19 G	2.90 G	2.20
20 G	2.60 G	2.80 G	3.00 G	1.50 G	2.75 G	1.39 G	2.20 G	2.13 G	3.27 G	1.21 G	2.27 G	1.00
21 G	1.60 G	2.80 G	2.20 G	1.50 G	2.60 G	1.40 G	2.15 G	2.50 G	3.30 G	2.50 G	2.12 G	1.75
22 G	2.60 G	0.70 G	1.40 G	1.50 G	2.00 G	1.37 G	2.25 G	3.17 G	3.05 G	2.78 G	2.40 G	0.60
23 G	2.60 G	-0.40 G	0.80 G	1.70 G	2.25 G	2.05	2.81 G	3.60 G	2.75 G	2.95 G	1.13 G	-2.40
24 G	3.05 G	0.80 G	1.50 G	2.05 G	1.64 G	2.60	2.55 G	3.24 G	0.90 G	2.80 G	1.97 G	-0.40
25 G	2.60 G	1.00 G	1.95 G	1.90 G	2.18 G	2.85	2.92 G	3.15 G	2.10 G	2.60 G	2.97 G	0.40
26 G	2.35 G	1.10 G	1.90 G	1.60 G	2.35 G	3.30	3.42 G	3.10 G	2.32 G	2.65 G	2.45 G	1.30
27 G	2.08 G	1.90 G	2.20 G	1.74 G	2.04 G	3.20	3.40 G	2.99 G	2.60 G	2.45 G	2.35 G	1.50
28 G	2.30 G	1.70 G	2.50 G	1.70 G	1.71	3.10	3.20 G	2.60 G	2.60 G	2.75 G	2.47 G	1.70
29 G	2.20	----- G	2.75 G	1.82 G	2.00	3.35	3.00 G	2.60 G	2.60 G	2.84 G	1.35 G	2.70
30 G	1.65	----- G	2.00 G	1.99 G	2.78	3.40	2.90 G	2.50 G	1.93 G	2.40 G	1.23 G	2.70
31 G	1.60	----- G	1.90	----- G	3.22	-----	2.90 G	2.51	----- G	2.30	----- G	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.30	1.62	1.85	2.08	2.41	2.62	2.68	2.75	2.79	2.75	2.42	1.61
MAX	3.30	2.80	3.30	3.80	4.00	3.60	3.42	4.40	3.65	3.80	3.50	3.00
MIN	1.55	-0.40	-0.50	0.75	1.18	1.37	2.10	1.95	0.90	0.19	1.10	-2.40
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.33.

HIGHEST STAGE WAS 4.40 AT 8 A.M. ON AUG 8.

LOWEST STAGE WAS MINUS 2.40 ON DEC 23.

DAILY STAGE FOR 1989

FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (LA.) (NORTH)

LOCATION. LAT. 29-33-16, LONG. 92-18-20. ON NORTH SIDE OF LOCK. (STA. 7659217.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 5.20 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 2.9 FEET ON JAN. 8, 1970 AND JAN. 15, 1972.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	2.20 G	2.30 G	1.60 G	2.00 G	2.10 G	2.95 G	3.35 G	4.40 G	2.30 G	2.10 G	2.80 G	2.30
2 G	2.00 G	2.20 G	2.10 G	3.80 G	2.20 G	2.70 G	3.10 G	3.40 G	2.20 G	2.60 G	2.80 G	2.10
3 G	2.00 G	2.40 G	2.50 G	3.20 G	2.80 G	2.40 G	2.40 G	2.80 G	2.20 G	2.40 G	2.30 G	1.60
4 G	1.80 G	1.20 G	3.30 G	3.40 G	3.40 G	2.35 G	2.40 G	2.60 G	2.70 G	2.50 G	2.70 G	1.60
5 G	2.80 G	2.60 G	2.70 G	2.10 G	2.50 G	2.10 G	2.30 G	2.30 G	3.20 G	3.20 G	3.40 G	2.20
6 G	3.30 G	2.40 G	-0.50 G	1.00 G	1.50 G	2.10 G	2.20 G	2.20 G	3.80 G	3.60 G	3.20 G	2.40
7 G	3.20 G	1.30 G	1.00 G	1.50 G	1.40 G	2.10 G	2.40 G	2.10 G	3.60 G	3.30 G	2.70 G	2.30
8 G	3.00 G	1.40 G	0.90 G	1.00 G	1.20 G	2.60 G	2.50 G	2.30 G	3.80 G	2.80 G	3.10 G	1.80
9 G	2.75 G	1.10 G	0.60 G	1.80 G	1.70 G	1.50 G	2.60 G	2.25 G	3.60 G	2.85 G	2.20 G	0.40
10 G	2.90 G	1.10 G	0.80 G	1.80 G	1.80 G	2.40 G	3.30 G	3.05 G	3.30 G	3.40 G	2.40 G	1.90
11 G	3.10 G	1.60 G	1.10 G	0.80 G	1.20 G	3.30 G	3.30 G	2.95 G	3.20 G	3.40	G	2.60
12 G	2.40 G	1.30 G	1.00 G	2.20 G	2.10 G	3.20 G	2.80 G	3.10 G	2.90 G	3.30 G	2.70 G	1.70
13 G	2.40 G	2.20 G	1.00 G	2.20 G	2.50 G	3.40 G	2.80 G	2.90 G	2.95 G	3.10 G	3.10 G	1.00
14 G	2.65 G	2.10 G	1.60 G	2.30 G	3.00 G	3.40 G	2.40 G	2.70 G	2.90 G	2.80 G	3.30 G	2.50
15 G	1.80 G	2.40 G	2.10 G	2.50 G	2.40 G	3.00	2.60 G	1.90 G	1.80 G	3.70 G	3.60 G	2.70
16 G	1.80 G	2.10 G	2.10 G	2.30 G	2.50 G	1.90	2.60 G	2.00 G	1.65 G	3.80 G	1.10 G	0.90
17 G	1.85 G	1.80 G	2.70 G	2.50 G	3.50 G	2.20	2.20 G	2.20 G	2.10 G	3.50 G	1.80 G	2.40
18 G	2.40 G	1.80 G	2.70 G	2.50 G	4.00 G	2.70	1.80 G	1.80 G	2.85 G	2.45 G	3.20 G	2.40
19 G	2.90 G	2.00 G	2.20 G	2.10 G	3.30 G	1.80 G	2.40 G	1.80 G	3.40 G	0.10 G	3.00 G	2.30
20 G	2.80 G	2.80 G	3.00 G	1.20 G	2.65 G	1.80 G	2.20 G	2.00 G	2.90 G	1.10 G	2.40 G	1.00
21 G	1.50 G	2.80 G	2.20 G	1.20 G	2.20 G	1.40 G	2.10 G	2.50 G	3.40 G	2.50 G	2.30 G	1.80
22 G	2.75 G	0.70 G	1.40 G	1.30 G	1.90 G	1.40 G	2.30 G	3.20 G	2.95 G	2.90 G	2.50 G	0.00
23 G	2.60 G	-0.40 G	0.80 G	1.65 G	1.80 G	2.10 G	2.80 G	3.60 G	2.80 G	3.00 G	0.60 G	-2.40
24 G	3.20 G	0.80 G	1.50 G	1.70 G	1.50 G	2.60 G	2.60 G	3.20 G	0.90 G	2.90 G	2.00 G	-0.40
25 G	2.40 G	1.00 G	1.95 G	1.10 G	2.00 G	2.80 G	3.00 G	3.00 G	1.80 G	2.70 G	3.00 G	0.40
26 G	2.40 G	1.10 G	1.90 G	1.70 G	2.60 G	3.30 G	3.60 G	3.00 G	2.00 G	2.70 G	2.50 G	1.30
27 G	2.20 G	1.90 G	2.20 G	1.25 G	2.00 G	3.95 G	3.40 G	2.80 G	2.50 G	2.60 G	2.30 G	1.50
28 G	2.20 G	1.70 G	2.50 G	1.80 G	1.70	3.90 G	3.00 G	2.60 G	2.40 G	2.90 G	2.50 G	1.70
29 G	2.40	----- G	2.75 G	2.00 G	2.00	3.35 G	2.90 G	2.20 G	2.60 G	2.80 G	1.30 G	2.70
30 G	1.80	----- G	2.00 G	2.25 G	3.00	3.90 G	2.80 G	2.35 G	1.90 G	2.90 G	1.30 G	2.70
31 G	1.80	----- G	1.90	----- G	3.20	----- G	3.00 G	2.30	----- G	2.15	----- G	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.43	1.70	1.79	1.94	2.31	2.62	2.68	2.63	2.69	2.78	2.49	1.63
MAX	3.30	2.80	3.30	3.80	4.00	3.95	3.60	4.40	3.80	3.80	3.60	3.00
MIN	1.50	-0.40	-0.50	0.80	1.20	1.40	1.80	1.80	0.90	0.10	0.60	-2.40
DAYS	31	28	31	30	31	30	31	31	30	31	29	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 364

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.31.

HIGHEST STAGE WAS 4.40 ON AUG 1.

LOWEST STAGE WAS MINUS 2.54 ON DEC 23.

DAILY STAGE FOR 1989

FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (I.A.) (SOUTH)

LOCATION. LAT. 29-33-09, LONG. 92-18-21. ON SOUTH SIDE OF LOCK. (STA. 7659317.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1968 TO DATE.

EXTREMES. HIGHEST, 6.90 FEET ON AUG. 1, 1989. LOWEST, MINUS 5.0 FEET ON JAN. 20, 1985.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G. (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 G	1.40 G	1.90 G	2.65 G	2.10 G	1.65 G	3.40 G	3.45 G	5.00 G	2.40 G	1.60 G	1.10 G	0.35
2 G	1.65 G	1.40 G	1.65 G	2.30 G	1.85 G	3.00 G	3.35 G	3.20 G	2.05 G	1.72 G	0.25 G	0.25
3 G	1.20 G	1.40 G	2.10 G	1.40 G	2.14 G	3.15 G	3.05 G	3.15 G	1.80 G	1.70 G	1.30 G	-0.60
4 G	1.30 G	0.00 G	1.70 G	1.60 G	3.50 G	3.15 G	2.25 G	2.95 G	2.40 G	1.55 G	1.75 G	1.20
5 G	0.45 G	0.20 G	0.20 G	1.17 G	2.70 G	3.90 G	2.70 G	2.45 G	2.65 G	2.22 G	2.22 G	1.70
6 G	0.05 G	-0.70 G	-0.50 G	2.24 G	2.69 G	3.05 G	2.30 G	2.10 G	2.90 G	2.65 G	2.40 G	2.30
7 G	0.30 G	-0.15 G	-0.20 G	2.97 G	2.78 G	3.48 G	2.60 G	2.35 G	3.05 G	2.55 G	2.85 G	2.50
8 G	0.00 G	0.90 G	0.55 G	3.29 G	3.50 G	4.80 G	2.60 G	2.00 G	2.95 G	2.30 G	2.95 G	0.30
9 G	0.50 G	1.85 G	0.65 G	2.75 G	3.27 G	2.30 G	2.58 G	2.00 G	3.10 G	2.94 G	2.45 G	-0.60
10 G	2.00 G	2.00 G	1.50 G	1.90 G	2.35	2.53 G	3.05 G	2.60 G	3.05 G	3.05 G	1.90 G	0.15
11 G	2.30 G	2.50 G	2.10 G	2.15 G	2.70 G	3.15 G	3.05 G	2.60 G	2.80 G	3.00 G	1.40 G	-0.40
12 G	3.00 G	2.35 G	2.49 G	1.80 G	2.75 G	2.80 G	2.65 G	3.00 G	3.10 G	2.85 G	0.90 G	-2.30
13 G	1.80 G	2.45 G	2.70 G	1.90 G	2.88 G	2.90 G	2.55 G	3.00 G	3.15 G	2.15 G	0.22 G	-1.35
14 G	2.85 G	1.90 G	1.80 G	1.90 G	2.80 G	3.48 G	2.55 G	3.00 G	2.50 G	1.95 G	0.60 G	-0.35
15 G	1.60 G	1.50 G	1.40 G	1.65 G	2.70 G	2.20	2.77 G	2.85 G	1.68 G	2.25 G	0.70 G	0.10
16	0.50 G	0.54 G	1.05 G	1.80 G	2.30 G	1.95	2.35 G	2.65 G	1.65 G	2.20 G	-0.30 G	-0.10
17 G	1.45 G	0.05 G	1.20 G	1.85 G	3.15 G	2.52 G	2.60 G	2.90 G	1.45 G	1.50 G	1.70 G	1.20
18 G	2.90 G	0.10 G	1.20 G	2.15 G	3.30 G	2.90 G	2.75 G	2.40 G	1.70 G	0.30 G	1.90 G	2.00
19 G	3.10 G	0.50 G	1.10 G	1.94 G	3.10 G	2.70 G	2.40 G	2.00 G	2.00 G	0.10 G	2.30 G	1.40
20 G	2.00 G	1.40 G	1.40 G	1.79 G	2.89 G	2.70 G	2.60 G	2.20 G	2.10 G	1.00 G	2.00 G	1.40
21 G	3.15 G	0.35 G	1.90 G	1.91 G	3.10 G	3.00 G	2.40 G	2.40 G	2.70 G	0.85 G	1.80 G	1.10
22 G	2.85 G	0.30 G	1.90 G	2.53 G	3.20 G	3.08 G	2.90 G	2.90 G	2.30 G	2.20 G	2.05 G	-2.20
23 G	0.90 G	-0.20 G	1.80 G	3.02 G	3.43 G	3.35 G	2.70 G	2.85 G	2.60 G	2.40 G	0.15 G	-1.90
24 G	1.45 G	0.95 G	2.30 G	3.00 G	3.30 G	3.50 G	2.30 G	2.80 G	2.30 G	2.00 G	1.30 G	-0.30
25 G	1.55 G	1.65 G	2.80 G	3.20 G	3.65 G	3.35 G	3.10 G	2.60 G	2.60 G	1.90 G	1.10 G	-0.80
26 G	1.70 G	1.65 G	3.20 G	2.75 G	3.70 G	3.50 G	3.50 G	2.90 G	2.50 G	1.90 G	1.00 G	-1.20
27 G	1.75 G	2.00 G	3.30 G	3.00 G	2.65 G	4.30 G	3.00 G	3.10 G	2.25 G	1.40 G	0.80 G	-0.80
28 G	2.75 G	2.15 G	3.70 G	2.70 G	2.45	4.15 G	2.65 G	2.60 G	2.15 G	1.50 G	0.00 G	-0.90
29 G	2.15	----- G	3.55 G	2.20 G	2.60	3.00 G	2.97 G	2.70 G	1.90 G	1.60 G	-0.15 G	-0.05
30 G	2.50	----- G	2.68 G	2.60 G	2.95	3.60 G	3.15 G	2.60 G	1.78 G	1.20 G	0.00 G	0.35
31 G	1.80	----- G	0.80	----- G	3.05	----- G	3.75 G	2.75	----- G	0.45	----- G	1.35

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.71	1.10	1.76	2.25	2.87	3.16	2.79	2.73	2.39	1.84	1.29	0.12
MAX	3.15	2.50	3.70	3.29	3.70	4.80	3.75	5.00	3.15	3.05	2.95	2.50
MIN	0.00	-0.70	-0.50	1.17	1.65	1.95	2.25	2.00	1.45	0.10	-0.30	-2.30
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.00.

HIGHEST STAGE WAS 6.90 AT 5:00 A.M. ON AUG 1.

LOWEST STAGE WAS MINUS 2.45 ON DEC 12.

DAILY STAGE FOR 1989

209

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST AUTO.)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON NORTHEAST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7660017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.63 FEET (CAUSED BY HURRICANE) ON SEP. 11, 1961 (PROBABLY HIGHER DURING HURRICANE OF JUNE 1957). LOWEST, MINUS 2.90 FEET ON MAR. 5, 1962 AND DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.94	2.20	1.10	1.83	1.33	3.38	3.61	5.29	2.88	2.70	2.10	1.69
2	1.94	2.10	1.60	3.10	1.80	3.08	3.51	3.83	2.65	2.50	2.12	1.72
3	2.09	2.18	2.20	2.55	2.88	2.89	3.05	3.20	2.50	2.10	1.80	0.89
4	1.81	1.60	2.80	3.05	3.57	2.73	3.09	2.99	3.00	2.20	2.59	1.65
5	2.40	2.10	2.10	1.60	3.15	2.80	3.00	2.63	3.35	3.23	3.10	1.75
6	2.60	1.60	-0.70	1.83	2.05	2.29	2.95	2.33	3.80	3.30	2.80	1.70
7	2.50	1.05	0.95	2.15	1.79	2.13	3.13	2.35	3.70	2.85	2.49	1.85
8	3.20	1.78	1.50	2.10	1.72	2.85	3.12	2.44	3.35	2.30	2.43	0.90
9	2.17	0.80	1.10	1.90	2.53	1.98	3.29	2.41	3.65	2.95	1.24	1.35
10	2.97	1.10	1.35	0.85	1.13	2.33	3.64	2.95	3.30	3.30	1.49	1.75
11	2.85	1.39	1.40	0.11	0.95	3.09	3.49	2.89 F	3.20	2.95	1.63	2.20
12	2.65	0.85	1.00	1.45	1.70	3.15	3.32	3.28	3.40	3.25	1.83	0.80
13	1.94	1.70	1.00	1.65	2.23	3.28	3.28	3.26	3.35	2.90	2.63	0.50
14	2.30	1.42	1.45	1.88	3.04	3.63	3.50	2.93	3.15	2.70	2.50	2.15
15	1.91	1.75	1.70	1.70	2.45	2.60	3.33	2.68	2.15	3.85	2.80	2.30
16	1.70	1.46	1.53	1.86	2.80	2.20	3.21	2.55	2.08	4.00	0.48	0.20
17	1.19	1.00	2.10	2.45	3.65	2.64	2.99	2.58	2.58	2.95	2.22	2.10
18	1.65	1.03	2.20	2.64	4.03	2.97	2.93	2.20	3.20	1.75	2.95	1.89
19	2.40	1.60	1.60	2.30	3.76	2.60	2.94	2.27	3.48	0.20	2.65	1.60
20	2.35	3.20	2.55	1.20	2.90	2.14	2.92	2.35	3.40	1.12	1.89	0.49
21	1.75	1.95	2.15	1.70	2.80	2.13	2.81	2.80	3.35	2.40	1.75	1.05
22	2.45	0.00	1.40	2.28	2.68	2.30	2.82	3.10	2.73	2.35	2.18	-0.85
23	2.59	-1.95	1.50	2.60	2.59	2.70	3.10	3.50	2.90	2.75	0.25	-2.70
24	2.85	0.70	2.35	2.21	2.27	2.50	3.08	3.20	1.05	2.60	1.70 F	-2.20
25	2.65	1.10	2.60	2.20	2.76	2.55	3.16	3.18	2.20	2.40	2.55	0.75
26	2.49	1.30	2.44	1.65	2.70	3.05	3.45	3.35	2.30	2.35	1.99	1.14
27	2.20	1.40	2.65	1.62	2.20	4.50	3.39	3.20	2.60	2.15	1.74	1.30
28	2.52	1.20	3.10	1.60	2.00	4.47	3.30	2.90	2.65	2.35	1.68	1.45
29	2.32	-----	2.50	1.53	2.19	4.20	3.34	2.80	2.73	2.35	0.33	2.00
30	2.05	----- F	1.95	1.57	2.84	3.97	3.25	2.90	1.80	2.40	0.65	2.15
31	2.00	-----	1.82	-----	3.26	-----	3.30	2.90	-----	1.00	-----	2.40

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.27	1.34	1.77	1.91	2.51	2.90	3.20	2.94	2.88	2.55	1.95	1.16
MAX	3.20	3.20	3.10	3.10	4.03	4.50	3.64	5.29	3.80	4.00	3.10	2.40
MIN	1.19	-1.95	-0.70	0.11	0.95	1.98	2.81	2.20	1.05	0.20	0.25	-2.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.31.

HIGHEST STAGE WAS 5.31 AT 9:30 A.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDED) WAS MINUS 2.90 ON DEC 2

DAILY STAGE FOR 1989

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (EAST STAFF)

LOCATION. LAT. 29-45-28, LONG. 92-15-48. ON SOUTHEAST PILING OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7664017.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 6.10 FEET ON SEP. 5, 1973. LOWEST, MINUS 3.00 FEET ON DEC. 27, 1989. EXTREMES HAVE BEEN ADJUSTED TO PRESENT DATUM.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.05	2.20 G	1.10	1.90 G	1.70 G	3.20	3.40 G	5.00 G	2.50 G	2.70 G	2.55 G	2.00
2	2.00 G	1.80 G	1.55 G	3.15 G	1.85 G	2.85	3.40 G	3.45 G	2.45 G	2.50 G	2.35 G	2.00
3	2.20	2.20 G	2.10 G	2.80 G	2.95	2.60	3.00	2.80 G	2.15 G	2.10 G	1.90 G	0.90
4	1.95	1.60 G	2.80 G	3.30 G	3.60	2.50	2.95	2.80 G	2.70 G	2.30 G	2.60 G	1.60
5 G	2.50 G	2.00 G	1.70 G	1.80 G	2.70	2.40	2.95	2.45 G	3.30 G	3.30 G	3.20 G	1.70
6 G	2.75 G	2.00 G	-0.80 G	1.30 G	1.70	2.15	2.85	2.30 G	3.60 G	3.50 G	2.95 G	1.70
7 G	2.60 G	0.70 G	0.90 G	1.45 G	1.30	2.10	3.00	2.30 G	3.50 G	3.10 G	2.50 G	1.90
8 G	3.10 G	1.70 G	1.25 G	1.30 G	1.05 G	2.40	3.10	2.10 G	3.50 G	2.40 G	2.70 G	1.00
9	2.20 G	0.55 G	0.80 G	1.40 G	2.30	2.05	3.15	2.20 G	3.50 G	3.00 G	1.60 G	-0.10
10 G	2.85 G	0.90 G	0.95 G	0.80 G	1.35 G	2.30	3.55 G	3.00 G	3.20 G	3.40 G	1.80 G	1.55
11 G	3.10 G	1.40 G	1.00 G	0.20 G	0.80 G	3.00	3.50 G	2.80 G	3.20 G	3.05 G	2.15 G	2.20
12 G	2.45 G	1.00 G	0.80 G	1.75 G	1.80 G	3.05	3.30 G	3.10 G	2.90 G	3.30 G	2.40 G	0.80
13	2.00 G	1.80 G	0.75 G	1.65	2.10 G	3.30	3.20	3.05 G	3.00 G	3.00 G	2.50 G	0.80
14	2.40 G	1.70 G	1.40 G	2.00 G	3.00 G	3.55	3.30 G	2.50 G	3.00 G	2.95 G	3.00 G	2.30
15	1.90 G	2.00 G	1.80 G	2.15 G	2.25 G	2.75	3.20 G	2.55 G	1.80 G	3.60 G	3.30 G	2.60
16	1.75 G	1.80 G	1.65 G	1.90 G	2.65	2.00	3.20 G	2.20 G	2.00 G	3.95 G	0.60 G	0.60
17	1.80 G	1.25 G	2.20 G	2.75 G	3.60	2.25	2.90 G	2.50 G	2.40 G	3.40 G	1.95 G	2.35
18 G	1.95 G	1.25 G	2.25 G	2.60 G	4.00	2.70	2.75 G	2.00 G	3.00 G	1.60 G	3.10 G	2.00
19 G	2.55 G	2.00 G	1.70 G	2.35 G	3.60	2.30	2.70 G	2.00 G	3.50 G	0.00 G	2.80 G	1.70
20	2.45 G	3.40 G	2.70 G	1.35	2.75	1.90	2.90 G	2.10 G	3.30 G	1.00 G	2.00 G	0.60
21	1.80 G	2.40 G	2.30 G	1.40	2.45	2.00	2.80	2.40 G	3.40 G	2.50 G	1.90 G	1.35
22	2.50 G	0.20 G	1.50 G	1.80	2.25 G	1.50	2.80 G	3.30 G	2.80 G	2.80 G	2.35 G	-0.60
23	2.55 G	-1.90 G	1.20 G	1.90	2.40	2.50	3.10 G	3.65 G	2.75 G	2.90 G	0.50 G	-3.00
24 G	2.80 G	0.40 G	1.90 G	1.90	2.00	2.55	3.10 G	3.20 G	0.65 G	2.80 G	1.65	-2.20
25	2.60 G	0.90 G	2.35 G	1.70	2.55 G	2.65	3.10 G	3.15 G	2.00 G	2.60 G	2.70 G	0.90
26	2.45 G	0.90 G	2.30 G	1.40	2.50 G	3.05	3.45 G	3.10 G	2.25 G	2.60 G	2.20 G	1.10
27	2.15 G	1.30 G	2.25 G	1.50	2.25 G	4.35	3.40 G	2.90 G	2.50 G	2.40 G	2.20 G	1.40
28	2.35 G	1.20 G	2.60 G	1.60	2.10 G	4.40	3.20 G	2.70 G	2.55 G	2.65 G	2.05 G	1.60
29	2.30	----- G	2.25 G	1.50 G	1.80 G	4.10	3.10 G	2.50 G	2.70 G	2.70 G	0.70 G	2.15
30	2.00	----- G	1.50 G	1.70 G	3.00 G	3.75	3.05 G	2.45 G	1.80 G	2.80 G	0.80 G	2.40
31	2.00	----- G	1.20	----- G	3.25	-----	2.95 G	2.55	----- G	2.10	----- G	2.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.32	1.38	1.61	1.81	2.37	2.74	3.11	2.75	2.73	2.68	2.17	1.23
MAX	3.10	3.40	2.80	3.30	4.00	4.40	3.55	5.00	3.60	3.95	3.30	2.85
MIN	1.75	-1.90	-0.80	0.20	0.80	1.50	2.70	2.00	0.65	0.00	0.50	-3.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.26.

HIGHEST STAGE WAS 5.00 ON AUG 1.

LOWEST STAGE WAS MINUS 3.00 ON DEC 23.

DAILY STAGE FOR 1989

SCHOONER BAYOU (INLAND WATERWAY) AT CONTROL STRUCTURE (LA.) (WEST)

LOCATION. LAT. 29-45-28, LONG. 92-15-50. ON SOUTHWEST LOCKWALL OF STRUCTURE, 6.6 MILES SOUTHWEST FROM JUNCTION WITH IWW. (STA. 7668017.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JULY 1, 1917 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, WATER OVER GATES (ELEVATION, SIX FEET, M.L.G.) DURING HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.70 FEET (PRESENT DATUM) ON DEC. 21, 1924.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.10	2.30 G	1.88 G	2.00 G	2.23 G	2.50	3.60 G	3.10 G	2.62 G	2.11 G	1.89 G	2.32
2	1.98 G	2.20 G	1.90 G	2.35 G	2.19 G	2.68	3.55 G	3.35 G	2.59 G	2.09 G	2.30 G	2.30
3	2.15	2.22 G	1.90 G	2.35 G	2.06 G	3.00	3.24	3.09 G	2.50 G	2.05 G	2.11 G	2.18
4	1.90	1.75 G	1.80 G	2.50 G	2.19	2.50	3.15	2.94 G	2.49 G	2.00 G	2.05 G	2.22
5 G	2.45	2.35 G	2.55 G	2.55 G	2.60	2.75	3.17	2.59 G	2.29 G	1.85 G	2.00 G	2.20
6 G	2.55	2.20 G	2.35 G	2.60 G	2.40	2.29	3.00	2.35 G	2.35 G	1.90 G	2.18 G	2.10
7 G	2.47	2.35 G	2.20 G	2.30	2.32	2.20	3.34	2.45 G	2.45 G	1.90 G	2.26 G	2.30
8 G	2.39	2.30 G	2.11 G	2.30 G	2.21 G	3.02	3.32	2.45 G	2.47 G	1.78 G	2.30 G	2.80
9	2.09	2.00 G	2.08 G	2.00 G	2.43	2.00	3.39	2.45 G	2.45 G	1.72 G	2.27 G	1.60
10 G	2.40	2.10 G	2.05 G	2.18 G	2.25 G	2.35	3.60 G	2.78 G	2.50 G	1.77 G	2.26 G	1.95
11 G	2.45	2.10 G	2.06 G	2.25 G	2.03 G	2.68	3.55 G	2.70 G	2.40 G	1.80 G	2.20 G	2.15
12 G	2.49 G	2.10 G	2.04 G	2.20	1.86 G	2.64	3.40 G	2.55 G	2.33 G	1.78 G	2.14 G	2.70
13	1.90 G	2.02 G	2.08 G	2.30 G	2.03 G	2.63	3.34	2.49 G	2.45 G	1.70 G	2.33 G	2.55
14	2.27 G	2.09 G	1.95 G	2.15 G	2.30 G	2.52	3.55 G	2.49 G	2.50 G	1.65 G	2.36 G	2.40
15	1.70 G	2.10 G	1.90 G	2.48 G	2.20 G	2.62	3.40 G	2.52 G	2.15 G	1.50 G	2.32 G	2.35
16	1.75 G	2.19 G	1.95 G	2.40 G	2.18	2.23	3.31 G	2.55	2.18 G	1.65 G	2.54 G	2.25
17	2.60 G	2.10 G	1.90 G	2.35 G	2.00	2.63	3.10 G	2.55	2.27 G	2.10 G	2.22 G	2.15
18 G	2.25 G	2.20 G	1.90 G	2.35 G	1.85	2.92	3.05 G	2.52 G	2.30 G	1.95 G	2.05 G	2.15
19 G	2.55 G	2.10 G	1.93 G	2.48 G	2.60	2.50	3.00 G	2.60 G	2.20 G	2.15 G	1.96 G	2.20
20	2.50 G	1.95 G	1.88	2.30	2.88	2.29	3.08 G	2.60 G	2.30 G	2.15 G	2.15 G	2.20
21	1.95 G	2.22 G	1.98 G	2.30	2.55	2.70	3.00	2.33 G	2.22 G	1.95 G	2.29 G	2.20
22	2.55 G	2.30 G	2.15 G	2.25 G	2.35 G	2.70	2.99 G	2.30 G	2.30 G	1.90 G	2.20 G	2.10
23	2.52 G	2.35 G	2.28 G	2.22 G	2.45	2.68	3.25 G	2.50 G	2.20 G	1.80	2.42 G	2.15
24 G	2.80 G	1.95 G	2.18 G	2.20 G	2.10	2.75	3.22 G	2.50 G	2.04 G	1.85 G	2.37 G	2.20
25	2.65 G	1.90 G	2.10 G	2.18 G	2.60 G	2.70	3.25 G	2.52 G	2.22 G	1.85 G	2.29 G	2.10
26	2.45 G	1.90 G	2.02 G	2.15	2.75 G	2.82	3.45 G	2.45 G	2.11 G	1.89 G	2.37 G	2.05
27	2.20 G	1.85 G	2.05 G	2.13	2.24 G	2.85	3.40 G	2.46 G	2.08 G	1.89 G	2.45 G	2.00
28	2.50 G	1.80 G	1.80 G	2.10	2.04 G	3.55	3.28 G	2.50 G	2.07 G	1.85 G	2.55 G	1.99
29	2.33	----- G	2.15 G	2.10 G	2.20 G	3.51	3.29 G	2.59 G	2.14 G	1.75 G	2.50 G	2.00
30	2.18	----- G	2.40 G	2.09 G	2.68 G	3.68	3.20 G	2.56 G	2.12 G	1.75 G	2.38 G	2.25
31	2.10	----- G	2.65	----- G	2.58	-----	3.09 G	2.58	----- G	2.10	----- G	2.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.30	2.11	2.07	2.27	2.30	2.70	3.28	2.59	2.31	1.88	2.26	2.21
MAX	2.80	2.35	2.65	2.60	2.88	3.68	3.60	3.35	2.62	2.15	2.55	2.80
MIN	1.70	1.75	1.80	2.00	1.85	2.00	2.99	2.30	2.04	1.50	1.89	1.60
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.36.

HIGHEST STAGE WAS 3.75 AT 10:15 A.M. ON JUL 10.

LOWEST STAGE WAS 1.25 ON DEC 9.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST AUTO.)

LOCATION. LAT. 29-47-00, LONG. 92-11-40. ON NORTHEAST LOCKWALL OF STRUCTURE. (STA. 7672013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. NOV. 8, 1932 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.60	1.80	1.15	1.70	1.45	3.28	3.45	5.30	2.70	2.70	2.35	2.00
2	1.55	1.75	1.50	3.10	1.80	3.29	3.25	3.70	2.56	2.62	2.40	1.80
3	1.75	2.10	2.05	2.60	3.00	2.98	2.60	3.00	2.20	2.30	1.85	0.84
4	1.50	0.60	2.55	3.20	3.55	2.89	2.20	2.70	2.89	2.35	2.55	1.70
5	2.40	2.00	1.70	1.45	3.40	2.94	2.10	2.10	3.20	3.25	3.10	1.70
6	2.60	1.65	-0.65	1.55	2.15	1.89	1.92	1.83	3.65	3.40	2.75	1.60
7	2.50	1.05	1.05	2.10	1.70	1.58	1.75	1.80	3.60	2.95	2.66	1.90
8	2.99	1.80	1.50	1.95	1.70	3.09	2.25	2.18	3.45	2.30	2.60	1.10
9	1.98	0.80	1.05	1.40	2.40	1.44	2.65	2.20	3.53	2.90	1.45	0.40
10	2.96	1.20	1.00	0.65	1.30	2.23	3.40	3.00	3.22	3.32	1.34	1.40
11	3.00	1.60	1.10	0.10	0.85	3.11	3.20	2.82	2.91	3.00	2.10	2.10
12	2.70	1.10	1.10	1.45	1.60	3.01	2.97	3.20	3.10	3.30	2.32	0.80
13	1.65	1.68	0.90	1.55	2.20	3.30	3.02	3.15	3.20	3.00	2.33	1.00
14	2.10	1.40	1.30	1.85	2.90	3.68	3.34	3.14	3.10	2.90	3.00	2.20
15	1.25	1.80	1.60	1.85	2.35	2.45	2.97	2.70	1.90	3.70	3.15	2.50
16	1.22	1.60	1.45	1.85	2.85	1.85	2.80	2.65	1.80 F	3.90	0.60	0.30
17	1.30	1.10	2.20	2.55	3.85	2.65	2.46	2.60	2.50	3.40	2.08	2.20
18	1.85	1.35	2.15	2.65	3.95	3.10	2.50	2.35	2.90	1.70	2.89	1.80
19	2.50	1.82	1.60	2.45	3.79	2.35	2.45	2.25	3.45	0.15	2.57	1.70
20	2.18	3.35	2.64	1.20	2.95	1.55	2.26	2.40	3.25	1.20	1.85	0.50
21	1.20	2.25	2.30	1.68	2.55	2.00	2.08	2.75	3.35	2.50	1.90	1.20
22	2.45	0.10	1.50	2.15	2.40	1.85	2.30	3.25	2.80	2.60	2.20	-0.70
23	2.40	-2.00	1.38	2.45	2.36	2.65	2.91	3.70	2.90	2.70	0.13	-2.70
24	2.70	0.85	2.10	2.25	1.59	2.50	2.60	3.30	0.80	2.80	1.60	-2.10
25	2.60	1.20	2.50	2.20	2.69	2.55	2.70	3.25	2.40	2.50	2.41	0.65
26	2.28	1.30	2.49	1.70	2.52	3.00	3.30	3.10	2.55	2.50	1.90	0.90
27	1.85	1.70	2.45	1.65	1.84	4.42	3.27	3.09	2.60	2.35	1.80	1.20
28	2.35	1.30	2.85	1.65	1.39	4.50	3.18	2.88	2.80	2.55	2.00	1.45
29	2.10	-----	2.30	1.52	1.80	4.20	3.20	2.60	2.75	2.60	0.52	2.10
30	1.70	-----	1.50	1.60	2.92	3.85	3.10	2.68	1.85	2.50	0.87	2.30
31	1.28	-----	1.10	-----	3.29	-----	3.10	2.67	-----	2.10	-----	2.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.08	1.37	1.66	1.87	2.42	2.81	2.75	2.85	2.80	2.65	2.04	1.17
MAX	3.00	3.35	2.85	3.20	3.95	4.50	3.45	5.30	3.65	3.90	3.15	2.50
MIN	1.20	-2.00	-0.65	0.10	0.85	1.44	1.75	1.80	0.80	0.15	0.13	-2.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.21.

HIGHEST STAGE WAS 5.65 AT 9:45 A.M. ON AUG 1.

LOWEST STAGE WAS MINUS 2.90 ON DEC 23.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (EAST STAFF)

LOCATION. LAT. 29-47-00, LONG. 92-11-44. ON EAST LOCKWALL OF STRUCTURE. (STA. 7676013.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. (FROM 1946 TO DATE) HIGHEST, 8.90 FEET (FROM HIGH WATER MARK) ON JUNE 27, 1957. LOWEST, MINUS 2.90 FEET ON JAN. 11, 1962.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.80	2.00 G	1.00	1.50 G	1.50	3.30	3.50 G	5.40	2.70 G	2.80 G	2.30 G	1.90
2	1.50	1.90 G	1.60	3.10 G	1.80	2.80	3.10 G	3.70	2.50 G	2.60 G	2.40 G	1.90
3	2.20	2.10 G	2.30 G	2.70 G	3.00	1.70	2.50	2.60	2.20 G	2.20 G	1.90 G	1.00
4	1.30	0.50 G	2.50 G	3.40 G	3.60	2.75	2.20	2.70	2.80 G	2.40 G	2.40 G	1.70
5	2.50	1.80 G	2.00 G	1.40 G	2.60	2.90	2.00	2.20	3.20 G	3.20 G	3.40 G	1.70
6	2.80	1.80 G	-0.60 G	2.00 G	1.50	1.85	1.90	2.00	3.60 G	3.40 G	3.10 G	1.60
7	2.50	0.80 G	1.00	1.80 G	1.30	1.50	2.00	2.00	3.60 G	3.00 G	2.60 G	1.90
8	3.00	1.70 G	1.40	1.90 G	2.60	2.50	2.30	2.10	3.50 G	2.30 G	2.70	1.10
9	2.00	0.90 G	1.10	1.10	2.40	1.60	2.50	2.00	3.60 G	2.90 G	1.60	0.40
10	2.80 G	1.00 G	1.20	0.80	1.30	2.20	3.40 G	3.00	3.30 G	3.30 G	1.80	1.40
11	3.10 G	1.40 G	1.20	0.90	0.60	3.10	3.20 G	2.85	3.30 G	3.00 G	2.00	2.10
12	2.60 G	0.90 G	1.00	1.40	1.40	3.10	2.90 G	3.20	3.20 G	3.30 G	2.30	0.70
13	1.70 G	1.70 G	0.80 G	1.60	2.10	3.30	3.00 G	3.30	3.20 G	3.30 G	2.70	0.50
14	2.60 G	1.50 G	1.30 G	2.00	2.70	3.70	3.30 G	3.00	3.10 G	2.90 G	2.90	2.20
15	1.30 G	1.90 G	1.60 G	1.90	2.30	2.60	3.00 G	2.60	1.80 G	3.60 G	3.50	2.50
16	1.30 G	1.70 G	1.40 G	1.80	2.60	1.60	2.80	2.50	1.50 G	3.90 G	0.50	0.20
17	1.10 G	1.00 G	2.10	2.60	3.50	2.40	2.40	2.30	2.50 G	3.40 G	2.10 G	2.20
18	1.70 G	1.20 G	2.30	2.60	4.20	2.70	2.50	2.20	2.90 G	1.60 G	2.90	2.00
19	2.60 G	1.90 G	1.60	2.50	3.80	2.20	2.40	2.20	3.50 G	0.00 G	2.70 G	1.80
20	2.40 G	3.30 G	2.70	1.10	2.90	1.40	2.30	2.20	3.10 G	1.30 G	2.20 G	0.50
21	1.40 G	1.90 G	2.30	1.60	2.60	1.80	2.00	2.60	3.20 G	2.50 G	1.80 G	1.10
22	2.50 G	0.00 G	1.40	1.90	2.30	1.40	2.40	3.00	2.80 G	2.50 G	2.20 G	-0.80
23	2.50 G	-1.30 G	1.10	2.10	2.30	2.90	2.80	3.70	2.70 G	2.90 G	0.30 G	-2.70
24	2.80 G	0.50 G	2.00	2.10	1.70	2.70	2.50	3.30	0.80 G	2.70 G	1.30 G	-2.10
25	2.60 G	1.20 G	2.00	2.10	2.40	3.00	2.80	3.30	2.00 G	2.50 G	2.40 G	1.00
26	2.30 G	1.00 G	2.50 G	1.40	2.50 G	4.40	3.30	2.80	2.30 G	2.60 G	2.00 G	0.90
27	1.80 G	1.50 G	2.40 G	1.50	1.90	4.70	3.20	2.90 G	2.40 G	2.40 G	2.00 G	1.40
28	2.40 G	1.00 G	2.80 G	1.50	1.70 G	4.70	3.00	2.60 G	2.60 G	2.60 G	1.80 G	1.50
29	2.00	----- G	2.30 G	1.60	1.80	4.10	3.10	2.60 G	2.80 G	2.50 G	0.50 G	2.30
30	1.50	----- G	1.40 G	1.60	3.00	3.80	3.20	2.60 G	1.90 G	2.60 G	1.00	2.40
31	1.20	-----	1.00	-----	3.20	-----	3.00	2.70	----- G	2.20	-----	2.70

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.12	1.31	1.64	1.85	2.35	2.76	2.73	2.78	2.75	2.66	2.11	1.19
MAX	3.10	3.30	2.80	3.40	4.20	4.70	3.50	5.40	3.60	3.90	3.50	2.70
MIN	1.10	-1.30	-0.60	0.80	0.60	1.40	1.90	2.00	0.80	0.00	0.30	-2.70
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.19.

HIGHEST STAGE WAS 5.40 ON AUG 1.

LOWEST STAGE WAS MINUS 2.70 ON DEC 23.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT LELAND BOWMAN LOCK (LA.) (WEST)

LOCATION. LAT. 29-47-05, LONG. 92-11-53. ON WEST LOCKWALL OF STRUCTURE. (STA. 7680013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. SEP. 25, 1933 TO DATE. ADD 0.6 TO DAILY STAGES PRIOR TO 1951.

EXTREMES. HIGHEST, 8.9 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1957. LOWEST, MINUS 1.00 FOOT ON DEC. 24, 1966.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT M.L.G.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.55	2.50 G	1.80	1.85 G	2.17	2.59	3.60 G	3.20	2.65 G	2.05 G	1.80 G	2.35
2	1.80	1.90 G	1.85	2.45 G	2.15	2.71	3.40 G	3.45	2.50 G	2.05 G	2.10 G	2.25
3	2.00	2.10 G	1.80 G	2.52 G	2.10	2.96	3.00	2.96	2.25 G	2.00 G	2.05 G	2.18
4	1.60	2.10 G	1.85 G	2.60 G	2.10	2.76	2.65	2.80	2.35 G	2.00 G	2.00 G	2.15
5	2.35	1.95 G	2.43 G	2.70 G	2.60	2.76	2.65	2.39	2.20 G	1.85 G	2.00 G	2.20
6	2.55	2.20 G	2.14 G	2.65 G	2.15	2.00	2.60	2.26	2.31 G	1.95 G	2.05 G	2.20
7	2.60	1.50 G	2.00	2.25 G	2.22	1.93	3.65	2.75	2.39 G	2.00 G	2.10 G	2.10
8	2.59	2.20 G	1.96	2.30 G	1.90	2.82	3.65	2.15	2.50 G	1.90 G	2.20	2.90
9	2.00	1.20 G	1.95	2.20	2.38	1.71	3.00	2.20	2.48 G	1.80 G	2.15	0.90
10	2.45 G	2.10 G	1.98	2.20	1.55	2.25	3.55 G	2.75	2.50 G	1.90 G	2.18	1.60
11	2.45 G	2.05 G	2.00	2.20	2.10	2.69	3.35 G	2.75	2.50 G	1.85 G	2.18	2.50
12	2.60 G	2.10 G	2.00	2.20	2.00	2.71	3.18 G	2.58	2.50 G	1.88 G	2.10	2.50
13	1.79 G	2.04 G	2.03 G	2.18	2.10	2.70	3.10 G	2.58	2.50 G	1.85 G	2.14	2.50
14	2.25 G	2.10 G	1.95 G	2.20	2.15	2.65	3.40 G	2.60	2.65 G	1.85 G	2.14	2.30
15	1.55 G	2.10 G	1.90 G	2.55	2.28	2.60	3.25 G	2.55	2.05 G	1.75 G	2.16	2.39
16	1.50 G	2.15 G	1.90 G	2.48	2.20	2.10	3.05	2.50	2.20 G	1.90 G	2.30	2.20
17	2.30 G	2.05 G	1.90	2.40	2.12	2.60	2.95	2.50	2.40 G	2.00 G	2.12 G	2.20
18	2.00 G	2.15 G	1.95	2.35	2.10	2.95	3.25	2.40	2.30 G	1.98 G	2.15	2.15
19	2.50 G	2.10 G	1.95	2.35	2.95	2.50	2.67	2.50	2.40 G	1.95 G	2.22 G	2.15
20	2.30 G	1.90 G	1.90	2.00	2.85	1.90	2.75	2.48	2.30 G	1.90 G	2.20 G	2.15
21	1.60 G	2.10 G	2.00	2.00	2.50	2.40	2.50	2.45	2.35 G	1.90 G	2.20 G	2.10
22	2.44 G	2.15 G	2.05	2.10	2.30	2.40	2.84	2.42	2.39 G	1.90 G	2.20 G	1.90
23	2.40 G	2.00 G	2.20	2.25	2.41	2.65	3.08	2.55	2.30 G	1.80 G	2.34 G	1.80
24	2.75 G	1.75 G	2.15	2.20	1.89	2.65	2.96	2.55	1.70 G	1.90 G	2.39 G	1.80
25	2.55 G	1.80 G	2.10	2.20	2.62	2.68	3.05	2.65	2.20 G	1.90 G	2.30 G	2.05
26	2.30 G	1.85 G	2.30 G	2.20	2.58 G	2.85	3.32	2.90	2.05 G	1.80 G	2.37 G	2.00
27	2.20 G	1.85 G	2.10 G	2.10	2.08	3.10	3.30	2.60 G	2.10 G	1.80 G	2.40 G	1.95
28	2.33 G	1.78 G	1.95 G	2.15	2.02 G	3.80	3.20	2.65 G	2.10 G	1.85 G	2.50 G	1.92
29	2.60	----- G	2.25 G	2.14	2.07	3.89	3.21	2.50 G	2.10 G	1.83 G	2.25 G	2.10
30	1.85	----- G	2.50 G	2.10	2.70	3.89	3.05	2.53 G	2.10 G	1.85 G	2.23	2.40
31	2.50	-----	2.58	-----	2.61	-----	3.12	2.60	----- G	1.95	-----	2.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.23	1.99	2.05	2.27	2.26	2.67	3.11	2.60	2.31	1.90	2.18	2.15
MAX	2.75	2.50	2.58	2.70	2.95	3.89	3.65	3.45	2.65	2.05	2.50	2.90
MIN	1.50	1.20	1.80	1.85	1.55	1.71	2.50	2.15	1.70	1.75	1.80	0.90
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

G=GATES CLOSED

THE MEAN STAGE FOR THE YEAR WAS 2.31.

HIGHEST STAGE WAS 4.10 AT 2:00 A.M. ON JUN 28 AND LATER DATE(S).

LOWEST STAGE WAS 0.64 ON DEC 9.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (EAST)

LOCATION. LAT. 30-05-14, LONG. 93-17-28. NEAR EAST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7688021.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 6.60 FEET (CAUSED BY HURRICANE) ON JUNE 28, 1957. LOWEST, MINUS 0.4 FOOT FROM JULY 8 TO 10, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.25	3.35	2.60	3.25	2.65	3.45	5.25	4.43	3.20	2.60	2.60	2.75
2	3.30	3.38	2.45	3.50	2.70	3.50	5.17	4.33	3.18	2.60	2.70	2.78
3	3.10	3.30	2.69	3.60	2.80	3.52	5.15	3.84	3.01	2.75	2.55	2.68
4	3.35	3.05	2.95	3.60	2.90	3.58	4.85	3.63	3.10	2.70	2.75	2.70
5	3.45	2.95	2.44	3.35	3.03	3.58	4.90	3.40	3.12	2.70	2.90	2.75
6	3.30	2.90	2.03	3.15	3.00	3.52	4.70	3.15	3.25	2.70	2.90	2.75
7	3.25	2.70	2.43	3.15	2.95	3.40	4.30	3.05	3.25	2.80	2.90	2.90
8	3.40	2.80	2.62	3.18	3.00	3.40	4.20	3.12	3.20	2.70	2.70	2.70
9	3.35	2.80	2.68	3.25	3.05	3.38	4.40	3.28	3.20	2.70	2.65	2.65
10	3.25	2.85	2.65	3.18	2.95	2.99	4.30	3.39	3.10	2.50	2.65	2.80
11	3.30	2.90	2.65	3.00	2.99	3.45	4.50	3.30	3.10	2.50	2.65	3.00
12	3.40	2.90	2.65	3.00	2.90	3.45	4.28	3.23	3.10	2.50	2.70	2.90
13	3.35	3.10	2.65	3.03	2.98	3.45	4.20	3.15	3.10	2.60	2.72	2.80
14	3.25	3.00	2.69	3.03	3.12	3.48	3.97	3.15	3.20	2.60	2.75	2.95
15	3.20	3.10	2.80	3.10	3.03	3.35	4.09	3.05	3.15	2.80	2.83	2.98
16	3.17	2.95	2.75	3.10	3.22	3.55	3.90	3.10	3.00	3.00	2.50	2.80
17	3.25	2.80	2.78	3.20	3.40	3.60	3.80	3.10	3.15	2.70	2.65	2.75
18	3.30	2.70	2.75	3.15	3.55	3.50	3.78	3.05	3.00	3.30	2.90	2.75
19	3.40	2.70	2.70	3.05	3.95	3.40	3.70	3.05	3.10	2.20	2.95	2.70
20	3.30	2.95	2.75	2.95	3.94	3.19	3.50	3.10	3.00	2.00	2.85	2.60
21	2.95	2.80	2.68	2.90	3.80	3.20	3.40	3.15	3.00	2.50	2.78	2.75
22	3.40	2.46	2.55	2.95	3.79	3.15	3.45	3.13	3.10	2.60	2.89	2.40
23	3.40	2.10	2.55	3.00	3.78	3.65	3.50	3.05	3.00	2.80	2.75	2.00
24	3.65	2.55	2.85	3.06	3.65	3.65	3.48	3.10	2.80	2.70	3.03	2.50
25	3.65	2.60	2.95	3.05	3.80	3.60	3.50	3.15	2.50	2.60	3.19	2.55
26	3.60	2.60	3.10	3.00	3.82	3.80	4.14	3.20	2.70	2.60	3.08	2.62
27	3.49	2.65	3.17	2.90	3.70	4.80	4.00	3.22	2.70	2.60	3.00	2.60
28	3.25	2.60	3.50	2.85	3.50	4.88	3.85	3.20	2.70	2.55	3.05	2.65
29	3.20	-----	3.50	2.85	3.35	5.50	3.80	3.30	2.75	2.55	2.95	2.85
30	3.30	-----	3.50	2.80	3.45	5.28	3.75	3.30	2.65	2.50	2.80	3.10
31	3.30	-----	3.20	-----	3.40	-----	3.75	3.27	-----	2.45	-----	3.15

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.33	2.84	2.78	3.11	3.30	3.67	4.11	3.29	3.01	2.63	2.81	2.74
MAX	3.65	3.38	3.50	3.60	3.95	5.50	5.25	4.43	3.25	3.30	3.19	3.15
MIN	2.95	2.10	2.03	2.80	2.65	2.99	3.40	3.05	2.50	2.00	2.50	2.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 3.14.
 HIGHEST STAGE WAS 5.55 AT 11:00 A.M. ON JUN 29.
 LOWEST STAGE WAS 1.24 ON OCT 19.

DAILY STAGE FOR 1989

INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST STAFF)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. NEAR WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7692021.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. MAR. 6, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 9.0 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 2.00 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.30	2.90	1.90	2.00	2.70	3.90	5.40	4.80	3.50	3.20	3.00	2.70
2	2.30	2.60	2.50	3.50	2.80	3.60	5.50	4.10	3.10	3.30	3.00	2.70
3	2.80	2.80	2.80	3.50	3.50	3.80	5.20	3.40	2.90	3.30	2.60	1.50
4	1.70	1.70	3.50	3.90	2.70	3.40	4.90	3.30	2.20	3.40	3.10	2.60
5	3.00	2.70	2.70	3.00	4.00	3.20	4.50	3.00	3.70	3.50	3.50	2.40
6	3.30	2.50	0.70	2.90	2.90	2.50	4.30	2.80	3.90	3.90	3.30	2.40
7	3.30	2.30	2.10	2.90	2.60	2.30	4.00	2.90	4.00	3.60	3.10	2.60
8	3.10	2.50	2.50	3.00	2.50	3.00	3.80	2.90	3.90	2.90	3.30	1.30
9	2.40	1.90	2.30	1.90	3.00	2.20	4.00	3.20	3.80	3.30	2.40	0.50
10	3.50	2.30	2.20	1.50	1.70	2.50	3.90	3.60	3.70	3.80	2.60	1.80
11	3.60	2.20	2.10	1.30	2.30	3.40	4.00	3.60	3.70	3.60	2.80	2.50
12	3.20	1.80	1.90	2.10	2.10	3.80	4.00	3.50	3.50	3.60	3.00	1.20
13	2.50	2.60	1.80	2.60	2.90	3.80	3.80	3.60	3.70	3.60	3.20	1.80
14	2.30	2.50	1.90	2.80	3.10	3.80	3.70	3.50	3.60	3.50	3.60	2.55
15	2.30	2.50	2.50	2.80	3.10	3.00	3.90	3.40	3.15	4.05	4.00	3.00
16	2.10	2.50	2.20	2.90	3.30	3.00	3.50	3.00	2.90	4.10	1.80	1.20
17	2.10	1.90	2.70	3.00	4.20	3.30	3.20	3.00	3.10	3.80	2.70	2.40
18	2.80	2.40	2.90	3.30	4.10	3.30	3.10	3.00	3.30	2.85	3.30	2.70
19	3.30	2.70	2.65	3.00	4.30	3.00	3.00	2.80	3.80	2.20	3.30	2.40
20	3.10	3.65	3.20	2.60	3.70	2.70	2.70	3.00	3.70	2.50	2.90	1.80
21	2.60	3.20	2.80	2.60	3.70	2.90	2.40	3.00	3.80	2.90	2.70	1.90
22	3.30	1.90	2.40	2.80	3.70	2.70	2.40	3.60	3.50	2.90	2.90	0.80
23	3.30	0.50	2.60	2.80	3.40	3.00	3.00	3.80	3.20	3.10	1.00	-2.00
24	3.60	2.10	2.90	2.80	3.30	3.00	2.50	3.80	2.40	3.50	1.40	0.60
25	3.20	2.00	2.80	2.80	3.50	3.40	3.00	3.60	3.00	3.10	3.05	1.40
26	3.00	1.70	2.80	2.50	3.50	3.80	4.00	3.60	3.10	3.20	2.80	1.40
27	2.50	2.10	3.10	2.50	2.70	5.00	3.80	3.50	3.00	3.10	2.80	1.80
28	2.30	2.10	3.20	2.40	2.70	4.90	3.80	3.50	3.30	3.40	2.80	2.00
29	2.90	-----	3.20	2.70	2.80	5.30	3.60	3.10	3.60	3.30	1.60	2.70
30	2.40	-----	2.80	2.70	3.30	5.30	3.60	3.20	3.30	3.70	1.90	3.00
31	2.10	-----	1.90	-----	3.90	-----	3.60	3.40	-----	3.00	-----	3.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.78	2.31	2.50	2.70	3.16	3.43	3.75	3.37	3.38	3.33	2.78	1.89
MAX	3.60	3.65	3.50	3.90	4.30	5.30	5.50	4.80	4.00	4.10	4.00	3.00
MIN	1.70	0.50	0.70	1.30	1.70	2.20	2.40	2.80	2.20	2.20	1.00	-2.00
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 2.95.

HIGHEST STAGE WAS 5.50 ON JUL 2.

LOWEST STAGE WAS MINUS 2.00 ON DEC 23.

DAILY STAGE FOR 1989

217

INTRACOASTAL WATERWAY AT CALCASIEU LOCK (LA.) (WEST AUTO.)

LOCATION. LAT. 30-05-19, LONG. 93-17-40. AT WEST END OF LOCK, 10.5 MILES SOUTHWEST OF LAKE CHARLES, LA. (STA. 7696021.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 1, 1951 TO DATE. DISREGARD GAGE ZERO REPORTED PRIOR TO 1963, PRESENT ZERO IS CORRECT FOR ALL PERIODS.

EXTREMES. HIGHEST, 8.80 FEET (CAUSED BY HURRICANE) ON JUNE 27, 1957. LOWEST, MINUS 1.32 FEET ON FEB. 28, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 0.81 FOOT, M.L.G. (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.45	2.60	1.92	1.90	2.60	3.89	3.57	5.20	3.55	3.30 F	2.71	2.65
2	2.30	2.50	2.40	3.38	2.72	3.88	3.48	4.29	3.21	3.30	2.85	2.49
3	2.55	2.30	2.68	3.25	3.40	3.59	3.59	3.85	2.99	3.12	2.65	1.30
4	1.90	1.55	3.30	3.45	4.00	3.75	3.85	3.70	3.32	3.05	3.18	2.40
5	2.67	2.10	2.40	2.75	3.95	4.08	4.70	3.44	3.65	3.40	3.55	2.15
6	3.15 F	2.10	0.10	3.00	3.42	3.16	4.52	3.15	3.95	3.80	3.45	2.20
7	3.00	2.18	2.00	2.95	2.98	2.99	4.30	3.00	4.05	3.57	3.10	2.35
8	2.78	2.49	2.46	3.15	3.00	3.51	4.04	3.15	3.93	2.92	3.10	1.10
9	2.25	2.20	2.40	2.50	3.46	2.30	3.94	3.35	3.85	3.45	2.18	1.00
10	3.28	2.60	2.49	1.65	2.18	2.71	3.92	3.60	3.60	3.78	2.40	1.80
11	3.53	2.40	2.58	1.55	2.15	3.59	3.97	3.50	3.69	3.46	2.43	2.35
12	3.38	2.20	2.25	2.05	2.15	3.73	3.72	3.60	3.60	3.55	2.50	1.20
13	2.35	2.60	2.25	2.10	2.95	3.96	3.80	3.67	3.80	3.50	2.70	1.60
14	2.47	2.40	2.30	2.40	2.88	3.90	3.61	3.70	3.60	3.42	3.20	2.70
15	2.15	2.32	2.40	2.35	3.05	3.18	3.95	3.60	3.09	3.85	3.60	3.15
16	1.87	2.15	2.15	2.45	3.52	3.20	3.62	3.50	3.00	4.10	1.65	1.35
17	2.00	1.80	2.62	3.00	4.25	3.35	3.54	3.55	3.05	3.60	2.69	2.40
18	2.50	2.05	2.75	3.10	4.20	3.63	3.62	3.30	3.32	2.85	3.19	2.75
19	3.15	2.50	2.30	3.15	4.45	3.50	3.45	3.12	3.60	2.39	3.22	2.33
20	2.70	3.50	2.90	2.80	4.04	3.04	3.09	3.20	3.65	2.65	2.68	1.60
21	2.40	3.00	2.50	2.90	4.06	2.97	3.55	3.40	3.82	3.00	2.55	1.80
22	3.23	2.05	2.50	3.20	4.25	3.00	2.99	3.70	3.48	3.02	2.78	1.10
23	3.15	0.93	2.69	3.10	3.78	3.40	3.30	3.76	3.00	3.20	1.00	
24	3.37	2.20	2.85	3.10	3.62	3.72	3.19	3.61	2.40	3.30	2.14	
25	3.03	2.00	2.90	3.05	3.80	3.60	3.18	3.22	3.10	3.10	2.85	
26	2.95	2.00	3.10	2.78	3.68	3.99	4.15	2.93	3.32	3.00	2.45 F	1.00
27	2.39	2.50	3.36	2.45	2.96	3.00	3.90	2.80	3.15	2.85	2.50	1.50
28	2.90	2.14	3.45	2.49	2.54	4.17	3.80	2.54	3.35	3.10 F	1.70	1.60
29	2.68	-----	3.25	2.38	2.79	3.45	3.82	2.44	3.38	3.10	1.60	2.40
30	2.25	-----	2.65	2.25	3.35	3.70	3.75	3.52	3.25	3.20	2.00	2.55
31	1.90	-----	1.80	-----	3.85	-----	3.73	3.56	-----	2.70	-----	2.60

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.67	2.26	2.51	2.69	3.36	3.46	3.73	3.45	3.42	3.25	2.62	1.98
MAX	3.53	3.50	3.45	3.45	4.45	4.17	4.70	5.20	4.05	4.10	3.60	3.15
MIN	1.87	0.93	0.10	1.55	2.15	2.30	2.99	2.44	2.40	2.39	1.00	1.00
DAYS	31	28	31	30	31	29	31	31	30	31	30	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.96.

HIGHEST STAGE WAS 5.80 AT 11:40 A.M. ON AUG 1.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1969

DELCAMBRE CANAL AT DELCAMBRE, LA.

LOCATION. LAT. 29-56-55, LONG. 91-58-58. ON RIGHT BANK WHARF 800 FEET DOWNSTREAM FROM STATE HIGHWAY 14 BRIDGE. (STA. 7950013.)

GAGE. STAFF TYPE IN SEVERAL SECTIONS.

GENERAL INFORMATION. THE LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE JUNE 4, 1963.

RECORDS AVAILABLE. JAN. 1948 TO DATE.

EXTREMES. HIGHEST, 7.0 FEET, FROM WATERMARK LEFT BY HURRICANE OF JUNE 27, 1967. LOWEST, MINUS 3.2 FEET ON NOV. 17, 1951.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	2.0	1.0	1.0	1.2	2.0	2.4	3.4	1.6	1.8	1.8	1.0
2	1.0	1.6	1.5	2.0	1.4	2.0	2.8	3.0	1.8	2.0	2.2	1.6
3	1.5	2.0	1.9	2.6	2.0	1.8	1.8	1.8	1.0	2.0	1.0	1.0
4	-1.0	-1.5	2.4	2.8	2.4	2.2	2.6	1.6	0.6	2.2	1.6	1.0
5	2.0	-1.0	2.0	1.0	2.4	1.8	1.0	1.4	2.4	2.4	2.4	1.6
6	2.8	1.2	-1.5	0.8	1.0	1.6	0.8	1.4	2.8	2.8	2.2	1.2
7	2.6	-2.0	-1.5	1.0	1.2	1.0	1.0	1.2	2.8	2.5	2.0	1.6
8	2.2	0.5	0.5	1.5	1.0	2.2	1.4	1.0	2.8	1.6	2.2	1.0
9	1.0	-2.5	0.5	1.4	1.8	1.0	2.0	1.0	2.6	1.8	1.0	-2.0
10	1.9	0.5	-1.0	0.2	1.0	1.2	2.4	2.2	2.4	2.2	1.6	0.8
11	2.4	1.0	0.5	-1.5	0.5	1.4	1.8	1.8	2.2	2.2	1.8	2.0
12	1.9	1.2	1.0	1.4	1.0	2.2	2.2	2.0	2.0	2.6	1.8	0.8
13	1.5	1.6	1.0	1.4	1.8	2.6	2.0	1.4	2.0	2.2	2.4	-1.0
14	1.8	1.8	1.0	1.8	2.0	2.8	2.0	1.8	2.2	2.2	2.6	1.6
15	1.4	1.8	1.8	1.6	1.8	3.0	2.0	1.0	1.0	2.6	3.0	2.0
16	0.9	1.8	1.6	1.4	1.8	0.5	2.0	1.0	1.4	3.2	0.2	-2.0
17	1.0	0.9	2.0	2.0	2.8	1.4	1.2	1.4	1.6	2.8	0.6	1.2
18	1.8	0.5	2.2	1.6	3.2	1.8	1.0	1.2	1.8	1.0	2.2	-1.2
19	2.0	1.0	2.0	1.6	3.0	1.0	1.4	1.6	2.4	-2.0	1.8	1.4
20	1.9	2.5	2.4	0.5	3.0	1.0	1.8	1.4	2.4	-2.0	1.8	-2.0
21	-1.0	2.2	1.8	0.8	2.0	1.0	0.8	1.6	2.6	1.0	1.6	1.0
22	-1.5	-1.0	0.8	1.4	1.4	1.0	1.6	2.4	2.2	2.0	2.2	-2.0
23	1.9 F	-2.0	0.5	1.6	1.6	1.4	2.2	3.0	1.2	2.2	-1.0	-2.5
24	2.4	-0.2	1.0	1.4	1.0	1.6	1.8	2.6	1.5	2.2	1.0	-2.5
25	1.8	0.5	1.5	1.6	1.8	2.2	2.0	2.0	1.0	1.8	2.2	-1.0
26	1.8	1.2	1.5	1.0	2.0	2.8	2.6	2.4	1.0	1.8	1.6	-1.0
27	1.4	1.0	1.8	1.0	2.0	3.4	2.4	2.4	1.6	1.8	1.8	1.0
28	1.2	1.2	1.8	1.2	1.5	4.0	2.0	1.6	1.8	1.8	2.0	1.2
29	1.4	-----	2.2	1.6	1.2	4.0	2.0	1.6	1.8	2.0	-1.0	2.0
30	1.2	-----	2.0	1.4	2.2	3.2	2.0	1.0	2.0	2.2	0.8	1.8
31	1.0	-----	1.0	-----	2.2	-----	1.8	1.6	-----	1.8	-----	2.6

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.4	0.6	1.2	1.3	1.8	2.0	1.8	1.8	1.9	1.8	1.6	0.4
MAX	2.8	2.5	2.4	2.8	3.2	4.0	2.8	3.4	2.8	3.2	3.0	2.6
MIN	-1.5	-2.5	-1.5	-1.5	0.5	0.5	0.8	1.0	0.6	-2.0	-1.0	-2.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.5.

HIGHEST STAGE WAS 4.40 AT 4:00 P.M. ON JUL 28 AND LATER DATE(S).

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 2.5 ON FEB 9 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (NORTH) (LA.)

LOCATION. LAT. 29-20-33, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE
UPSTREAM SIDE OF FLOODGATE. (STA. 8225007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 2.57 FEET ON NOV. 25, 1986. LOWEST, MINUS 1.08 FEET ON JAN. 28, 1988.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.50	0.21	-0.04	0.95	1.13	1.41	2.00	1.00	0.99	0.67	0.00
2	0.36	0.44	0.42	0.37	0.54	1.13	1.33	1.39	0.84	1.12	0.85	0.43
3	0.29	0.52	0.42	0.38	0.79	1.03	1.19	1.00	0.83	0.90	0.58	0.24
4	0.03	0.32	0.82	0.77	1.12	0.96	1.05	0.86	1.12	0.93	0.83	0.34
5	0.29	0.52	1.01	0.42	1.13	1.05	0.83	0.64	1.50	1.11	0.99	0.44
6	0.77		-0.01	0.48	0.84	0.88	0.64	0.46	1.62	1.30	1.17	0.54
7	0.79	0.45	-0.32	0.46	0.60	0.85	0.70	0.70	1.61	1.28	1.17	
8		0.34	-0.12	0.35	0.44	1.13	0.74	0.79	1.54	1.26	1.44	
9		-0.22	-0.22	0.49	0.68	0.77	0.90	0.94	1.50	1.17	0.80	
10		0.02	0.06	0.07	0.17	0.87	1.19	1.04	1.43	1.44	0.51	
11		0.13	0.02	-0.31	0.11	0.83	1.24	1.04	1.44	1.26	0.55	0.18
12		-0.08	-0.01	-0.04	0.08	0.95	1.13	1.15	1.40	1.36	0.65	0.54
13		0.21	0.05	0.24	0.51	1.11	1.09	1.21	1.46	1.20	0.84	0.04
14		0.45	0.10	0.18	0.58	1.21	0.95	1.20	1.37	1.14	1.25	0.16
15		0.44	0.43	0.32	0.74	1.31	0.94	1.15	0.99	1.42	1.47	0.41
16			0.50	0.39	0.84	1.06	0.84	1.05	0.64	1.51	0.57	0.00
17		0.26	0.66	0.54	1.12	0.95	0.79	0.99	0.75	1.58	0.67	0.34
18		0.21	0.75	0.73	1.33	0.89	0.82	0.81	1.03	1.34	0.70	0.46
19		0.30	0.46	0.71	1.39	0.89	0.75	0.58	1.27	0.63	0.78	
20		0.71	0.66	0.49	1.08	0.82	0.67	0.82	1.26	0.39	0.51	
21		1.00	0.67	0.44	0.96	0.80	0.67	1.09	1.37	0.57	0.49	
22		0.00	0.60	0.66	0.86	0.72	0.73	1.48	1.27	0.64	0.70	-0.62
23		-0.60	0.72	0.69	0.75	0.87	0.90	1.59	1.12	0.69	-0.03	
24		-0.49	0.63	0.59	0.57	0.98	1.05	1.41	0.76	0.63	0.05	
25		-0.46	0.71	0.50	0.64	1.09	1.17	1.33	0.97	0.34	0.42	
26		-0.24	0.72	0.42	0.74	1.30	1.42	1.29	1.23	0.41	0.44	-0.49
27		0.21	0.66	0.33	0.35	1.60	1.41	1.22	1.06	0.36	0.65	-0.21
28		0.31	0.69	0.36	0.02	1.76	1.29	1.15	0.95	0.56	0.80	-0.16
29		-----	0.78	0.53	0.46	1.63	1.24	1.08	1.11	0.57	0.27	
30		-----	0.66	0.64	0.77	1.58	1.20	1.10	1.17	0.74		0.55
31		-----	0.15	-----	1.06	-----	1.37	1.08	-----	0.77	-----	0.90

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.42	0.20	0.42	0.41	0.72	1.07	1.02	1.09	1.19	0.96	0.72	0.20
MAX	0.79	1.00	1.01	0.77	1.39	1.76	1.42	2.00	1.62	1.58	1.47	0.90
MIN	0.03	-0.60	-0.32	-0.31	0.02	0.72	0.64	0.46	0.64	0.34	-0.03	-0.64
DAYS	6	26	31	30	31	30	31	31	30	31	29	20

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 326

THE MEAN STAGE FOR THE YEAR WAS 0.74.

HIGHEST STAGE WAS 2.00 AT 8:00 A.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 1.03 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU LAFOURCHE AT GOLDEN MEADOW FLOODGATE (SOUTH) (LA.)

LOCATION. LAT. 29-20-30, LONG. 90-14-44. APPROXIMATELY TWO MILES SOUTH OF GOLDEN MEADOW LA. ON THE
DOWNSTREAM SIDE OF FLOODGATE. (STA. 8226007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JUNE 13, 1986 TO DATE.

EXTREMES. HIGHEST, 2.87 FEET ON OCT. 9, 1986. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 1.01 FEET ON
DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.36	0.62	0.16	0.03	0.86	1.16	1.37	2.36	0.98	1.06	0.72	
2	0.26	0.52	0.30	0.46	0.47	1.18	1.29	1.75	0.83	1.20	0.94	
3	0.19	0.64	0.32	0.47	0.73	1.08	1.16	1.35	0.82	0.98	0.64	
4	-0.10	0.38	0.69	0.87	1.06	1.01	1.02	1.18	1.09	1.00	0.91	
5	0.19	0.66	0.90	0.49	1.08	1.06	0.82	0.98	1.46	1.16	1.08	
6	0.79	0.86	-0.10	0.57	0.78	0.90	0.62	0.80	1.60	1.35	1.23	
7	0.77	0.59	-0.38	0.54	0.54	0.88	0.78	1.05	1.60	1.34	1.23	
8	0.92	0.49	-0.18	0.41	0.37	1.16	0.81	1.14	1.54	1.31	1.47	
9	0.85	-0.12	-0.21	0.56	0.61	0.78	0.96	1.29	1.46	1.24	0.86	
10	0.94	0.09	0.06	0.15	0.12	0.87	1.26	0.96	1.40	1.50	0.53	
11	1.03	0.19	0.02	-0.22	0.04	0.82	1.31	0.99	1.41	1.32	0.61	
12	0.95	0.00	0.00	0.07	0.03	0.95	1.17	1.11	1.37	1.41	0.73	
13	0.62	0.33	0.02	0.35	0.45	1.10	1.14	1.19	1.42	1.23	0.92	
14	0.36	0.51	0.06	0.30	0.54	1.22	1.04	1.25	1.33	1.18	1.32	
15	0.17	0.56	0.40	0.43	0.69	1.32	1.02	1.11	0.95	1.46	1.54	
16	0.01		0.44	0.47	0.78	1.06	0.90	1.02	0.60	1.57	0.66	
17	-0.17	0.14	0.60	0.62	1.07	0.95	0.87	0.96	0.72	1.63	0.74	
18	0.18	0.06	0.68	0.82	1.37	0.89	0.89	0.78	1.00	1.39	0.77	
19	0.37	0.15	0.40	0.78	1.42	0.88	0.82	0.54	1.24	0.70	0.85	
20		0.58	0.58	0.55	1.12	0.82	0.73	0.79	1.23	0.44	0.57	
21		0.89	0.59	0.40	1.00	0.79	0.73	1.06	1.43	0.67	0.56	
22		-0.09	0.50	0.62	0.87	0.71	0.81	1.46	1.33	0.64		
23		-0.75	0.57	0.64	0.76	0.86	0.95	1.57	1.19	0.68	0.10	
24		-0.62	0.56	0.54	0.58	0.96	1.12	1.36	0.82	0.63	0.08	
25		-0.59	0.65	0.45	0.62	1.08	1.25	1.29	1.05	0.34	0.47	
26		-0.33	0.64	0.32	0.75	1.28	1.52	1.26	1.33	0.40	0.48	
27		0.17	0.60	0.28	0.41	1.59	1.75	1.19	1.15	0.37	0.78	
28		0.26	0.63	0.32	0.05	1.76	1.63	1.11	1.03	0.57	0.86	
29		-----	0.70	0.49	0.48	1.62	1.58	1.03	1.17	0.59	0.32	
30		-----	0.63	0.58	0.82	1.55	1.53	1.06	1.22	0.77		
31		-----	0.23	-----	1.12	-----	1.71	1.04	-----	0.80	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.46	0.23	0.36	0.45	0.70	1.08	1.11	1.16	1.19	1.00	0.79	
MAX	1.03	0.89	0.90	0.87	1.42	1.76	1.75	2.36	1.60	1.63	1.54	
MIN	-0.17	-0.75	-0.38	-0.22	0.03	0.71	0.62	0.54	0.60	0.34	0.08	
DAYS	19	27	31	30	31	30	31	31	30	31	28	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 319

THE MEAN STAGE FOR THE YEAR WAS 0.79.

HIGHEST STAGE WAS 2.66 AT NOON ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 1.01 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU BLUE NEAR CATFISH LAKE (LA.)

LOCATION. LAT. 29-23-31, LONG. 90-20-49. APPROXIMATELY 1.5 MILES NORTHWEST OF CATFISH LAKE.
(STA. 8230107.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1976 GAGE REPORTED AS (STA. 8230007.).

RECORDS AVAILABLE. SEP. 17, 1975 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 3.75 FEET (CAUSED BY HURRICANE BABE) ON SEP. 6, 1977.
LOWEST, (FROM INCOMPLETE RECORD) MINUS 0.59 FOOT ON DEC. 25, 1983.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.33	1.47	0.72	1.02	1.33	1.59	2.10	2.44	1.86	1.88	1.39	1.02
2	1.20	1.48	0.89	1.27	1.29	1.70	2.13	2.32	1.77	1.98	1.59	1.08
3	1.20	1.53	1.14	1.36	1.56	1.75	2.07	1.94	1.63	1.80	1.16 F	0.98
4	1.00	1.24	1.45	1.77	1.80	1.70	2.04	1.74	1.75	1.73	1.49	
5	1.09	1.30	1.90	1.54	1.92	1.77	1.73	1.58	2.02	1.81	1.62	1.06
6	1.62	1.39	1.33	1.20	1.66	1.70	1.65	1.37	2.20	1.95	1.74	1.12
7	1.60	1.03	0.87	1.42	1.37	1.67	1.52	1.51	2.23	2.02	1.76	1.10
8	1.75	0.98	0.65	1.27	1.27	2.12	1.42	1.47	2.22	1.86	1.98	1.40
9	1.40	0.22	0.35	1.35	1.67	2.04	1.55	1.49	2.17	1.60	1.67	0.60
10	1.40	0.61	0.63	0.86	1.37	1.65	1.73	1.60	2.05	1.77	1.36	0.79
11	1.62	0.82	0.72	0.00	0.81	1.68	1.82	1.63	2.06	1.83	1.45	1.05
12	1.65	0.78	0.74	0.59	0.80	1.70	1.81	1.67	1.97	1.92	1.46	1.31
13	1.46	1.05	0.78	0.90	1.17	1.87	1.76	1.60	2.00	1.77	1.54	0.91
14	1.00	1.27	0.97	0.94	1.30	1.90	1.71	1.65	2.05	1.60	1.85	0.99
15	1.15	1.27	1.31	1.15	1.42	2.20	1.62	1.74	1.78	1.94	2.11	1.10
16	1.09	1.27	1.34	1.14	1.48	1.71	1.62	1.73	1.51	2.23	1.62	0.25
17	F 1.02	1.13	1.44	1.25	1.66	1.52	1.53	1.71	1.45	2.37	1.32	0.61
18	1.06	1.07	1.50	1.38	1.77	1.45	1.45	1.60	1.67	2.10	1.24	0.59
19	1.16	1.12	1.38	1.47	1.88	1.51	1.50	1.47	1.89	1.37	1.23	1.05
20	1.38	1.47	1.47	1.14	1.86	1.53	1.48	1.63	1.89 F	0.64	1.08	0.54
21	0.58	1.88	1.57	1.07	1.75	1.50	1.37	1.80	1.92	1.33	1.11	0.58
22	1.29	1.04	1.20	1.28	1.63	1.43	1.56	2.03	1.92	1.33	1.31	0.19
23	1.35		1.36	1.37	1.64	1.52	1.57	2.30	1.75	1.35	0.95	
24	1.39 F	0.09	1.26	1.37	1.55	1.61	1.60	2.17	1.12	1.28	0.65 F	0.05
25	1.20	0.28	1.27	1.34	1.60	1.77	1.64	2.04	1.25	1.05	1.08	0.10
26	1.38	0.55	1.25	1.33	1.67	1.93	1.80	1.94	1.68	1.15	1.22	0.35
27	1.14	0.90	1.25	1.29	1.47	2.22	1.87	1.87	1.72	1.14	1.40	0.53
28	1.03	1.15	1.24	1.35	1.13	2.49	1.83	1.82	1.58	1.30	1.56	0.65
29	1.30	-----	1.40	1.41	1.16	2.37	1.78	1.73	1.54	1.35	0.68	0.90
30	1.20	-----	1.68	1.33	1.39	2.25	1.79	1.77	1.75	1.54 F	0.48	1.15
31	1.24	-----	1.50	-----	1.60	-----	1.87	1.83	-----	1.59	-----	1.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.27	1.05	1.18	1.21	1.48	1.79	1.71	1.78	1.81	1.63	1.37	0.81
MAX	1.75	1.88	1.90	1.77	1.92	2.49	2.13	2.44	2.23	2.37	2.11	1.55
MIN	0.58	0.09	0.35	0.00	0.80	1.43	1.37	1.37	1.12	0.64	0.48	0.05
DAYS	31	27	31	30	31	30	31	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.43.

HIGHEST STAGE WAS 2.87 AT 4:00 P.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 0.30 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU LAFOURCHE AT LEEVILLE, LA.

LOCATION. LAT. 29-14-52, LONG. 90-12-32. ON WHARF, NORTHEAST OF HIGHWAY 1 BRIDGE. (STA. 8235007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.4 TO DAILY STAGES PRIOR TO 1956.

RECORDS AVAILABLE. NOV. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 6.62 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.44 FEET ON FEB. 27, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.05	1.03	0.70	0.60	1.78	2.07	2.27	2.84	1.86	1.72	1.16	0.95
2	0.71	0.85	1.27	0.91	1.44	2.14	2.23	2.20	1.70	1.77	1.45	0.95
3	0.70	0.80	1.02	0.93	1.65	2.05	2.05	1.84	1.50	1.52	1.08	0.75
4	0.24	0.50	1.19	1.45	2.10 F	1.99	1.80	1.75	1.84	1.57	1.46	1.00
5	0.50	1.00	1.53	1.07	2.20	2.02	1.65	1.56	2.25	1.85	1.65	1.05
6	1.05	1.14	0.45	1.42	1.77	1.76 F	1.25	1.40	2.35	2.05	1.90	1.30
7	1.02	1.00	0.43	1.49	1.50	1.76	1.55	1.66	2.40	2.18	1.86	1.26
8	1.23	1.00	0.63	1.40	1.37	2.09	1.61	1.68	2.38	2.12	2.23	1.07
9	0.98	0.40	0.52	1.39	1.60	1.50	1.70	1.82	2.33	1.93	1.35	0.17
10	1.45	0.90	0.94	0.87	1.15	1.69	1.96	1.99	2.42	2.40	1.20	0.24
11	1.55	1.05	0.90	0.50	0.92	1.60	2.06	1.98	2.43	2.13	0.94	0.50
12	1.67	0.80	0.80	0.80	0.87 F	1.76	2.00	2.10	2.43	2.19	1.00	0.84
13	1.37	1.03	0.84	1.00	1.37	1.96	2.02	2.21	2.43	1.85	1.17	0.56
14	1.20	0.83	0.80	0.92	1.44	2.07	1.89	2.25	2.30	1.63	1.62	0.65
15	0.94	0.68	0.97	1.17	1.52	2.13	1.95	2.14	1.90	1.93	1.89	0.94
16	0.34	0.55	0.90	1.10	1.64	1.91	1.82	2.03	1.44	2.05	1.09	0.49
17	0.40	0.51	0.96	1.34 F	1.80 F	1.76	1.75	1.94	1.23	2.19	1.17	0.90
18	0.50	0.66	1.06	1.55	2.11	1.75	1.76	1.70	1.58	2.05	1.22	1.04
19	0.64	0.78	0.87	1.61	2.37 F	1.77	1.67	1.42	1.90	1.62	1.40	1.38
20	0.90	1.30	1.17	1.45	1.95	1.70	1.56	1.60	1.95	1.31	1.21	0.78
21	0.57	1.58	1.33	1.42	1.93	1.66	1.53	1.85	2.14	1.55	1.20	0.62
22	1.15	0.75	1.25	1.67	1.74	1.52	1.55	2.34	2.17	1.52	1.38 F	-0.03
23	1.00	0.22	1.52	1.66	1.66	1.68	1.67	2.52	2.02	1.57	0.45 F	-0.03
24	1.07	0.28	1.37	1.54	1.49	1.77 F	1.84	2.33	1.67	1.40	0.67 F	-0.03
25	0.99	0.45	1.50	1.46	1.50 F	1.75	1.87	2.33	2.03	1.16	1.00 F	-0.05
26	1.28	0.70	1.49	1.32	1.58	2.07	2.24	2.32	2.28	1	0.97	-0.10
27	1.05	1.18	1.37	1.29	1.26	2.40	2.33	2.25	2.02	1.01	1.07	0.15
28	1.14	1.17	1.35	1.29	0.92	2.61	2.27	2.14	1.69	1.10	1.17	0.26
29 F	1.33	-----	1.43	1.27 F	1.27	2.45	2.27	2.08	1.84	1.13	0.54	0.67
30	1.40	-----	1.35	1.42	1.58	2.46	2.20	2.05	1.89	1.25	0.50	1.00
31	0.90	-----	0.85	-----	1.90	-----	2.25	1.98	-----	1.30	-----	1.50

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.98	0.83	1.06	1.24	1.59	1.93	1.89	2.01	2.01	1.69	1.23	0.67
MAX	1.67	1.58	1.53	1.67	2.37	2.61	2.33	2.84	2.43	2.40	2.23	1.50
MIN	0.24	0.22	0.43	0.50	0.87	1.50	1.25	1.40	1.23	1.04	0.45	-0.10
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.43.

HIGHEST STAGE WAS 3.06 AT 11:30 A.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 0.10 ON DEC 26 AND LATER DATE(S).

DAILY STAGE FOR 1989

BAYOU CHEVREUIL NEAR CHEGBY, LA.

LOCATION. LAT. 29-54-42, LONG. 90-43-48. ON PILING IN BORROW PIT, 300 FEET NORTH OF HIGHWAY 20 BRIDGE, 5.5 MILES NORTHEAST OF CHEGBY, LA. (STA. 8252507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DISREGARD GAGE ZERO REPORTED PRIOR TO 1969, GAGE ZERO WAS MINUS 0.60 FOOT NGVD FROM 1951 TO 1975. PRIOR TO 1976 GAGE ZERO WAS MINUS 0.60 FEET, NGVD.

RECORDS AVAILABLE. JULY 11, 1951 TO DATE.

EXTREMES. HIGHEST, 4.35 FEET ON APR. 14 AND LATER DATES IN 1980. LOWEST, MINUS 1.00 FOOT ON JAN. 14, 1956. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1961 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.54	1.45	1.00	1.65	1.83	1.77	2.48	2.43	1.78	1.76	1.35	1.93
2	1.48	1.54	1.17	1.55	1.63	2.00	2.45	2.49	1.70	1.70	1.38	1.77
3	1.40	1.60	1.20	1.72	1.40	2.12	2.40	2.50	1.60	1.70	1.29	1.69
4	1.31	1.40	1.42	1.75	1.54	2.10	2.43	2.48	1.55	1.63	1.09	1.48
5	1.18	1.14	1.70	1.85	1.78	2.09	2.43	2.43	1.74	1.56	1.20	1.31
6	1.30	1.04	1.33	1.62	1.76	2.35	2.40	2.35	1.87	1.61	1.33	1.29
7	1.43	0.89	1.05	1.37	1.65	2.35	2.38	2.23	1.97	1.69	1.74	2.09
8	1.63	0.65	0.74	1.21	1.53	2.32	2.37	2.14	2.00	1.62	2.49	2.42
9	1.56	0.59	0.49	1.33	1.49	2.41	2.35	2.02	1.98	1.60	2.66	2.43
10	1.47	0.33	0.34	1.42	1.47	2.38	2.27	1.88	1.98	1.59	2.66	2.38
11	1.45	0.45	0.43	1.19	1.35	2.37	2.26	1.84	1.94	1.62		2.34
12	1.60	0.68	0.55	1.03	1.21	2.34	2.24	1.87	1.95	1.70		2.38
13	1.61	0.91	0.65	1.13	1.24	2.27	2.15	1.88	1.99	1.83 F	2.42	2.35
14	1.46	1.18	0.76	1.25	1.67	2.24	2.25	1.87	2.02	1.87	2.45	2.27
15	1.55	1.43	1.08	1.25	1.73	2.38	2.21	1.84	1.95	1.90	2.50	2.18
16	1.38	1.45	1.35	1.24	1.66	2.36	2.19	1.80	1.78	1.96	2.59	2.12
17	1.18	1.37	1.46	1.38	1.78	2.32	2.09	1.76	1.65	1.99	2.54	2.00
18	1.12	1.16	1.59	1.50	1.90	2.26	2.10	1.84	1.57	2.06	2.51	1.92
19	1.28	0.97	1.55	1.54	2.22	2.19	2.04	1.75	1.59	1.75	2.40	1.86
20	1.89	1.08	1.57	1.38	2.19	2.17	1.96	1.64	1.64	1.35	2.33	1.85
21	1.94	1.27	1.63	1.17	2.17	2.12	1.88	1.67	1.65	1.01	2.21	1.67
22	1.73	1.05	1.63	1.10	2.25	2.24	1.85	1.70	1.64	1.03	2.12	1.52
23	1.53	0.68	1.57	1.25	2.20	2.35	2.00	1.86	1.51	1.14	2.23	
24	1.53	0.34	1.35	1.38	2.13	2.36	2.25	1.91	1.46	1.22	2.17	
25	1.53	0.17	1.36	1.48	2.03	2.33	2.25	1.86	1.25	1.23	2.05	0.87
26	1.48	0.14	1.52	1.50	2.00	2.29	2.29	1.85	1.03	1.18	2.00	0.76
27	1.50	0.37	1.62	1.47	1.98	2.30	2.29	1.80	1.20	1.24	1.98	0.78
28	1.38	0.65	1.78	1.57	1.85	2.33	2.30	1.74	1.37	1.26	2.00	0.84
29	1.46	-----	1.86	1.64	1.65	2.49	2.30	1.86	1.64	1.37	2.18	0.90
30	1.55	-----	1.90	1.75	1.61	2.51	2.24	1.83	1.78	1.43	2.11	1.21
31	1.45	-----	1.80	-----	1.66	-----	2.22	1.82	-----	1.39	-----	1.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.48	0.93	1.27	1.42	1.76	2.27	2.24	1.97	1.69	1.55	2.07	1.74
MAX	1.94	1.60	1.90	1.85	2.25	2.51	2.48	2.50	2.02	2.06	2.66	2.43
MIN	1.12	0.14	0.34	1.03	1.21	1.77	1.85	1.64	1.03	1.01	1.09	0.76
DAYS	31	28	31	30	31	30	31	31	30	31	28	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 361

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.70.

HIGHEST STAGE WAS 2.66 AT 4:00 A.M. ON NOV 9 AND LATER DATE(S).

LOWEST STAGE WAS 0.00 ON FEB 25.

DAILY STAGE FOR 1989

BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA.

LOCATION. LAT. 29-49-26, LONG. 90-28-36. ON HIGHWAY 631 BRIDGE. (STA. 8270007.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. JAN. 18, 1950 TO DATE.

EXTREMES. HIGHEST, 3.92 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 0.30 FOOT FROM JAN. 13 TO 15, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.09	1.09		1.11	1.38	1.28		1.87	1.30	1.18	0.91	0.49
2		1.12		1.10	1.05	1.42		2.03	1.26	1.23	1.00	0.43
3		1.20		1.29	0.88			1.92	1.14	1.25	0.80	0.41
4		0.97		1.37	1.11			1.76	1.18	1.18	0.64	0.20
5 F	0.77	0.77		1.44	1.28		F 1.60	1.58		1.11	0.74	
6	0.93	0.70		1.08	1.31		1.64 F	1.09		1.20	0.88	
7	1.03	0.54		0.92	1.15		1.55			1.22	1.30	
8	1.24	0.28 F	0.24	0.76	1.05	1.51	1.48			1.18	1.68	
9	1.12	0.13	0.08	0.87	1.08	1.68	1.40 F	0.88		1.12	1.84	
10	1.01	0.00	-0.08	0.97	1.10	1.57	1.47	0.84		1.16	1.63	
11	1.00		0.05	0.68	0.89	1.49	1.54	0.94		1.18	1.52	
12	1.16		0.17	0.55	0.78	1.47	1.48	1.08		1.31	1.47	
13	1.20		0.29	0.70	0.79	1.46	1.32	1.19		1.43	1.43 F	0.62
14	0.97		0.43	0.82	1.02	1.49	1.19	1.22	F	1.46	1.53	
15	0.94 F	1.05	0.83	0.93	1.18	1.66	1.05	1.22			1.60	
16	0.90	1.08	1.05	0.86	1.09	1.59	1.04	1.23		F	1.18	
17	0.68	0.96	1.10	0.95	1.31	1.45		1.23		F	1.13	
18	0.70	0.77	1.25	1.10	1.50	1.40		1.19			1.10	
19	0.85	0.62	1.15	1.05	1.70	1.33		1.10			1.07	
20	1.10	0.68	1.17	1.00	1.69	1.40 F	0.95	1.10 F	1.21		0.98	
21	1.00	1.04	1.22	0.74	1.60	1.38	0.96	1.22	1.18	0.49	0.88	
22	0.80	0.78	1.19	0.67	1.62	1.43	1.11	1.30	1.13	0.58	0.90	
23	0.80 F	0.48	1.00	0.80	1.53	1.55	1.25	1.49	1.02	0.67		
24	0.92		0.80	0.95	1.43	1.60	1.31	1.50	0.90	0.78		
25	0.91		0.90	1.04	1.39	1.56	1.40	1.37	0.70	0.75		
26	0.93		1.08	1.05	1.44	1.62	1.52	1.35	0.62	0.74		
27	0.96		1.14	1.18	1.45 F	1.95	1.51	1.30	0.80	0.82		
28	0.83		1.34	1.07	1.19		1.47	1.25	0.97	0.85		
29	1.02	-----	1.48	1.27	0.98		1.42	1.25	1.02	0.98 F	1.09	
30	1.10	-----	1.52	1.34	1.05		1.42	1.28	1.24	1.03	0.80	
31	1.04	-----	1.46	-----	1.15	-----	1.60	1.32	-----	1.03	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.96	0.75	0.87	0.99	1.23	1.51	1.36	1.31	1.04	1.04	1.17	0.43
MAX	1.24	1.20	1.52	1.44	1.70	1.95	1.64	2.03	1.30	1.46	1.84	0.62
MIN	0.68	0.00	-0.08	0.55	0.78	1.28	0.95	0.84	0.62	0.49	0.64	0.20
DAYS	28	19	24	30	31	22	24	29	15	25	24	5

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 276

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.11.

HIGHEST STAGE (FROM INCOMPLETE RECORDS) WAS 2.03 AT 8:00 A.M. ON AUG 2.

LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

BAYOU BARATARIA AT BARATARIA, LA.

LOCATION. LAT. 29-44-29, LONG. 90-07-56. ON TOUCHARDS MARINE WHARF AT JUNCTION WITH BAYOU VILLARS.
(STA. 8275007.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ON DEC. 3, 1981 GAGE RESET TO NGVD. STAGES FROM JAN. 1 THRU DEC. 3, 1981
WERE CORRECTED TO NEW DATUM.

RECORDS AVAILABLE. JAN. 6 TO SEP. 26, 1950, AND NOV. 2, 1951 TO DATE.

EXTREMES. HIGHEST, 4.25 FEET (CAUSED BY HURRICANE) OCT. 29, 1985. LOWEST, MINUS 0.58 FOOT ON
(CAUSED BY HURRICANE) ON SEP. 9, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.15	1.28	0.68	0.90	1.37	1.40	2.01	2.10	1.49	1.48	1.00	
2	1.03	1.28	0.94	1.17	0.98	1.55	1.95	2.20	1.45	1.52	0.30	
3	1.07	1.32	0.95	1.35	0.98	1.50	1.92	1.90	1.30	1.48		
4	0.68	0.95	1.22	1.60	1.34	1.50	1.85	1.64	1.25	1.45	0.90	
5	0.87	0.85	1.85	1.45	1.55	1.60	1.65	1.40	1.55	1.30	0.97	
6	1.21	0.90	1.20	0.98	1.38	1.55	1.55	1.15	1.75	1.45	1.13 F	0.60
7	1.25	F	0.70	0.95	1.12	1.55	1.40	1.02	1.80	1.50	1.39	1.00
8	1.34 F	0.40 F	0.30	0.80	1.05	1.90	1.35	0.85	1.80	1.30	2.10	1.34
9	1.17			0.87	1.28	1.75	1.31	0.92	1.70	1.10	1.70	0.80
10	1.02			0.80	1.28	1.54	1.55	1.03	1.65	1.30	1.49	
11	1.19				0.72	1.55	1.58	1.10	1.60	1.30	1.41	0.83
12	1.29 F	0.63	F	0.60	0.71	1.54	1.47	1.15	1.55	1.40	1.39	1.01
13	1.15	0.65 F	0.70	0.75	0.93	1.68	1.30	1.27	1.63	1.53	1.41 F	0.70
14	0.82	1.00	0.75	0.88	1.40	1.70	1.23	1.35	1.65	1.48	1.61	
15	1.00	1.15	1.10	1.03	1.22	1.92	1.09	1.31	1.55	1.57	1.80	
16	0.90	1.10	1.15	0.90	1.16	1.60	1.09	1.32	1.25	1.87	1.50	
17	0.70	0.92	1.30	1.10	1.38	1.38	0.98	1.29	1.20	1.94	0.93	
18	0.80	0.80	1.40	1.18	1.65	1.33	1.00	1.27	1.30	1.75 F	0.90	
19	0.80	0.70	1.25	1.20	1.85	1.33	1.07	1.20	1.30	1.13 F	0.91	
20	1.10	0.85	1.35	0.85	1.80	1.40	0.99	1.30	1.35	0.73	0.88	
21	F	0.70	1.25	1.40	1.60	1.38	0.98	1.40	1.40	0.73	0.88	
22		0.80	1.05	0.80	1.55	1.44	1.22	1.51	1.48	0.77	1.01	
23			0.95	0.98	1.55	1.50	1.28	1.70	1.20	0.85	0.80	
24			0.72	1.02	1.50	1.68	1.25	1.68	0.80	0.88	0.73 F	0.05
25			0.90	1.10	1.50		1.33	1.53	0.75 F	0.90	0.79	
26	1.02		1.02	1.10	1.65		1.50	1.50	0.93	0.80	0.99	
27	0.95 F	0.55	1.10	1.10	1.55		1.48	1.47	1.00	0.90	1.19	
28	0.75	0.79	1.25	1.23	1.19 F	1.90	1.42	1.38	1.10	1.00	1.35	
29	1.18	-----	1.45	1.41	1.00	2.10	1.43	1.38	1.15	1.05	0.75	
30	1.13	-----	1.65	1.32	1.20	2.12	1.43	1.40	1.52	1.25	F	0.60
31	1.10	-----	1.50	-----	1.35	-----	1.52	1.50	-----	1.25	-----	1.00

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.00	0.91	1.10	1.04	1.32	1.61	1.39	1.39	1.38	1.26	1.15	0.79
MAX	1.34	1.32	1.85	1.60	1.85	2.12	2.01	2.20	1.80	1.94	2.10	1.34
MIN	0.68	0.40	0.30	0.60	0.71	1.33	0.98	0.85	0.75	0.73	0.30	0.05
DAYS	31	20	27	29	31	27	31	31	30	31	28	10

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 326

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.23.

HIGHEST STAGE WAS 2.50 AT 2:45 P.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS 0.05 ON DEC 24.

DAILY STAGE FOR 1989

BAYOU BARATARIA AT LAFITTE, LA.

LOCATION. LAT. 29-40-06, LONG. 90-06-36. ON WHARF NEAR MARRERO AND FOURTH STREETS.
(STA. 8287507.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. OCT. 19, 1955 TO DEC. 31, 1960, AND MAY 1, 1963 TO DATE.

EXTREMES. HIGHEST, 5.05 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, (FROM INCOMPLETE RECORDS) MINUS 0.95 FOOT ON DEC. 23, 1989

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.95	1.12	0.58	0.76	1.35	1.52	2.00	2.33	1.40	1.25	0.80	0.60
2	0.90	1.12	0.77	1.20	0.98	1.59	1.95	2.10	1.25	1.40	1.10	0.70
3	0.90	1.17	0.85	1.30	1.10	1.48	1.92	1.73	1.20	1.29	0.65	0.40
4	0.60	0.80	1.17	1.60	1.56	1.50	1.81	1.48	1.30	1.18	0.89	0.40
5	0.75	0.73	1.59	1.35	1.70	1.64	1.58	1.22	1.62	1.21	1.05	0.65
6	1.11	0.82	1.03	0.94	1.33	1.58	1.50	1.00	1.80	1.35	1.20	0.71
7	1.19	0.52	0.44	0.90	1.05	1.50	1.38	1.00	1.80	1.35	1.48	0.97
8	1.30	0.40	0.23	0.98	1.01	1.85	1.30	0.92	1.75	1.15	1.90	1.17
9	1.10	-0.19	0.00	0.93	1.30	1.70	1.36	1.00	1.65	1.03	1.55	0.49
10	1.10	0.01	0.07	0.72	1.18	1.41	1.60	1.14	1.55	1.27	1.32	0.50
11	1.30	0.30	0.10	0.23	0.72	1.45	1.61	1.17	1.50	1.26	1.31	0.75
12	1.30	0.35	0.20	0.49	0.71	1.57	1.48	1.23	1.49	1.39	1.29	0.89
13	1.02	0.63	0.37	0.80	0.98	1.63	1.35	1.31	1.52	1.32	1.35	0.39
14	0.85	0.95	0.63	0.86	1.22	1.71	1.25	1.40	1.49	1.28	1.60	0.52
15	0.80	1.00	1.00	1.03	1.30	1.87	1.12	1.35	1.30	1.52	1.81	0.75
16	0.77	1.00	1.09	0.94	1.27	1.58	1.12	1.30	1.02	1.78	0.21	0.20
17	0.50	0.83	1.19	1.11	1.52	1.40	0.99	1.28	1.00	1.85	1.00	0.30
18	0.66	0.70	1.29	1.22	1.79	1.35	1.09	1.20	1.12	1.55	1.00	0.50
19	0.73	0.62	1.10	1.21	1.90	1.39	0.99	1.12	1.28	0.76	0.99	0.80
20	1.00	1.00	1.23	0.83	1.78	1.37	1.06	1.30	1.31	0.55	0.87	0.45
21	0.50	1.20	1.28	0.67	1.60	1.38	0.88	1.43	1.33	0.59	0.89	0.39
22	0.75	0.60	0.90	0.91	1.60	1.40	1.10	1.60	1.32	0.69	1.02	-0.17
23	0.90	-0.20	0.75	1.05	1.57	1.49	1.29	1.80	1.10	0.75	0.56 F	-0.95
24	1.01	-0.44	0.85	1.05	1.40	1.58	1.30	1.63	0.55	0.78 F	0.50	
25	0.90	-0.27	1.03	1.05	1.58	1.59	1.45	1.52	0.60	0.59		
26	1.05	0.05	1.05	1.04	1.64	1.76	1.64	1.49	0.90	0.68		-0.25
27	0.82	0.45	1.15	1.06	1.43	2.05	1.64	1.40	0.93	0.70		0.05
28	0.76	0.76	1.30	1.19	1.03	2.31	1.55	1.35	0.95	0.78		0.18
29	1.10	-----	1.45	1.35	1.03	2.19	1.51	1.35	1.10	0.88		0.51
30	1.00	-----	1.53	1.32	1.33	2.20	1.48	1.40	1.35	0.99		0.79
31	0.97	-----	1.25	-----	1.50	-----	1.55	1.40	-----	0.99	-----	1.18

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.92	0.57	0.89	1.00	1.34	1.63	1.41	1.39	1.28	1.10	1.10	0.48
MAX	1.30	1.20	1.59	1.60	1.90	2.31	2.00	2.33	1.80	1.85	1.90	1.18
MIN	0.50	-0.44	0.00	0.23	0.71	1.35	0.88	0.92	0.55	0.55	0.21	-0.95
DAYS	31	28	31	30	31	30	31	31	30	31	24	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 356

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.10.

HIGHEST STAGE WAS 2.75 AT 2:45 P.M. ON AUG 1.

LOWEST STAGE (FROM INCOMPLETE RECORDS) WAS MINUS 0.95 ON DEC 23.

DAILY STAGE FOR 1989

COMITE RIVER NEAR BAKER, LA.

LOCATION. LAT. 30-35-47, LONG. 91-05-38. DYER ROAD BRIDGE, 4.5 MILES EAST OF BAKER, LA.
(STA. 8501609.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 15, 1965 TO DATE.

EXTREMES. HIGHEST, 73.34 FEET ON APR. 16, 1967. LOWEST, CHANNEL DRY ON OCT. 25, 1973 AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEE.

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	61.65 F	52.90	B				57.90	B	B		B	
2	57.62						F 55.50					
3	F 55.20				B		56.23					
4	F 53.82			F 53.70	F 55.48		58.85			B		
5					59.00		59.90					B
6					55.55	56.44 F	55.50					
7						B		F 55.50			F 55.20	F 55.20
8		F 53.00	B			58.22		58.80	B		F 55.10	F 59.38
9						56.00		F 55.42				57.38
10												F 55.35
11	F 54.95				B					B		B
12				B			B					
13									B			
14	F 55.10					B					B	
15	55.56 F	52.78	B			57.65		B			F 55.20	
16						F 55.50					55.45	
17					56.20					F 55.25		
18	B				55.40					55.50		
19	55.54			B	62.23		B		B			B
20	F 55.10				60.10		F 54.50					
21					56.00	B	55.60				B	
22		F 56.04	F 54.05					B				
23		56.23	56.50									
24					B							
25	F 55.15									F 54.15		
26				B			B					B
27						F 55.50			B			
28						61.40		B			B	
29		----- F	55.45			62.55						F 55.30
30		-----	58.68			59.35			F 54.26			57.29
31		-----	57.84	-----	B	-----			-----		-----	56.79

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	55.97	54.19	56.50	53.70	57.50	58.07	56.75	56.57	54.26	54.97	55.24	56.67
MAX	61.65	56.23	58.68	53.70	62.23	62.55	59.90	58.80	54.26	55.50	55.45	59.38
MIN	53.82	52.78	54.05	53.70	55.40	55.50	54.50	55.42	54.26	54.15	55.10	55.20
DAYS	10	5	5	1	8	9	8	3	1	3	4	7

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 64
 B=CHANNEL DRY F=NOT AT STATED TIME
 THE MEAN STAGE FOR THE YEAR WAS 56.41.
 HIGHEST STAGE WAS 62.76 AT 11:30 P.M. ON JUN 28.
 LOWEST STAGE WAS NOT DETERMINED.

DAILY STAGE FOR 1989

WHITE BAYOU NEAR ZACHARY, LA.

LOCATION. LAT. 30-38-12, LONG. 91-07-39. LOWER ZACHERY ROAD, TWO MILES SOUTHEAST OF ZACHARY, LA.
(STA. 8501909.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO AUG. 1972,
GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT, AND THE GAGE ZERO
WAS AT NGVD. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. JAN. 1965 TO DATE.

EXTREMES. HIGHEST, 23.24 FEET ON APR. 6, 1983. LOWEST, 2.29 FEET ON OCT. 14, 1989.
EXTREMES HAVE BEEN CORRECTED TO PRESENT DATUM.

MEAN DAILY STAGE IN FEET

GAGE ZERO, 65.00 FEET, NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.81			4.00		3.13	10.10	3.65	2.80	3.39		2.83
2	8.61		5.21	3.65	2.85	4.27	7.87	3.91	2.65	3.05		2.76
3	4.51		6.33	3.44	2.83	8.64	11.14	3.26	2.57	2.82		2.62
4				3.45	5.11	7.39	11.08	3.01	2.50	2.73		2.55
5				4.59		8.67	7.98	2.84	2.46	2.50		2.50
6				4.11			5.57	2.70	2.44	2.42		2.79
7				3.51		9.49	5.59	3.71	2.43	2.39		11.85
8				3.28			8.72	11.93	2.42	2.50	5.98	14.54
9				3.14	2.79	9.17	5.11	7.21	2.41	2.41	4.69	9.03
10	6.53			3.05	3.27	4.69	5.84	3.81	2.50	2.34	3.79	4.33
11	6.51			3.02	3.33	3.95	4.13	3.39	3.90	2.32	3.31	3.98
12	5.08			2.93	3.15	3.79	3.62	3.17	3.25	2.31	3.02	7.11
13	5.53			2.87	3.25	3.51	3.27	3.05	3.10	2.32	3.12	4.91
14	7.38			2.84	3.29		3.16	2.97	3.08	2.30	4.02	3.92
15	7.42			2.85	4.00	11.83	3.67	2.86	3.32	2.29	6.49	3.67
16	4.68		2.83	2.83	8.80	5.62	3.73	2.76	2.77	2.34	8.66	3.50
17	4.57		2.86	2.79	10.78	3.87	3.61	2.67	2.55	6.13	4.21	3.30
18	5.12		3.24	2.74	9.28	3.47	3.32	2.76	2.44	7.56	3.49	3.32
19	9.28		3.23	2.71		3.26	2.95	3.09	2.40	3.82	3.20	4.20
20	7.22		3.21	2.69		3.14	7.99	2.79	2.37	3.24	3.00	3.96
21	5.88	5.70	3.49	2.70	7.00	3.04	6.91	2.64	2.34	2.97	2.89	3.58
22		5.00	6.78	2.72	4.86	2.96	3.87	2.60	2.34	2.81	4.43	3.32
23			10.28	2.71	4.11	3.57	4.26	3.04	2.45	2.67	7.94	3.11
24			5.24	2.67	4.03	3.32	5.78	3.45	2.55	2.56	4.44	3.00
25			4.08		3.69	3.68	3.93	4.31	2.61		3.66	2.96
26			3.66		3.45	4.19	3.50	3.34	2.52		3.33	2.98
27			3.47		3.31	3.83	3.24	3.03	2.53		3.19	3.00
28			3.34		3.23	19.27	3.11	2.90	2.52		3.22	2.98
29		-----	8.28		3.15	22.63	3.37	3.58	3.81		3.07	7.33
30		-----	13.52		3.11	19.62	2.98	4.46	5.31		2.94	11.59
31		-----	6.29	-----	3.95	-----	2.88	3.05	-----	-----	-----	8.26

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	7.08	5.35	5.30	3.14	4.44	6.81	5.23	3.61	2.78	3.01	4.18	4.83
MAX	17.81	5.70	13.52	4.59	10.78	22.63	11.14	11.93	5.31	7.56	8.66	14.54
MIN	4.51	5.00	2.83	2.67	2.79	2.96	2.88	2.60	2.34	2.29	2.89	2.50
DAYS	15	2	18	24	24	27	31	31	30	24	23	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 280
THE MEAN STAGE FOR THE YEAR WAS 4.48.
HIGHEST STAGE WAS 23.06 AT NOON ON JUN 29.
LOWEST STAGE WAS 2.29 ON OCT 14.

DAILY STAGE FOR 1989

AMITE RIVER NEAR DENHAM SPRINGS, LA.

LOCATION. LAT. 30-27-50, LONG. 90-59-25. U. S. HIGHWAY 190 (WESTBOUND) BRIDGE, THREE MILES
SOUTHWEST OF DENHAM SPRINGS, LA. (STA. 8504009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. DRAINAGE AREA, 1,280
SQUARE MILES. PRIOR TO 1977 GAGE ZERO WAS 3.87 FEET, NGVD.

RECORDS AVAILABLE. STAGE, SEP. 1938 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1946.

DISCHARGE, 1955, OBSERVED BY CORPS OF ENGINEERS. COMPUTED DAILY, IN REPORTS OF U.S. GEOLOGICAL
SURVEY.

EXTREMES. HIGHEST, 41.50 FEET ON APR. 8, 1983. LOWEST, 8.43 FEET ON NOV. 18, 1938. EXTREMES
HAVE BEEN ADJUSTED TO NGVD.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25.84	12.71	12.62	25.97	12.57	12.40	26.36	13.74	11.86	18.92	11.38	12.35
2	29.13	12.64	13.78	22.24	12.11	13.24	22.36	14.24	11.74	16.13	12.02	12.14
3	27.69	12.53	15.94	16.34	11.70	15.88	20.81	12.90	11.70	14.10	11.68	12.03
4	24.68	12.43	17.40	14.80	13.83	15.47	24.57	12.78	11.63	12.82	11.43	11.93
5	19.37	12.39	15.74	16.73	24.32	15.24	27.67	12.56	11.59	12.28	11.37	11.87
6	15.72	12.51	14.36	18.07	23.90	20.81	27.75	12.42	11.73	12.00	11.35	12.80
7	14.78	13.28	13.98	15.48	19.82	19.77	24.85	12.83	11.94	11.84	15.75	19.21
8	14.25	13.07	13.60	13.74	15.62	21.81	21.63	19.02	11.96	11.82	26.09	24.26
9	13.90	12.79	13.02	13.18	13.30	25.41	18.82	17.98	11.68	11.70	24.23	26.66
10	14.58	12.53	12.68	12.86	12.65	22.90	16.73	13.39	11.95	11.60	18.79	25.72
11	17.14	12.36	12.47	12.72	12.30	17.94	18.52	12.62	11.80	11.55	14.25	22.71
12	17.60	12.26	12.31	13.01	12.06	15.31	16.89	12.42	14.40	11.52	13.07	18.32
13	17.59	12.20	12.16	12.82	12.05	14.59	15.18	12.29	13.40	11.51	12.59	18.11
14	18.97	12.17	12.06	12.51	11.92	16.89	14.37	12.17	12.96	11.48	13.84	16.49
15	22.30	12.20	11.96	12.37	12.11	24.67	14.08	12.08	15.13	11.48	15.22	15.04
16	21.90	12.07	11.88	12.23	13.48	24.70	15.73	12.03	13.77	11.50	18.43	14.31
17	18.46	12.01	11.81	12.13	18.78	21.98	15.89	12.02	13.10	14.69	15.97	13.77
18	15.95	11.94	11.75	12.00	18.04	17.01	16.19	12.04	12.38	19.20	13.94	13.44
19	18.13	11.90	11.70	11.92	26.84	14.54	14.96	12.23	11.93	14.46	12.99	13.44
20	20.62	11.90	11.65	11.85	28.99	13.82	15.54	12.13	11.74	12.54	12.56	13.82
21	20.42	12.75	11.70	11.78	29.47	13.41	19.60	11.99	11.65	12.18	12.33	13.55
22	19.14	19.69	13.43	11.73	27.32	13.80	17.01	11.89	11.59	11.84	12.59	13.22
23	16.62	22.17	19.41	11.69	23.82	13.51	14.90	11.89	11.55	11.69	16.28	12.94
24	15.02	17.35	19.81	11.66	18.69	12.88	14.18	11.89	11.51	11.61	16.07	12.72
25	14.34	14.23	16.76	11.63	15.23	12.79	15.12	11.89	11.49	11.55	14.07	12.58
26	13.89	13.44	14.42	11.61	14.22	12.71	13.96	11.82	11.48	11.50	13.16	12.47
27	13.57	13.03	13.36	11.74	13.64	12.53	13.37	11.78	11.46	11.46	12.73	12.42
28	13.31	12.80	12.80	11.90	13.26	23.60	13.60	11.83	11.46	11.43	13.17	12.40
29	13.10	-----	16.77	11.70	12.96	28.16	14.14	12.33	13.04	11.41	13.27	13.79
30	12.98	-----	25.34	11.65	12.72	28.20	14.32	13.27	18.48	11.39	12.72	19.55
31	12.82	-----	27.46	-----	12.52	-----	13.55	12.28	-----	11.37	-----	24.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	17.86	13.33	14.65	13.67	16.78	17.87	17.83	12.80	12.40	12.60	14.44	15.74
MAX	29.13	22.17	27.46	25.97	29.47	28.20	27.75	19.02	18.48	19.20	26.09	26.66
MIN	12.82	11.90	11.65	11.61	11.70	12.40	13.37	11.78	11.46	11.37	11.35	11.87
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
THE MEAN STAGE FOR THE YEAR WAS 15.02.
HIGHEST STAGE WAS 29.86 AT 4:00 A.M. ON MAY 21.
LOWEST STAGE WAS 11.35 ON NOV 6.

DAILY STAGE FOR 1989

ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (UPPER)

LOCATION. LAT. 30-19-15, LONG. 91-01-12. ABOUT 100 FEET SOUTH OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8505009.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. JAN. 29, 1955 TO MAY 14, 1973 AND APR. 25, 1974 TO DATE.

EXTREMES. HIGHEST, 10.66 FEET ON APR. 11, 1980. LOWEST, MINUS 0.40 FOOT ON JULY 12, 1964.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.64	6.10	5.67	6.75	5.80	5.62	8.02	5.94	5.63	6.14	5.77	5.54
2	5.43	6.13	5.72	6.79	5.79	5.70	8.08	6.23	5.62	6.15	5.97	5.61
3	5.83	6.14	5.80	6.79	5.79	5.90	8.20	6.29	5.60	6.14	6.10	5.67
4	5.88	6.13	5.84	6.15	5.79	6.00	8.30	6.27	5.57	5.40	6.12	5.70
5	5.90	6.12	5.88	6.00	6.00	6.02	8.34	6.20	5.60	5.55	6.12	5.72
6	5.93	6.18	5.90	5.74	6.00		8.38	6.13	5.60	5.75		5.77
7	5.94	6.18	5.90	5.31	5.99		8.49	5.39	5.59	5.75 F	5.88	6.12
8	5.92	6.19	5.90	5.91	5.99		8.63	5.39	5.57	5.75	6.34	6.58
9	5.90	6.20	5.90	5.96	5.98		8.65	5.30	5.57	5.77	6.48	6.70
10	5.95	6.20	5.90	5.98	5.05		8.63	5.48	5.57	5.74	6.51	6.71
11	6.01	6.20	5.92	4.75	5.10		8.38	5.45	5.56	5.75	6.51	6.74
12	5.04	6.20	5.93	5.65	5.30 F	7.08	8.25	5.36	5.60	5.73	6.50	6.79
13	5.71	6.20	5.93	5.70	5.31 F	6.58	8.08	5.29	5.61	5.72	5.84	6.80
14	5.81	6.23	5.97	5.73	5.34 F	6.53	8.00	5.25	5.61	5.75	5.68	6.10
15	6.12	5.47	5.99	5.78	5.36	7.12	8.02	5.20	5.68		5.79	5.82
16	6.21	5.90	5.98	5.78	5.44	7.18	7.98	5.18	5.67		6.52	5.44
17	6.25	5.91	5.97	5.78	5.45	7.17	7.81	5.12	5.66 F	5.76	6.60	4.89
18	6.27	5.93	5.99	5.80	5.45	7.11	7.71	5.24 F	5.60 F	6.25	6.63	5.75
19	6.49	5.93	5.98	5.80	5.90	7.07	7.61	5.29	5.60		6.64	5.87
20	6.64	5.98	5.98	5.82	6.00	7.00	7.52	5.29	5.60		6.64	5.90
21	6.77	4.67	6.02	5.80	6.02	6.32	7.40	5.26	5.59	F	6.32	5.28
22	6.82	5.57	6.04	5.80	6.11	6.25	7.24	5.40	5.57			5.10
23	6.84	5.60	6.24	5.79	6.17	6.18	7.08	5.30	5.57 F	5.40		5.43
24	6.16	5.60	6.30	5.80	6.18	6.50	7.04	5.38	5.53	5.49		5.49
25	5.90	5.62	6.33	5.78	6.18	6.52	6.87	5.39	5.55	5.75		5.55
26	5.56	5.63	6.35	5.79	6.18	6.56	6.70	5.40	5.53	5.78		5.60
27	5.40	5.65	6.36	5.79	6.15	5.95	6.52	5.38	5.53	5.78		5.64
28	5.99	5.68	5.34	5.79	6.11	6.72	6.32	5.38	5.54	5.77 F	5.92	5.69
29	6.03	-----	4.80	5.80	6.09	7.72	6.20	5.41	5.66	5.75	5.97	5.80
30	6.08	-----	6.54	5.80	6.06	7.98	6.01	5.60	6.07	5.78	4.65 F	6.05
31	6.09	-----	6.70	-----	4.75	-----	5.78	5.63	-----	5.73	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	6.02	5.91	5.97	5.86	5.77	6.62	7.62	5.51	5.61	5.77	6.15	5.86
MAX	6.84	6.23	6.70	6.79	6.18	7.98	8.65	6.29	6.07	6.25	6.64	6.80
MIN	5.04	4.67	4.80	4.75	4.75	5.62	5.78	5.12	5.53	5.40	4.65	4.89
DAYS	31	28	31	30	31	24	31	31	30	25	23	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 345

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 6.05.

HIGHEST STAGE WAS 8.65 AT 8:00 A.M. ON JUL 9.

LOWEST STAGE WAS 4.10 ON MAY 11.

DAILY STAGE FOR 1989

ALLIGATOR BAYOU AT SPANISH LAKE FLOODGATE (LA.) (LOWER)

LOCATION. LAT. 30-19-18, LONG. 91-01-14. ON NORTH SIDE OF FLOODGATE, TWO MILES SOUTH OF KLEINPETER, LA. (STA. 8507509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. DAILY STAGES WERE NOT IN ERROR AS REPORTED IN 1957, THEREFORE SUBTRACT 0.5 FROM DAILY STAGES IN 1957 AND 1958.

RECORDS AVAILABLE. FEB. 4, 1955 TO DATE.

EXTREMES. HIGHEST, 15.71 FEET ON APR. 10, 1983. LOWEST, MINUS 2.42 FEET ON APR. 29, 1960.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.76	1.58	0.95	6.15	1.39	1.62	10.55	4.10	1.22	4.13	0.83	1.38
2	4.78	1.53	1.47	5.65	0.95	1.66	10.02	5.86	0.88	3.04	2.24	1.11
3	5.85	1.52	2.04	4.19	0.70	2.42	9.52	5.24	1.09	1.94	1.61	0.90
4	6.48	1.38	2.13	4.78	1.15	1.89	9.02	4.24	1.38	3.92	1.01	0.64
5	5.52	1.36	1.97	4.94	5.34	1.72	8.52	2.97	2.09	2.47	1.02	0.53
6	3.36	1.39	1.11	4.56	4.03	6.57	8.11	2.44	2.25	1.41	3.18	-0.66
7	2.57	1.42	0.26	4.23	2.81	5.99	8.27	4.02	2.07	1.37	3.08	5.80
8	2.34	1.30	0.08	1.37	1.61	6.00	7.79	5.02	1.77	1.31	7.36	6.42
9	2.19	1.21	0.18	1.14	0.99	6.47	6.97	4.31	1.52	1.58	6.85	5.80
10	2.51	1.18	0.24	1.43	3.65	5.86	6.54	2.88	1.69	1.82	6.05	5.23
11	2.68	1.19	0.40	3.89	1.79	5.64	6.93	2.34	1.56	1.71	4.41	4.55
12	4.32	1.22	0.39	1.61	0.91	3.90	6.77	2.44	1.71	1.80	2.19	3.76
13	2.77	1.31	0.38	1.66	1.03	4.32	6.57	2.27	1.84	1.89	3.43	1.79
14	2.63	1.40	0.51	1.51	1.22	4.73	6.47	2.16	1.71	2.11	4.74	4.28
15	3.68	2.59	0.86	1.40	0.88	7.43	6.69	1.99	3.47	2.28	5.22	4.20
16	3.06	1.47	1.20	1.19	4.01	6.89	6.57	1.81	1.77	2.19	6.59	4.01
17	2.60	1.38	1.34	1.18	4.51	6.33	6.43	1.62	1.61	2.04	5.64	3.73
18	1.94	1.30	1.33	1.04	2.28	5.44	6.59	1.50	1.65	5.03	4.36	1.62
19	3.99	1.44	1.19	0.84	8.33	3.62	6.58	1.44	1.53	4.13	2.41	1.68
20	3.82	1.52	1.20	0.42	7.41	1.53	6.44	1.30	1.54	4.76	1.23	1.59
21	3.92	2.64	0.84	0.79	7.66	5.14	6.30	1.48	1.44	0.66	3.32	3.61
22	3.06	1.01	0.93	0.93	8.44	5.21	6.09	1.81	1.23	0.11	4.23	2.50
23	2.16	1.33	3.55	0.98	7.94	5.27	5.90	1.84	0.92	0.38	4.94	0.73
24	4.76	1.43	2.38	0.98	6.81	3.49	5.89	1.47	1.01	2.05	5.12	0.46
25	4.61	0.06	1.94	0.97	5.15	3.16	5.77	1.15	1.59	0.60	4.95	0.30
26	4.42	0.06	1.47	0.89	3.02	2.97	5.69	1.05	1.76	0.83	4.68	0.22
27	3.60	0.15	1.41	0.77	1.05	5.01	5.53	1.02	1.59	0.92	4.38	0.17
28	1.71	0.45	4.19	0.90	0.48	7.40	5.37	0.97	1.63	0.99	2.11	0.14
29	1.92	-----	2.88	0.93	0.87	10.82	5.41	2.97	2.35	1.09	1.80	0.38
30	1.69	-----	7.13	1.22	1.31	10.83	5.28	2.54	5.61	1.08	3.97	3.16
31	1.67	-----	6.47	-----	3.83	-----	5.04	1.92	-----	0.75	-----	7.48

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	3.40	1.28	1.69	2.08	3.28	4.98	6.89	2.52	1.78	1.95	3.76	2.50
MAX	6.48	2.64	7.13	6.15	8.44	10.83	10.55	5.86	5.61	5.03	7.36	7.48
MIN	1.67	0.06	0.08	0.42	0.48	1.53	5.04	0.97	0.88	0.11	0.83	-0.66
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 3.02.
 HIGHEST STAGE WAS 10.92 AT 8:00 P.M. ON JUN 29.
 LOWEST STAGE WAS MINUS 0.66 ON DEC 6.

DAILY STAGE FOR 1969

BAYOU MANCHAC AT HOPE VILLA, LA.

LOCATION. LAT. 30-20-38, LONG. 90-59-00. ON U.S. HIGHWAY 61 (NORTHBOUND) BRIDGE.
(STA. 8510009.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. FEB. 6, 1945 TO OCT. 8, 1958, AND JULY 19, 1960 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 15.60 FEET ON APR. 8, 1963. LOWEST, MINUS 1.63 FEET
ON DEC. 19, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	E	3.41	1.20	0.82	5.50	1.35	1.50	9.62	3.07	1.14	3.39	0.80	0.80
2	E	3.95	1.13	1.35	5.17	0.94	1.56	8.79	5.23	0.86	2.43	1.87	0.61
3	E	6.26	1.15	1.85	3.90	0.69	2.16	8.00	3.65	1.10	1.62	1.24	0.37
4	E	6.45	0.83	2.02	2.99	1.15	1.74	7.41	2.63	1.39	1.34	0.91	0.06
5			0.80	1.86	3.91	4.74	1.59	6.97	1.52	2.08	1.85	0.97	0.02
6			0.90	1.00	2.67	3.58	6.20	7.03	1.11	2.27	1.22	0.95	-0.09
7			0.89	0.14	2.34	2.76	4.63	7.68	1.35	2.09	1.23	2.05	7.23
8			0.65	-0.05	0.64	1.55	4.75	6.92	3.93	1.78	1.23	6.90	6.68
9	F	1.55	0.51	0.05	0.65	0.97	5.10	5.57	3.27	1.55	1.53	5.96	5.46
10			0.45	0.12	1.19	0.52	4.56	5.38	1.95	1.60	1.80	5.11	5.24
11			0.48	0.30	2.07	1.25	4.75	4.86	1.46	1.55	1.71	3.24	4.86
12			0.55	0.30	1.47	0.90	3.05	4.53	1.77	1.68	1.79	1.64	3.98
13			0.74	0.28	1.57	0.96	1.45	4.00	1.71	1.83	1.90	1.40	1.78
14			0.96	0.40	1.48	1.17	2.44	4.09	1.70	1.72	2.08	3.16	2.48
15			1.70	0.74	1.35	0.85	6.64	4.52	1.61	3.13	2.25	3.90	2.27
16			1.08	1.08	1.14	3.70	5.58	3.88	1.47	1.55	2.18	5.76	2.05
17	F	2.28	0.89	1.24	1.17	3.95	5.19	3.98	1.30	1.54	1.99	4.08	1.94
18		1.57	0.70	1.23	1.04	2.25	4.45	5.02	1.20	1.60	4.27	2.90	1.35
19		3.56	1.00	1.06	0.80	8.14	2.71	4.21	1.24	1.50	3.05	1.63	1.57
20		3.28	1.19	1.09	0.37	6.37	1.37	4.26	1.17	1.51	2.37	1.11	1.44
21		3.28	2.24	0.80	0.60	7.10	2.90	3.77	1.38	1.42	-0.02	1.70	0.90
22		2.68	0.88	0.90	0.91	8.06	3.12	3.79	1.74	1.21	-0.03	1.62	1.50
23		2.00	1.23	3.12	0.95	7.27	3.35	3.59	1.75	0.89	0.36	3.29 F	0.26
24		2.47	1.34	2.11	0.97	5.66	2.50	3.67	1.38	0.97	1.57	2.95	
25		2.26	-0.07	1.89	0.97	3.94	2.38	3.55	1.05	1.55	0.85	2.97 F	-0.70
26		2.23	-0.04	1.44	0.86	2.12	2.19	3.69	0.99	1.76	1.08	2.72	-0.77
27		2.04	0.05	1.40	0.74	0.91	3.11	3.47	0.97	1.59	1.18	2.49	-0.52
28		1.11	0.34	2.35	0.87	0.39	8.75	3.27	0.94	1.63	1.25	1.53	-0.18
29		1.63	-----	2.29	0.90	0.79	10.62	3.34	2.20	2.27	1.34	1.24	0.25
30		1.40	-----	6.25	1.18	1.27	9.97	3.18	1.85	4.86	1.33	1.90	2.35
31		1.30	-----	5.25	-----	2.10	-----	2.97	1.55	-----	1.02	-----	8.07

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.74	0.85	1.44	1.68	2.82	4.01	5.00	1.88	1.72	1.65	2.60	2.04
MAX	6.45	2.24	6.25	5.50	8.14	10.62	9.62	5.23	4.86	4.27	6.90	8.07
MIN	1.11	-0.07	-0.05	0.37	0.39	1.37	2.97	0.94	0.86	-0.03	0.80	-0.77
DAYS	20	28	31	30	31	30	31	31	30	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 353

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 2.37.

HIGHEST STAGE WAS 11.36 AT 7:30 P.M. ON JUN 28.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.83 ON DEC 26.

DAILY STAGE FOR 1989

233

AMITE RIVER AT PORT VINCENT, LA.

LOCATION. LAT. 30-19-57, LONG. 90-51-07. ON SOUTH SIDE OF HIGHWAY 42 BRIDGE. (STA. 8517509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY U. S. GEOLOGICAL SURVEY. PRIOR TO OCT. 23, 1983, GAGE WAS MAINTAINED BY U. S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT. ALSO, DAILY READINGS WERE AT EIGHT A.M.

RECORDS AVAILABLE. DEC. 15, 1954 TO JUNE 18, 1974 AND JUNE 21, 1975 TO DATE.

EXTREMES. HIGHEST, 14.59 FEET ON APR. 9, 1983. LOWEST, MINUS 1.60 FEET ON DEC. 19, 1954.

MEAN DAILY STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.83	1.30	1.15	3.59	1.65	1.86	4.93	2.40	1.34	2.41	1.30	1.08
2	2.74	1.27	1.67	3.44	1.26	1.81	4.35	2.41	1.10	2.05	1.47	0.94
3	3.99	1.27	1.96	2.45	1.28	1.77	3.32	1.86	1.50	1.72	1.34	0.61
4	4.01	1.11	2.17	1.66	1.61	1.71	2.84	1.30	1.90	1.60	1.42	0.51
5	2.95	1.14	1.96	1.49	2.24	1.73	2.88	0.89	2.54	1.63	1.51	0.31
6	1.65	1.24	0.99	1.20	1.98	2.30	3.67	0.69	2.65	1.70	1.53	0.53
7	1.46	1.09	0.41	0.87	1.81	2.18	4.21	0.78	2.42	1.71	1.91	1.97
8	1.57	1.04	0.34	0.45	1.25	2.47	3.49	1.50	2.15	1.75	2.96	2.78
9	1.68	0.90	0.43	0.82	0.98	2.63	2.40	1.88	2.01	1.99	3.26	2.72
10	1.90	0.72	0.43	1.37	0.53	2.80	2.02	1.58	1.92	2.15	2.89	2.93
11	2.17	0.65	0.47	1.50	0.80	2.57	1.94	1.64	1.97	2.12	1.80	2.78
12	2.16	0.73	0.39	1.65	1.09	1.66	1.65	1.81	2.02	2.17	1.54	1.95
13	1.89	0.93	0.39	1.76	1.19	1.34	1.02	1.86	2.09	2.21	1.76	1.06
14	1.98	1.17	0.60	1.62	1.37	1.59	0.72	1.85	1.99	2.45	1.98	0.91
15	2.08	1.29	0.96	1.52	1.21	2.54	0.62	1.76	1.80	2.62	2.19	0.82
16	1.97	1.26	1.32	1.40	1.45	2.76	0.63	1.61	1.62	2.56	2.11	0.84
17	1.69	1.12	1.47	1.43	2.09	2.75	0.74	1.47	1.88	2.47	1.55	1.24
18	1.57	1.04	1.44	1.35	2.34	2.27	0.97	1.37	1.97	2.41	1.36	1.61
19	1.85	1.35	1.31	1.09	3.19	1.57	0.97	1.35	2.00	1.47	1.46	1.80
20	2.26	1.53	1.30	0.85	3.79	1.33	0.73	1.48	2.02	0.43	1.41	1.44
21	2.34	1.57	1.07	0.96	4.91	1.37	1.02	1.80	1.91	0.24	1.14	0.88
22	2.22	1.03	1.35	1.20	5.80	1.49	1.52	2.19	1.64	0.53	1.20	0.55
23	1.78	0.90	1.74	1.23	4.94	1.67	1.76	2.10	1.41	0.90	1.11	-0.25
24	1.36	0.65	1.74	1.22	3.32	1.82	1.86	1.77	1.56	1.06	1.55	-0.67
25	1.28	0.01	1.66	1.18	1.65	1.88	2.16	1.53	2.03	1.15	1.92	-0.68
26	1.46	0.09	1.52	1.06	1.16	1.88	2.33	1.49	2.06	1.41	1.83	-0.51
27	1.11	0.22	1.61	0.99	0.91	1.98	2.14	1.38	1.87	1.45	1.76	-0.25
28	1.47	0.57	1.77	1.00	0.66	2.75	1.97	1.39	2.07	1.58	1.65	0.09
29	1.77	-----	2.19	1.15	1.22	3.71	1.83	1.60	2.47	1.59	1.44	0.65
30	1.42	-----	2.85	1.47	1.64	4.52	1.73	1.66	2.73	1.55	1.26	1.29
31	1.34	-----	3.11	-----	1.74	-----	1.93	1.56	-----	1.31	-----	2.85

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.97	0.97	1.35	1.43	1.97	2.16	2.08	1.61	1.95	1.69	1.72	1.06
MAX	4.01	1.57	3.11	3.59	5.80	4.52	4.93	2.41	2.73	2.62	3.26	2.93
MIN	1.11	0.01	0.34	0.45	0.53	1.33	0.62	0.69	1.10	0.24	1.11	-0.68
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 1.67.

HIGHEST STAGE WAS 5.92 AT 5:30 A.M. ON MAY 22.

LOWEST STAGE WAS MINUS 0.85 ON DEC 25.

DAILY STAGE FOR 1989

AMITE RIVER AT FRENCH SETTLEMENT, LA.

LOCATION. LAT. 30-16-30, LONG. 90-46-55. ON LEFT BANK ABOUT 200 FEET WEST OF STATE HIGHWAY 16 BRIDGE.
(STA. 8522509.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1949. DAILY, JAN. 1, 1950 TO FEB. 17, 1951, AND DEC. 16, 1954 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 7.4 FEET ON APR. 25, 1978. LOWEST, MINUS 1.50 FEET ON DEC. 19, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.64	1.55	1.23	2.29	1.83	1.93	3.18	2.51	1.57	2.49	1.35	1.13
2	1.91	1.47	1.81	2.44	1.37	1.98	3.05	2.63	1.33	2.08	1.65	1.02
3	2.35	1.51	2.12	2.23	1.16	1.89	2.69	2.13	1.58	1.87	1.37	0.78
4	2.41	1.22	2.28	1.71	1.57	1.90	2.31	1.58	1.89	1.67	1.44	0.50
5	2.19	1.17	2.23	1.49	2.00	1.87	2.05		2.59	1.64	1.53	0.45
6	1.60	1.25	1.34	1.11	1.54	2.16	2.34		2.76	1.70	1.51	0.38
7	1.44	1.10	0.69	0.96	1.55	1.97	2.52		2.59	1.72	1.63	1.60
8	1.61	1.00	0.42	0.65	1.38	2.19	2.45		2.26	1.73	2.44	2.21
9	1.65	0.90	0.54	0.87	1.30	2.16	2.05		2.06	2.01	2.55	1.89
10	1.83	0.85	0.62	1.51	0.73	2.27	1.97		1.96	2.30	2.45	1.73
11	2.08	0.85	0.78	1.67	0.84	2.32	1.88		2.00	2.23	1.91	1.86
12	2.17	0.93	0.77	1.84	1.28	1.75	1.64		2.08	2.30	1.72	1.68
13	1.96	1.10	0.77	1.94	1.36	1.40	1.08		2.20	2.40	1.83	0.95
14	1.87	1.40	0.90	1.87	1.57	1.28	0.79		2.20	2.59	2.09	0.99
15	1.96	1.51	1.24	1.77	1.27	1.97	0.64 F	1.80	2.03	2.75	2.17	0.87
16	1.77	1.49	1.59	1.52	1.29	1.93	0.71	1.79	1.79	2.70	2.10	0.80
17	1.55	1.31	1.77	1.60	1.89	2.08	0.62	1.65	2.03	2.58	1.45	1.26
18	1.60	1.14	1.75	1.49	2.22	2.09	1.01	1.56	2.10	2.45	1.32	1.64
19	1.67	1.43	1.59	1.30	2.66	1.65	1.15	1.60	2.05	1.80	1.44	1.90
20	1.95	1.61	1.62	0.86	2.65	1.44	0.86	1.60	2.06	0.71	1.54	1.70
21	2.08	1.72	1.32	1.04	2.82	1.55	0.93	1.86	1.97	0.21	1.29	1.15
22	2.08	1.22	1.36	1.33	3.20	1.71	1.51	2.25	1.75	0.47	1.34	0.85
23	1.92	0.73	1.75	1.42	3.08	1.83	1.88	2.19	1.42	0.85	1.19	0.08
24	1.42	0.42	1.67	1.47	2.47	2.08	1.85	1.86	1.53	1.08	1.53	-0.47
25	1.23	0.11	1.76	1.43	1.68	2.12	2.08	1.52	2.11	1.36	2.08	-0.57
26	1.47	0.29	1.72	1.31	1.41	2.05	2.40	1.47	2.29	1.61	2.00	-0.42
27	1.36	0.42	1.80	1.17	1.18	2.05	2.25	1.43	2.11	1.70	2.00	-0.16
28	1.38	0.76	1.95	1.28	0.74	2.32	2.06	1.42	2.15	1.76	1.85	0.16
29	2.02	-----	2.07	1.31	1.22	2.75	1.92	1.62	2.54	1.84	1.49	0.57
30	1.74	-----	2.34	1.62	1.70	2.98	1.83	1.80	2.76	1.82	1.34	1.10
31	1.63	-----	2.26	-----	1.74	-----	1.87	1.76	-----	1.52	-----	2.03

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.79	1.09	1.49	1.48	1.70	1.99	1.79	1.81	2.06	1.80	1.72	0.96
MAX	2.41	1.72	2.34	2.44	3.20	2.98	3.18	2.63	2.76	2.75	2.55	2.21
MIN	1.23	0.11	0.42	0.65	0.73	1.28	0.62	1.42	1.33	0.21	1.19	-0.57
DAYS	31	28	31	30	31	30	31	21	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 355

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.64.

HIGHEST STAGE WAS 3.20 AT 8:00 A.M. ON MAY 22.

LOWEST STAGE WAS MINUS 0.68 ON DEC 25.

DAILY STAGE FOR 1989

PETITE AMITE RIVER NEAR ST. PAUL, LA.

LOCATION. LAT. 30-11-19, LONG. 90-43-04. AT JUNCTION WITH NEW RIVER CANAL, 5.8 MILES SOUTHEAST OF ST. PAUL AND 7.5 MILES EAST OF SORRENTO, LA. (STA. 8525006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. INTERMITTENTLY, 1950 TO 1951. DAILY, OCT. 5, 1951 TO DATE.

EXTREMES. HIGHEST, 4.72 FEET ON APR. 21, 1973. LOWEST, MINUS 1.60 FEET ON DEC. 29, 1956.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.69 E	1.18		1.40	1.06			2.17			1.05	1.14
2	1.80 E	1.13		1.57	0.71			2.33			1.20	0.98
3	2.03 E	1.60		1.59	0.51			1.93			1.20	0.67
4	2.15 E	1.43		1.38	0.89			1.44			1.16	0.30
5	2.02 E	0.64		1.17	1.15			1.07			1.28	0.29
6	1.73 E	0.10		0.79	0.60			0.86			1.34	0.08
7	1.83 E	0.04		0.26	0.62			0.70			1.40	0.75
8	1.57 E	0.12		-0.05	0.62						1.79	1.38
9	1.34 E	0.60		0.00	0.50						1.87	1.39
10	1.43 E	1.48		0.60	0.11						1.83	0.97
11	1.53 E	1.95		0.86	0.00						1.65	0.97
12	1.80 E	1.37		1.01	0.55						1.38	1.10
13	1.93 F	0.50		1.11	0.52						1.35	0.84
14	1.93			1.09 F	0.56 F	1.05					1.59	0.53
15	1.83			0.97							1.74	0.48
16	1.43			0.75							1.80	0.55
17	1.27			0.85							1.27	0.71
18	1.53			0.82							1.10	1.10
19	1.14			0.64							1.14	1.46
20	1.73			0.21							1.30	1.55
21	1.54	F	1.10	0.39							1.18	1.11
22	1.33		1.06	0.59							1.04	0.64
23	1.38		1.37	0.71							1.00	0.23
24	1.43		1.33	0.71							0.87	-0.03
25	1.27		1.36	0.68					F	1.05	1.35	-0.07
26	1.27		1.39	0.60						1.26	1.54	-0.08
27 E	1.05		1.44	0.44		F	1.90			1.35	1.60	-0.09
28 E	0.84		1.55	0.52			1.88			1.35	1.58	-0.10
29 E	0.79	-----	1.65	0.47			1.73			1.42	1.53	0.00
30 E	1.23	-----	1.74	0.76			1.63			1.38	1.37	0.48
31 E	1.25	-----	1.58	-----		-----	1.67		-----	1.17	-----	1.04

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.52	0.93	1.42	0.76	0.60	1.05	1.76	1.50		1.28	1.38	0.66
MAX	2.15	1.95	1.74	1.59	1.15	1.05	1.90	2.33		1.42	1.87	1.55
MIN	0.79	0.04	1.06	-0.05	0.00	1.05	1.63	0.70		1.05	0.87	-0.10
DAYS	31	13	11	30	14	1	5	7	0	7	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 180

E=ESTIMATED F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.10.

HIGHEST STAGE WAS 2.35 AT 4:00 AM ON AUG 2.

LOWEST STAGE WAS MINUS 0.40 ON APR 8.

DAILY STAGE FOR 1989

RESERVE CANAL NEAR LAKE MAUREPAS (LA.)

LOCATION. LAT. 30-10-08, LONG. 90-33-00. ON WEST BANK OF CANAL ABOUT 0.3 MILE FROM LAKE MAUREPAS.
(STA. 8527506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. JAN. 1979 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 5.50 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985.
LOWEST, (FROM INCOMPLETE RECORD) MINUS 1.18 FEET ON DEC. 25, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.18	1.21	0.86	1.30	1.55	1.40	1.77	2.02	1.20	1.80	1.00	0.78
2	1.26	1.15	1.54	1.56	1.05	1.42	1.50	2.01	0.97	1.55	1.31	0.65
3	1.26	1.19	1.65	1.43	0.87	1.30	1.40	1.59	1.15	1.39	1.05	0.55
4	1.06	1.04	1.83	1.33	1.06	1.25	1.16	1.13	1.52	1.24	1.06	0.18
5	1.17	0.96	1.83	1.10	1.00	1.27	0.85	0.72	2.22	1.23	1.16	0.13
6	1.11	1.08	0.83	0.55	0.70	1.30	1.07	0.51	2.30	1.27	1.13	0.02
7	1.08	0.90	0.18	0.45	0.85	1.18	0.96	0.39	2.12	1.32	1.26	0.90
8	1.33	0.80	0.06	0.10	0.85	1.37	1.10	1.02	1.79	1.39	1.67	1.47
9	1.45	0.68	0.10	0.53	0.89	1.25	1.16	1.25	1.62	1.63	1.57	0.74
10	1.57	0.47	0.16	1.25	0.40	1.39	1.37	1.14	1.53	1.87	1.42	0.44
11	1.73	0.44	0.27	1.33	0.60	1.49	1.30	1.17	1.58	1.80	1.38	0.77
12	1.64	0.60	0.26	1.50	0.85	1.15	1.01	1.44	1.63	1.88	1.33	0.98
13	1.47	0.77	0.30	1.59	0.95	0.90	0.52	1.52	1.75	1.95	1.44	0.40
14	1.43	1.03	0.43	1.45	1.14	0.80	0.22	1.54	1.74	2.08	1.62	0.25
15	1.33	1.14	0.80	1.44	0.89	1.02	0.05	1.47	1.59		1.75	0.33
16	1.23	1.14	1.20	1.17	0.85	0.82	0.14	1.37	1.38		1.34	0.63
17	1.04	1.03	1.30	1.16	1.30	1.00	0.07	1.24	1.65		0.82	0.84
18	1.25	0.86	1.30	1.08	1.70	1.25	0.40	1.17	1.73		0.87	1.23
19	1.28	1.13	1.17	0.90	1.93	1.10	0.49	1.22	1.67		1.03	1.57
20	1.58	1.26	1.15	0.56	1.67	0.96	0.35	1.20	1.65		1.14	1.30
21	1.60	1.48	0.91	0.66	1.45	1.05	0.33	1.51	1.57		0.89	0.80
22	1.56	0.79	0.99	0.90	1.56	1.19	0.87	1.88	1.37		0.85	
23	1.30	0.14	1.25	0.99	1.40	1.26	1.37	1.80	1.05		0.74	
24	0.94	-0.54	0.95	1.03	0.99	1.57	1.43	1.43	1.23		1.06	
25	0.83	-0.53	1.07	0.99	0.94	1.61	1.82	1.14	1.72 F	0.90	1.67	-0.96
26	1.14	-0.15	1.12	0.90	0.93	1.53	1.92	1.12	1.86	1.19	1.63	-0.78
27	0.95	0.00	1.20	0.83	0.79	1.56	1.72	1.11	1.68	1.27	1.60	-0.63
28	1.00	0.44	1.41	0.87	0.90	1.67	1.55	1.04	1.72	1.40	1.44	-0.18
29	1.59	-----	1.59	1.00	0.92	1.71	1.39	1.24	2.10	1.44	1.26	0.18
30	1.30	-----	1.51	1.25	1.32	1.81	1.33	1.37	2.26	1.45	1.03	0.66
31	1.25	-----	1.44	-----	1.27	-----	1.43	1.35	-----	1.22	-----	1.21

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.29	0.73	0.99	1.04	1.08	1.29	1.03	1.29	1.64	1.49	1.25	0.52
MAX	1.73	1.48	1.83	1.59	1.93	1.81	1.92	2.02	2.30	2.08	1.75	1.57
MIN	0.83	-0.54	0.06	0.10	0.40	0.80	0.05	0.39	0.97	0.90	0.74	-0.96
DAYS	31	28	31	30	31	30	31	31	30	21	30	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 352

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.13.

HIGHEST STAGE WAS 2.42 AT 7:30 P.M. ON SEP 6.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.18 ON DEC 25.

DAILY STAGE FOR 1989

AMITE RIVER AT CLIO, LA.

LOCATION. LAT. 30-18-35, LONG. 90-36-45. ON WHARF APPROXIMATELY 300 FEET NORTH OF HIGHWAY 22.
(STA. 8528006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAR. 22, 1987 TO DATE.

EXTREMES. HIGHEST, 3.51 FEET ON APR. 4, 1988. LOWEST, MINUS 0.10 FOOT ON NOV. 6, 1988, AND
LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		1.38	1.02	1.43	1.63	1.58	2.05	2.28	1.26	1.95	1.11	0.84
2	1.44	1.31	1.55	1.84	1.12	1.58	1.83	2.24	0.98	1.76	1.34	0.80
3	1.47	1.39	1.86	1.67	0.95	1.44	1.64	1.72	1.33	1.56	1.06	0.36
4	1.20	1.01	1.99	1.56	1.38	1.50	1.45	1.23	1.64	1.43	1.23	0.31
5	1.43	1.02	1.92	1.01	1.48	1.47	1.04	0.79	2.39	1.42	1.31	0.15
6	1.31		0.88	0.80	0.81	1.47	1.33	0.59	2.44	1.48	1.27	0.15
7	1.31	0.90	0.19	0.51	0.91	1.36	1.23	0.45	2.24	1.47	1.42	1.11
8		0.83	0.07	0.32	0.98	1.80	1.33	0.99	1.90	1.43	1.84	1.39
9	1.42	0.62	0.17	0.61	0.99		1.34	1.32		1.68	1.65	0.75
10	1.62	0.59	0.23	1.16	0.40		1.56	1.23		1.92	1.59	0.72
11	1.88	0.57	0.42	1.37	0.66		1.46	1.30	1.68	1.87	1.50	0.91
12	1.78	0.68	0.39	1.59	0.99	1.31	1.18	1.49	1.72	1.97	1.44	0.87
13	1.57	0.92	0.44	1.74	1.15	1.06	0.67	1.59	1.82	2.04	1.58	0.50
14	1.61	1.19	0.63	1.63	1.38	1.01	0.32	1.62	1.82	2.37	1.79	0.44
15	1.44	1.30	0.95	1.59		1.15	0.23	1.55	1.62	2.53	1.88	0.56
16	1.27	1.30	1.27	1.34	1.00	0.95	0.34	1.44	1.42	2.49	1.43	0.37
17	1.18	1.12	1.47	1.30	1.53		0.18	1.32	1.76	2.27		0.93
18	1.40	1.04	1.49	1.18	1.90		0.59	1.23	1.85	1.87	0.95	1.38
19		1.28		0.99	2.18	1.22	0.75	1.28	1.82	1.18	1.18	1.64
20		1.43	1.33	0.58	1.91	1.09	0.51	1.32	1.80	0.31	1.26	1.33
21		1.56	1.06	0.70	1.68	1.20	0.48	1.62	1.66	-0.06	1.04	0.81
22		0.84	1.05	1.02	1.82	1.31	1.10	2.06	1.44	0.20	1.10	0.32
23	1.44	-0.04	1.35	1.09	1.67	1.46	1.54	1.93	1.10	0.59	0.64	
24	1.10		1.12	1.10	1.27	1.70		1.57	1.19	0.82	1.22	
25	0.98	-0.10	1.23	1.09	1.19		1.84	1.23	1.78	1.06	1.82	
26	1.30		1.32	1.00	1.12	1.73	2.04	1.19	1.88	1.31	1.77	
27	0.95	0.15	1.38	0.91		1.78	1.88	1.12	1.71	1.39	1.76	
28	1.24	0.52		1.03		1.98	1.67	1.10	1.80	1.51	1.62	-0.05
29	1.75	-----	1.78	1.23		1.96	1.48	1.31	2.20	1.58	1.11	0.30
30	1.40	-----	1.70	1.40	1.50	2.06		1.46	2.40	1.58		0.82
31	1.35	-----		-----	1.43	-----	1.48	1.44	-----	1.31	-----	1.38

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.39	0.91	1.08	1.16	1.30	1.47	1.19	1.39	1.74	1.49	1.39	0.73
MAX	1.88	1.56	1.99	1.84	2.18	2.06	2.05	2.28	2.44	2.53	1.88	1.64
MIN	0.95	-0.10	0.07	0.32	0.40	0.95	0.18	0.45	0.98	-0.06	0.64	-0.05
DAYS	25	25	28	30	27	24	29	31	28	31	28	26

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 332

THE MEAN STAGE FOR THE YEAR WAS 1.28.

HIGHEST STAGE WAS 2.67 AT 7:00 P.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.10 ON FEB 23 AND LATER DATE(S).

DAILY STAGE FOR 1989

TICKFAM RIVER NEAR SPRINGFIELD, LA.

LOCATION. LAT. 30-22-36, LONG. 90-33-02. HIGHWAY 22 BRIDGE, 3.7 MILES SOUTH OF SPRINGFIELD, LA.
(STA. 8530006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 22, 1947 TO DATE.

EXTREMES. HIGHEST, 6.46 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.43 FEET ON DEC. 19, 1954.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75		1.39 F	1.74	1.96	2.03	2.43	2.72	1.69	2.38	1.52	1.29
2	1.86		1.94		1.45	2.04	2.25	2.67	1.42	2.20	1.82	1.25
3	1.90		2.25 F	2.19	1.25	1.95	2.00	2.14	1.68	2.02	1.42	0.72
4	1.55		2.43	2.00	1.85	1.95	1.90	1.65	2.04	1.85	1.67	0.65
5	1.82		2.45	1.40	2.05	1.95	1.47	1.22	2.85	1.85	1.70	0.59
6	1.78		1.30	1.16	1.15	2.03	1.72	1.03	2.87	1.94	1.73	0.57
7	1.75		0.60	0.90	1.25	1.80	1.62	0.92	2.66	1.94	1.85	1.47
8	1.77		0.37	0.85	1.37	2.40	1.75	1.27	2.32	1.85	2.28	1.84
9	1.77		0.53	0.85	1.40	1.88	1.77	1.71	2.12	2.03	2.05	1.16
10	2.00		0.60	1.45	0.73	2.00	1.99	1.68	2.05	2.30	1.99	1.10
11	2.33		0.80 F	1.65	1.02	2.15	1.88	1.69	2.09	2.26	1.93	1.40
12	2.20		0.77		1.44	1.85	1.63	1.87	2.14	2.34	1.89	1.30
13	1.88 F	1.30	0.79		1.57	1.60	1.17	2.00	2.25	2.47	2.01	0.92
14	2.03		1.05		1.85	1.50	0.80	2.04	2.25	2.80	2.23	0.85
15			1.34		1.44	1.55	0.70	1.97	2.04	2.95	2.35	0.95
16					1.45	1.34	0.80	1.87	1.80	2.94	1.85	0.66
17	F 1.63				1.87	1.60	0.65	1.75	2.13	2.68	1.23	1.25
18					2.30	1.90	1.09	1.66	2.23	2.20	1.35	1.67
19					2.60	1.70	1.30	1.70	2.25	1.51	1.52	2.00
20					2.35	1.57	1.00	1.73	2.20	0.67	1.64	1.73
21		F 2.00			2.12	1.65	0.95	2.03	2.06	0.35	1.43	1.15
22		1.29			2.27	1.80	1.55	2.52	1.87	0.62	1.52	0.62
23		0.35			2.15	1.85	1.97	2.36	1.56	1.00	0.90	-0.20
24		-0.20			1.73	2.12	2.00	2.00	1.52	1.22	1.43	-0.49
25		-0.03		F 1.48	1.72	2.20	2.26	1.68	2.20	1.42	2.17	-0.49
26		0.37		1.43	1.60	2.16	2.47	1.64	2.31	1.69	2.17	-0.35
27		0.59 F	1.80	1.28	1.32	2.23	2.32	1.60	2.13	1.78	2.17	0.03
28		0.92	2.07	1.44	0.95	2.38	2.11	1.57	2.22	1.93	2.04	0.33
29		-----	2.23	1.55	1.43	2.34	1.95	1.75	2.60	1.97	1.47	0.72
30		-----	2.23	1.78	1.95	2.40	1.90	1.92	2.86	2.01	1.48	1.24
31		-----	1.82	-----	1.88	-----	1.82	1.87	-----	1.76	-----	1.80

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.87	0.73	1.44	1.45	1.66	1.93	1.65	1.81	2.15	1.90	1.76	0.89
MAX	2.33	2.00	2.45	2.19	2.60	2.40	2.47	2.72	2.87	2.95	2.35	2.00
MIN	1.55	-0.20	0.37	0.85	0.73	1.34	0.65	0.92	1.42	0.35	0.90	-0.49
DAYS	15	9	20	16	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 305

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.66.

HIGHEST STAGE WAS 3.15 AT 6:00 P.M. ON SEP 5.

LOWEST STAGE WAS MINUS 0.55 ON DEC 25.

DAILY STAGE FOR 1989

PONCHATOU LA CREEK AT HAMMOCK, LA.

LOCATION. LAT. 30-30-24, LONG. 90-26-50. ON U. S. HIGHWAY 190 BRIDGE. (STA. 8532506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 15, 1948 TO DATE.

EXTREMES. HIGHEST, 39.11 FEET ON APR. 21, 1977. LOWEST, CHANNEL DRY ON OCT. 7, 1957, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				F 20.40								
2						H 20.93				19.98		
3				F 20.02		20.56	20.45					
4	F 19.94				H 23.20	20.44	25.19					
5			H 21.68		20.85	H 24.36	20.50					F 19.98
6			F 20.56		20.54	21.44	20.48		F 19.91			
7						20.66	20.40	H 23.82		F 19.93	F 20.63	F 25.82
8		F 19.97			F 19.99	H 23.77	20.33	20.80			22.20	H 24.56
9	F 19.87					20.70		20.67			20.85	
10				F 19.95		20.63	F 19.97					
11												
12						F 20.08						
13		F 19.95	F 19.97								F 19.94	H 21.62
14	H 22.09					H 20.92					H 21.70	
15	20.54				19.94	20.68		F 19.93			H 22.23	
16	20.42					20.52						
17	20.29			F 19.92			F 19.91			F 19.93		
18					H 20.80				F 19.91			
19					20.56	H 21.19						F 20.10
20	H 21.33		F 19.92		F 20.37	F 20.53						
21	20.60	F 20.29			H 22.20						F 19.98	
22	20.45		F 20.35		20.62							
23	F 20.18		H 22.50		20.47			F 19.94		F 19.87		
24			F 20.43				19.93					
25				19.84				F 19.91				
26						F 19.95						
27			F 20.98									
28		F 20.00										
29		-----		H 22.78	20.49			F 19.95	H 22.02		F 20.54	
30	F 19.94	-----	22.40	F 20.40	19.90				20.80			
31		-----	20.55	-----		-----	F 19.89		20.77	F 19.88	-----	F 26.25

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.51	20.05	20.93	20.47	20.76	21.08	20.70	20.85	20.55	19.92	21.01	23.05
MAX	22.09	20.29	22.50	22.78	23.20	24.36	25.19	23.82	22.02	19.98	22.23	26.25
MIN	19.87	19.95	19.92	19.84	19.90	19.95	19.89	19.93	19.91	19.87	19.94	19.98
DAYS	11	4	10	7	13	16	10	6	6	5	8	6

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 102

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 20.86.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 26.25 AT 1:30 P.M. ON DEC 31.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 19.84 ON APR 25.

DAILY STAGE FOR 1989

PONCHATOULA CREEK NEAR PONCHATOULA, LA.

LOCATION. LAT. 30-27-21, LONG. 90-27-24. ON U. S. HIGHWAY 51 BRIDGE, 1.7 MILES NORTHWEST OF
PONCHATOULA, LA. (STA. 8535006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

RECORDS AVAILABLE. APR. 1, 1948 TO DATE.

EXTREMES. HIGHEST, 17.37 FEET ON JUNE 7, 1950. LOWEST, MINUS 0.93 FOOT ON JUNE 27, 1977.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.90	1.03 F	0.70				1.70 H	2.99 F	1.04	1.70	0.97	
2	0.96	0.95	1.16				1.52	2.17		1.45 H	1.49	
3	1.00	1.03	1.47 F	1.44			1.38	1.66 F	1.08	1.22 F	0.97	
4	0.65 F	0.70	1.63	1.26 F	1.16		3.80	1.16	1.37	1.06 F	0.98	
5	0.90 F	0.70 F	3.82	0.83		F 1.11			2.12	1.07	0.98 F	0.15
6	0.89	0.71 F	0.80 F	0.73					2.19	1.18	1.00	
7	0.89		F	0.73				0.20	1.99	1.19	1.09	
8	0.90 F	0.52		F	0.64				1.62	1.18 H	8.60	
9	0.90				0.78				1.42	1.31	2.64	
10 H	2.02			0.77			F 1.15		1.34	1.52	1.33	
11	1.57			0.95			1.11		H 2.17	1.49	1.21	
12	1.34			1.18		F 0.98 F	0.99		1.41	1.57	1.16 F	2.80
13	1.20 F	0.54 F	0.18	1.38	0.85	0.89			1.51	1.70	1.30 F	1.10
14 F	3.90			1.33	1.13 H	2.95			H 3.12	2.03 H	3.23	
15				1.27	0.72	1.50		1.18	1.35		1.78	
16		F 0.70	0.88	1.00 F	0.80	0.92		1.08	1.10		2.40	
17 F	0.78	0.77	1.11	0.99	1.05	0.92 F	0.17	0.96	1.47 F	1.92	0.81	
18	0.97 F	0.77	1.10	0.85	1.53 H	2.55		0.91	1.54	1.50	0.81 F	1.10
19 H	2.99	0.86	0.85	0.73 H	2.48	1.08		0.91	1.45 F	1.00	0.84 H	1.40
20 H	3.44	1.00	0.97		1.70 F	0.95		0.92	1.43		0.92	
21	1.48	1.21	0.70 F	0.72	1.35	0.92		1.19	1.25		F 0.72	
22	1.33 F	0.70	0.69	0.76	1.70	1.00 F	1.05	1.69	1.08		H 1.21	
23	1.08		F 3.80	0.80	1.33	1.01	1.18	1.58 F	1.00	0.26	0.88	
24	0.75		F 1.00	0.80	0.85	1.30	1.18	1.20 F	1.00		0.81	
25 F	0.70		0.90	0.77	0.90	1.39	1.45 F	0.98	1.45		1.48	
26	0.90		0.95	0.74	0.83	1.37	1.66 F	0.96	1.57 F	1.02	1.48	
27 F	0.70		1.04 F	1.02		1.41	1.50 H	2.26	1.35	1.03	1.50	
28 F	0.78 F	0.17	1.28			1.60	1.30 H	1.70 H	3.66	1.20	1.43	
29	1.40	-----	1.40		F 0.80	1.60	1.13	0.98	2.35	1.21 F	0.82 H	1.51
30	1.09	-----			1.17	1.69	1.05	1.10	2.38	1.23 F	0.83	
31	1.03	-----		-----		-----	1.12	1.13	----- F	1.02	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.29	0.77	1.26	0.96	1.15	1.36	1.36	1.31	1.65	1.29	1.52	1.34
MAX	3.90	1.21	3.82	1.44	2.48	2.95	3.80	2.99	3.66	2.03	8.60	2.80
MIN	0.65	0.17	0.18	0.72	0.64	0.89	0.17	0.20	1.00	0.26	0.72	0.15
DAYS	29	16	21	22	19	20	18	22	29	24	30	6

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 256

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 1.30.

HIGHEST STAGE WAS 8.60 AT 1:30 A.M. ON NOV 8.

LOWEST STAGE WAS 0.15 ON DEC 5.

DAILY STAGE FOR 1989

YELLOW WATER RIVER CANAL NEAR HAMMOND, LA.

LOCATION. LAT. 30-30-19, LONG. 90-30-25. ON U.S. HIGHWAY 190 BRIDGE. (STA. 8540006.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1980 GAGE WAS 500 FEET UPSTREAM.

RECORDS AVAILABLE. APR. 9, 1948 TO DATE.

EXTREMES. HIGHEST, 36.99 FEET ON SEP. 27, 1964. LOWEST, CHANNEL DRY ON FEB. 12, 1955, AND LATER DATES.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	H 20.00			19.77			19.51 H	22.12	19.20	19.57		
2	F 19.72		H 20.59	19.68		H 20.90	H 20.06	20.50	19.20	19.35	H 19.88	
3			19.97 F	19.43		H 21.78	H 21.17	19.60	19.20		H 19.38	
4	F 19.47		19.75		H 23.05	20.04 H	24.75	19.42	19.20			
5			H 20.75		21.62 H	24.80	20.70	19.35	19.20			F 19.24
6			19.98		19.87 H	23.10 H	22.08	19.31	19.20			F 19.40
7			F 19.83		19.61	20.08	20.70 H	20.24	19.18		H 29.94	H 28.84
8		F 19.39			F 19.31	H 24.20	19.72	19.87	19.18	H 20.78	H 24.54	H 23.94
9	F 19.38					20.85	19.50	19.43	19.17	19.38	21.85	20.60
10	H 20.55			F 19.32		19.80	19.40	19.33	19.18		20.08	19.98
11	20.20					19.60	19.35	19.30	19.20			19.75
12	19.80					19.51	19.34	19.28	19.72			20.80
13	H 21.89	F 19.32	F 19.23		H 20.00	19.40	19.34	19.26	19.30		F 19.31	19.97
14	H 23.37				19.51	H 21.20	19.36	19.24	H 20.75		20.35	19.71
15	21.08				F 19.30	20.43	19.35	19.25	19.32		H 23.76	19.63
16	20.05					19.63	19.32	19.21	19.27		21.59	19.61
17	19.72			F 19.32		19.47	19.30	19.22	19.27	F 19.18	20.07	
18	19.60				F 19.50	H 19.88	19.25	19.22	19.27		19.78	
19	20.60				H 20.80	19.45	19.22	19.22			19.65	F 19.48
20	H 22.50		F 19.30		H 21.92		19.35	19.22			19.60	19.52
21	20.62	F 19.48			20.32	H 20.03	19.30	19.22			F 19.35	
22	19.98		19.85		19.90	19.47	19.27	19.22			F 19.52	
23	19.80		H 24.28		19.48	19.33	19.25	19.23		F 19.14	H 22.19	
24	19.82		20.29			19.38	19.28	19.20			19.99	
25	19.77		19.84	F 19.30		19.39	19.30	19.19	F 19.15		19.75	
26	19.75		19.73			19.34	19.34	19.19			19.64	
27	19.73		F 19.37			19.32	19.29	19.20			19.60	
28	19.73	F 19.35				H 19.89	19.28	H 19.58	F 19.22		19.92	
29		-----	H 29.70	H 22.61		H 20.15	19.28	19.47	H 23.41		19.70	H 20.70
30	F 19.39	-----	23.70	F 19.61	F 19.28	19.60	19.28	19.28	20.82			20.01
31		-----	20.40	-----		-----	19.22	19.20	-----	F 19.12	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	20.27	19.39	20.97	19.88	20.23	20.36	19.77	19.47	19.57	19.50	20.85	20.70
MAX	23.37	19.48	29.70	22.61	23.05	24.80	24.75	22.12	23.41	20.78	29.94	28.84
MIN	19.38	19.32	19.23	19.30	19.28	19.32	19.22	19.19	19.15	19.12	19.31	19.24
DAYS	24	4	17	8	15	28	31	31	22	7	23	16

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 226

F=NOT AT STATED TIME H=PEAK STAGE

THE MEAN STAGE FOR THE YEAR WAS 20.12.

HIGHEST STAGE WAS 29.94 AT 9:00 A.M. ON NOV 7.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 19.12 ON OCT 31.

DAILY STAGE FOR 1989

PASS MANCHAC NEAR PONCHATOUA, LA.

LOCATION. LAT. 30-16-53, LONG. 90-24-01. ON PILING 60 FEET EAST OF SOUTH END OF U. S. HIGHWAY 51 BRIDGE, NINE MILES SOUTH OF PONCHATOUA, LA. (STA. 8542006.)

GAGE. AUTOMATIC RECORD AND STAFF.

RECORDS AVAILABLE. JULY 11, 1955 TO DATE.

EXTREMES. HIGHEST, 5.40 FEET (CAUSED BY HURRICANE) ON OCT. 30, 1985. LOWEST, MINUS 2.00 FEET ON JAN. 21, 1961.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.08	1.18	1.03	1.39	1.65	1.60	1.42	2.16	1.27	1.49	1.04	0.68
2	1.16	1.08	1.63	1.81	1.10	1.51	1.11	1.88	1.05	1.55	1.33	0.62
3	1.21	1.19	1.91	1.72	0.91	1.26	0.98	1.39	1.41	1.39	0.97	0.11
4	0.90	0.89	2.08	1.74	1.35	1.19	0.70	1.08	1.68	1.26	1.15	0.08
5	1.16	0.87	2.16	1.07	0.68	1.20	0.42	0.79	2.15	1.23	1.20	-0.03
6	1.25	0.95	0.70	0.62	0.48	1.02	0.66	0.75	2.39	1.35	1.23	-0.02
7	1.24	0.80	0.35	-0.01	0.53	0.96	0.73	0.75	2.16	1.42	1.37	0.79
8	1.29	0.72	0.16	0.00	0.76	1.72	0.97	1.02	1.89	1.39	1.72	0.98
9	1.35	0.38	0.25	0.31	0.79	0.91	1.34	1.29	1.76	1.51	1.35	0.10
10	1.48	0.32	0.21	0.87	0.31	1.27	1.87	1.13	1.68	1.67	1.22	0.42
11	1.76	0.26	0.30	1.00	0.60	1.30	1.74	1.24	1.73	1.62	1.35	0.77
12	1.63	0.36	0.32	1.13	0.79	1.12	1.30	1.39	1.67	1.68	1.38	0.71
13	1.12	0.71	0.41	1.41	0.94	1.09	0.83	1.46	1.72	1.82	1.48	0.32
14	1.41	1.09	0.71	1.21	1.29	1.09	0.47	1.47	1.71	2.20	1.77	0.39
15	1.14	1.24	1.03	1.34	0.93	0.76	0.43	1.43	1.48	2.29	1.89	0.39
16	0.96	1.26	1.33	1.09	0.94	0.80	0.19	1.28	1.26	2.36	1.08	0.23
17	0.97	1.07	1.57	0.95	1.30	0.94	0.46	1.18	1.67	2.18	0.69	0.69
18	1.20	1.01	1.61	0.87	1.74	1.18	0.69	1.10	1.75	1.74	0.87	0.69
19	1.24	1.27	1.38	0.76	1.95	0.94	0.85	1.16	1.72	0.78	0.98	1.48
20	1.53	1.42	1.47	0.44	1.27	0.88	0.57	1.37	1.70	-0.05	1.09	1.09
21	1.42	1.71	1.24	0.50	1.29	1.03	0.74	1.78	1.53	-0.32	0.89	0.50
22	1.56	0.86	1.14	0.75	1.23	1.23	1.35	2.21	1.30	0.00	0.96	0.13
23	1.22	-0.25	1.52	0.74	0.94	1.33	1.78	2.05	0.94	0.37	0.40	0.40
24	0.95	-0.59	1.14	0.77	0.81	1.59	1.64	1.60	0.94	0.63	0.91	0.91
25	0.84	-0.46	1.08	0.71	0.83	1.65	1.76	1.40	1.54	0.79	1.58	1.58
26	1.15	-0.07	1.15	0.62	0.93	1.70	1.88	1.38	1.52	1.09	1.59	-0.79
27	0.77	0.17	1.27	0.68	0.72	1.83	1.78	1.23	1.28	1.17	1.58	-0.56
28	0.97	0.56	1.57	0.74	0.63	2.02	1.61	1.27	1.51	1.37	1.49	-0.22
29	1.50	-----	1.80	1.08	1.15	1.86	1.41	1.35	1.92	1.40	0.94	0.16
30	1.16	-----	1.62	1.36	1.63	1.85	1.28	1.34	2.13	1.46	0.90	0.65
31	1.10	-----	1.16	-----	1.57	-----	1.35	1.29	-----	1.23	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.22	0.71	1.14	0.92	1.03	1.29	1.11	1.36	1.61	1.29	1.21	0.40
MAX	1.76	1.71	2.16	1.81	1.95	2.02	1.88	2.21	2.39	2.36	1.89	1.48
MIN	0.77	-0.59	0.16	-0.01	0.31	0.76	0.19	0.75	0.94	-0.32	0.40	-0.79
DAYS	31	28	31	30	31	30	31	31	30	31	30	26

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

THE MEAN STAGE FOR THE YEAR WAS 1.12.

HIGHEST STAGE WAS 2.65 AT 7:00 P.M. ON SEP 5.

LOWEST STAGE WAS MINUS 0.65 ON FEB 24.

DAILY STAGE FOR 1989

BAYOU BONFOUCA AT SLIDELL, LA.

LOCATION. LAT. 30-16-18, LONG. 89-47-39. ABOUT 30 FEET UPSTREAM FROM HIGHWAY 433 BRIDGE.
(STA. 8554003.)

GAGE. STAFF TYPE.

RECORDS AVAILABLE. AUG. 17, 1962 TO DATE.

EXTREMES. HIGHEST, 6.8 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 0.6 FOOT ON
FEB. 15, 1963.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	0.8	0.8	1.0	1.0	0.5	1.3	1.2	0.5	1.0	0.5	0.5
2	0.8	0.5	1.0	1.0	1.0	0.5	1.0	1.2	0.5	1.0	0.8	0.8
3	0.5	0.5	0.8	1.0	0.8	0.5	1.0	1.0	0.8	1.0	1.0	1.0
4	0.5	0.8	0.8	0.8	0.8	0.8	1.0	1.0	0.8	1.0	1.0	1.0
5	0.8	1.0	1.0	0.8	0.5	0.8	1.2	1.0	1.0	0.8	1.0	1.1
6	1.0	1.0	1.0	0.5	0.5	1.0	1.2	1.0	1.0	0.8	1.0	1.1
7	1.0	1.0	0.8	0.5	0.8	1.0	1.2	1.0	1.0	0.8	1.2	1.2
8	1.0	0.7	0.8	0.8	0.8	1.0	1.0	0.8	0.8	1.0	1.3	1.0
9	1.0	0.7	0.5	0.8	1.0	0.8	1.2	0.8	0.8	1.3	1.2	1.0
10	1.0	0.5	0.5	0.8	1.0	0.8	1.2	1.0	1.0	1.3	1.0	1.0
11	0.8	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
12	0.8	0.8	0.8	1.0	0.8	1.0	1.0	1.0	1.0	1.1	1.0	1.1
13	1.0	0.8	0.8	1.0	0.8	1.0	1.0	1.0	1.0	0.8	1.2	1.0
14	1.0	1.0	1.0	0.8	1.0	0.8	1.2	1.0	0.8	1.0	1.3	1.0
15	1.0	1.0	1.0	0.8	1.0	0.8	1.0	0.8	0.8	1.0	1.2	0.8
16	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.0	0.8
17	1.0	0.8	0.7	1.0	0.8	1.0	1.0	1.0	1.0	1.2	1.0	1.0
18	1.2	0.8	0.7	1.0	0.8	1.0	1.0	0.8	1.0	1.0	0.8	1.0
19	1.2	1.0	0.5	0.8	0.5	1.0	1.2	0.8	1.2	1.0	1.0	0.8
20	1.0	1.0	0.5	0.8	0.5	1.2	1.2	1.0	1.2	1.0	1.0	0.8
21	1.0	1.0	0.8	1.0	0.5	1.2	1.0	1.0	1.0	0.8	0.8	1.0
22	1.0	0.8	0.8	1.0	0.5	1.0	1.0	0.8	0.8	1.0	0.8	1.0
23	1.0	0.8	1.0	0.8	0.8	1.2	1.0	0.8	0.8	1.0	1.0	1.1
24	1.0	0.5	1.0	0.8	0.8	1.2	1.0	1.0	1.0	0.8	1.0	0.8
25	0.8	0.5	1.0	0.5	1.0	1.2	0.8	1.0	1.0	0.8	0.8	0.5
26	0.8	0.5	1.0	0.5	1.0	1.1	0.8	1.0	1.0	1.0	1.0	0.5
27	1.0	0.5	1.0	0.8	1.0	1.1	1.0	1.0	0.8	1.0	1.0	0.5
28	0.8	0.8	1.0	1.0	1.0	1.2	1.8	1.0	0.8	1.0	0.8	0.8
29	0.8	-----	1.2	1.0	1.0	1.2	1.8	1.0	1.0	0.8	0.8	0.8
30	1.0	-----	1.2	1.0	0.8	1.3	1.5	0.8	1.0	0.8	0.5	0.5
31	1.0	-----	1.0	-----	0.8	-----	1.5	0.8	-----	0.5	-----	0.5

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.9	0.8	0.9	0.9	0.8	1.0	1.1	1.0	0.9	1.0	1.0	0.9
MAX	1.2	1.0	1.2	1.0	1.0	1.3	1.8	1.2	1.2	1.3	1.3	1.2
MIN	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.5
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365
 THE MEAN STAGE FOR THE YEAR WAS 0.9.
 HIGHEST STAGE WAS 1.8 ON JUL 28 AND LATER DATE(S).
 LOWEST STAGE WAS 0.5 ON JAN 3 AND LATER DATE(S).

DAILY STAGE FOR 1989

LAKE PONTCHARTRAIN AT FRENIER, LA.

LOCATION. LAT. 30-06-22, LONG. 90-25-17. GAGE INTAKE AND STAFF ON STRUCTURE 1,200 FEET OFF SHORE FROM SERVICE ROAD, REMOTE RECORDER ON SHORE. (STA.8555006.)

GAGE. AUTOMATIC RECORDER WITH BUBBLER EQUIPMENT AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD. PRIOR TO 1957, GAGE ZERO WAS ERRONEOUSLY REPORTED AS MINUS 10.08 FEET, M.S.L.

RECORDS AVAILABLE. SEP. 1931 TO SEP. 1965, AND JAN. 1969 TO DATE.

EXTREMES. HIGHEST, 12.09 FEET, FROM WATERMARK LEFT BY HURRICANE OF SEP. 10, 1965. LOWEST, MINUS 2.71 FEET ON JAN. 28, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1965 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.81	0.60	0.98	1.24	0.60	1.32		0.82	1.00	0.94	0.40
2	0.51	0.66	1.14	0.93	0.74	0.56	0.79		0.62	1.22	0.80	0.30
3	0.28	0.66	1.38	0.94	0.97	0.14	0.66		1.09	1.01	1.04	0.52
4	0.54	1.03	1.53	0.98	0.79	0.10	0.50		1.48	1.17	0.85	-0.18
5	0.49	0.96	1.23	0.82	0.56	0.18	0.26		2.54	1.11	0.85	-0.59
6	0.67		0.11	0.29	0.20	0.23	0.28		2.17	1.26	0.87	
7	0.94	0.80	-0.02	-0.11	0.38	0.07	0.37		1.76	1.29	0.85	
8	1.23	1.01	-0.07	-0.53	0.22	0.26	0.56		1.47	1.51	1.15	
9	1.33	0.88	-0.06	0.11	0.39		0.62		1.40	1.55	1.12	
10	1.38	0.23	-0.33	0.85	0.09		0.84		1.31	1.45	0.65	
11	1.54	0.05	-0.30	1.00	0.38		0.70		1.43	1.38		-1.11
12	1.52	-0.05	-0.38	0.93	0.48	0.16	0.67		1.41	1.47	0.76	
13	0.91	0.39	-0.33	1.11	1.07	0.04	0.03		1.32	1.55	1.25	-0.08
14	1.09	0.50	-0.10	0.94	0.51	0.11	-0.30		1.22	2.14	1.35	-0.04
15	0.63	0.66	0.35	0.91		0.08	-0.30		1.05	2.19	1.49	0.02
16	0.90	0.66	0.84	0.80	0.44	0.07	-0.45		0.95	2.04	0.48	0.26
17	0.64	0.73	0.85	0.70	1.11		-0.29		1.38	1.87		0.62
18	0.87	0.67	0.88	0.69	2.13		-0.06	0.29	1.50	1.62	0.84	1.10
19		1.01	0.81	0.52	2.17	-0.02	-0.02	0.34	1.55	0.42		1.15
20		1.05	0.74	0.31	0.51	0.06	-0.03	0.71	1.61	-0.42	0.73	0.53
21		1.18	0.56	0.30	0.30	0.05	-0.11	1.24	1.35	-0.56	0.41	0.09
22		0.30	0.87	0.47	0.15		0.53	1.70	1.06		0.48	
23	1.14	-0.70	1.00	0.50	0.18	0.47	1.01	1.45	0.81		0.04	
24	0.76	-0.86	0.65	0.49	-0.15	0.70		0.95	0.84		0.77	
25	0.85	-1.01	0.52	0.46	-0.31			0.80	1.38		0.98	
26	1.04	-0.73	0.54	0.42	-0.19	0.72		0.81	1.15		1.11	-1.41
27	0.68	-0.53	0.67	0.46	-0.30	1.05		0.60	0.89		0.97	
28	1.04	-0.05	0.91	0.39	-0.35	1.13	0.96	0.74	1.32		0.83	
29	1.25	-----	1.01	0.66	0.05	1.19	0.69	0.87	1.74		1.21	
30	0.83	-----	0.95	0.95	0.48	1.59		0.85	1.61			0.39
31	0.75	-----	0.78	-----	0.61	-----	0.87	0.81	-----	-----	-----	0.74

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.92	0.38	0.56	0.61	0.50	0.41	0.39	0.87	1.34	1.25	0.88	0.15
MAX	1.54	1.18	1.53	1.11	2.17	1.59	1.32	1.70	2.54	2.19	1.49	1.15
MIN	0.28	-1.01	-0.38	-0.53	-0.35	-0.02	-0.45	0.29	0.62	-0.56	0.04	-1.41
DAYS	26	27	31	30	30	23	26	14	30	21	26	18

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 302

THE MEAN STAGE FOR THE YEAR WAS 0.69.

HIGHEST STAGE WAS 2.66 AT 12:30 P.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.74 ON DEC 10.

DAILY STAGE FOR 1989

LAKE PONTCHARTRAIN AT MANDEVILLE, LA.

LOCATION. LAT. 30-21-31, LONG. 90-05-45. ON SOUTH BOUND LANE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 0.5 MILE FROM NORTH PLAZA OF BRIDGE. (STA. 8557506.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO AUG. 2, 1957, GAGE WAS LOCATED AT LOTTS WHARF. ADD 0.3 TO DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 26, 1931 TO DATE.

EXTREMES. HIGHEST, 7.60 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.25 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.42	1.63	1.28	1.40	2.08							0.43
2	2.11	1.53	1.72	1.91	1.55							0.32
3	2.14	1.66	2.22	1.96	1.45							-0.27
4	1.98	1.38	2.41	2.06	2.03						0.84	-0.23
5	2.14	1.62	2.50	1.28							0.79	-0.41
6	1.71	1.69	1.13	1.28							0.83	-0.33
7	2.12	1.59	0.83	0.82							0.89	0.17
8	2.02	1.41	0.62	0.80							1.20	0.45
9	2.28	0.94	0.66	0.77							0.53	-0.41
10	3.04	0.92	0.56	1.18							0.61	-0.08
11	3.34	0.78	0.65	1.49							0.67	0.23
12	3.06	0.80	0.62	1.61							0.70	0.32
13	1.69	1.10	0.66	1.90							0.94	-0.06
14	2.27	1.36	0.90	1.79							1.25	-0.07
15	1.92	1.51	1.28	1.85							1.45	0.12
16	1.38	1.55	1.56	1.57							0.57	-0.24
17	1.50	1.40	1.77	1.60							0.28	0.32
18	1.44	1.46	1.81	1.56							0.38	0.77
19	1.72	1.77	1.50	1.44							0.52	1.00
20	1.89	1.98	1.65	1.12							0.62	0.54
21	1.67	2.03	1.49	1.21							0.41	-0.04
22	2.27	1.21	1.45	1.40							0.50	-0.54
23	1.89	0.19	2.01	1.38							-0.11	-1.36
24	1.75	-0.23	1.55	1.35							0.39	-1.50
25	1.27	-0.06	1.42	1.34							0.96	-1.27
26	1.59	0.25	1.46	1.29							1.06	-1.03
27	0.81	0.42	1.53	1.13							1.04	-0.77
28	1.27	0.76	1.74	1.31							1.03	-0.47
29	1.89	-----	1.91	1.11							0.60	0.01
30	1.51	-----	1.89	1.68							0.49	0.43
31	1.25	-----	1.29	-----		-----			-----		-----	0.77

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.91	1.17	1.42	1.42	1.78						0.72	-0.10
MAX	3.34	2.03	2.50	2.06	2.08						1.45	1.00
MIN	0.81	-0.23	0.56	0.77	1.45						-0.11	-1.50
DAYS	31	28	31	30	4	0	0	0	0	0	27	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 182

THE MEAN STAGE FOR THE YEAR WAS 1.11.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 3.55 AT 6:00 A.M. ON JAN 11.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.75 ON DEC 23.

DAILY STAGE FOR 1989

LAKE PONTCHARTRAIN AT MIDLAKE NEAR NEW ORLEANS, LA.

LOCATION. LAT. 30-11-16, LONG. 90-07-33. ON SOUTH BOUND BRIDGE OF LAKE PONTCHARTRAIN CAUSEWAY BRIDGE, 11.6 MILES NORTH OF THE SOUTH PLAZA. (STA. 8560006.)

GAGE. AUTOMATIC RECORDER AND WIRE WEIGHT.

GENERAL INFORMATION. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. AUG. 9, 1957 TO DATE.

EXTREMES. HIGHEST, 6.14 FEET (CAUSED BY HURRICANE) ON OCT. 29, 1985. LOWEST, MINUS 1.28 FEET ON MAR. 6, 1965. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1957 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.63	1.76	2.35	2.16	2.60	2.16	2.09	2.10	1.15	1.48		
2	1.59	1.56	2.88	2.35	2.03	2.09	1.90	1.90	0.99	1.59		
3	1.68	1.85	3.07	2.46	1.71	1.88	1.73	1.47	1.41	1.35		
4	1.48	1.92	3.29	2.49	1.99	1.79	1.50	1.13	1.75	1.27		
5	1.44	2.00	3.33	2.08	1.81	1.80	1.21	0.86	2.79	1.23		
6	1.71	2.22	2.19	1.76	1.48	1.75	1.36	0.75	2.51	1.36		
7	1.77	2.48	2.00	1.40	1.45	1.63	1.32	0.86	2.08	1.40		
8	1.80	2.41	1.83	1.39	1.51	2.21	1.41	1.34	1.84	1.34		
9	1.78	2.09	1.85	1.47	1.53	1.63	1.59	1.60	1.72	1.44		
10	1.94	1.90	1.69	2.01	1.11	1.83	1.99	1.41	1.59	1.63		
11	2.21	1.75	1.79	2.27	1.37	1.91	1.97	1.51	1.62	1.49		
12	2.20	1.80	1.75	2.29	1.46	1.78	1.66	1.60	1.58	1.52		
13	1.70	2.03	1.80	2.53	1.58	1.70	1.32	1.60	1.58	1.60		
14	1.77	2.29	1.93	2.44	1.83	1.63	1.03	1.55	1.53	2.16		
15	1.69	2.37	2.48	2.51	1.70	1.53	0.90	1.42	1.42	2.22		
16	1.56	2.41	2.81	2.23	1.70	1.51	0.38	1.27	1.36	2.10		
17	1.42	2.30	2.97	2.23	1.96	1.53	0.33	1.15	1.68	1.94		
18	1.69	2.32	2.83	2.35	2.33	1.56	0.62	1.05	1.84	1.76		
19	1.83	2.51	2.44	2.22	2.40	1.48	0.81	1.09	1.80	0.76		
20	2.13	2.62	2.69	1.64	2.10	1.35	0.45	1.33	1.78	-0.13		
21	2.13	2.82	2.52	1.69	2.00	1.39	0.58	1.73	1.61	-0.35		
22	2.19	2.30	2.54	1.84	1.93	1.43	1.05	2.23	1.36			
23	1.83	1.63	3.02	1.83	1.79	1.53	1.61	2.02	1.04			
24	1.66	1.10	2.47	1.85	1.47	1.72	1.78	1.58	1.21			
25	1.60	1.14	2.52	1.80	1.47	1.77	2.11	1.34	1.80			
26	1.77	1.42	2.50	1.79	1.44	1.79	2.22	1.26	1.60			
27	1.40	1.56	2.49	1.70	1.37	1.96	1.97	1.09	1.30			
28	1.89	1.92	2.71	1.70	1.17	2.09	1.72	1.14	1.60			
29	2.29	-----	2.74	1.74	1.61	2.08	1.51	1.28	2.03			
30	1.99	-----	2.70	2.14	1.97	2.22	1.38	1.28	2.13			
31	1.87	-----	2.41	-----	2.13	-----	1.40	1.22	-----	-----		

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.79	2.02	2.47	2.01	1.74	1.76	1.38	1.39	1.66	1.39		
MAX	2.29	2.82	3.33	2.53	2.60	2.22	2.22	2.23	2.79	2.22		
MIN	1.40	1.10	1.69	1.39	1.11	1.35	0.33	0.75	0.99	-0.35		
DAYS	31	28	31	30	31	30	31	31	30	21	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 294

THE MEAN STAGE FOR THE YEAR WAS 1.77.

HIGHEST STAGE WAS 3.41 AT 7:00 A.M. ON MAR 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.64 ON OCT 21.

DAILY STAGE FOR 1989

LAKE PONTCHARTRAIN AT WEST END, LA.

LOCATION. LAT. 30-01-18, LONG. 90-06-57. THIRTY FEET EAST OF MUNICIPAL YACHT BUILDING IN WEST END HARBOR. (STA. 8562506.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO DEC. 1, 1946, GAGE WAS LOCATED 110 FEET WEST OF SOUTHERN YACHT CLUB. SUBTRACT 0.1 FOOT FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 25, 1931 TO NOV. 30, 1946, AND MAR. 9, 1949 TO DATE.

EXTREMES. HIGHEST, 6.11 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 2.20 FEET ON JAN. 26 AND 27, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1985 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.80	0.82	0.60	0.73	1.41	1.07	1.22	1.63	0.90	1.51	0.99	0.91
2	0.73	0.73	1.43	0.90	0.79	0.98	0.98	1.41	0.76	1.62	1.35	0.78
3	0.77	0.91	1.37	1.01	0.62	0.79	0.82	1.04	1.19	1.37	1.09	0.77
4	0.66	0.92	1.59	1.06	0.63	0.61	0.52	0.68	1.56	1.36	1.14	0.26
5	0.67	0.95	1.63	1.05	0.62	0.67	0.32	0.44	2.59	1.34	1.18	-0.01
6	0.93		0.51	0.43	0.32	0.71	0.53	0.34	2.32	1.47	1.24	0.07
7	1.00	0.95	0.34	0.06	0.24	0.56	0.53	0.50	1.94	1.51	1.26	0.55
8	1.30	0.77	0.11	-0.26	0.23	0.88	0.64	1.09	1.69	1.57	1.58	1.24
9	1.35	0.67	0.09	0.02	0.35	0.63	0.85	1.25	1.56	1.64	1.21	0.32
10	1.52	0.16	-0.16	0.99	0.05	0.78	1.14	1.08	1.46	1.82	0.99	0.29
11	1.61	0.01	-0.13	1.02	0.28	0.89	1.10	1.18	1.47	1.66	1.06	0.61
12	1.49	0.04	-0.19	0.92	0.31	0.70	0.80	1.29	1.43	1.65	1.12	1.19
13	1.05	0.33	-0.15	1.16	0.42	0.65	0.39	1.32	1.41	1.73	1.34	0.44
14	0.95	0.68	0.06	1.00	0.69	0.42	0.10	1.26	1.38	2.25	1.66	0.31
15	0.91	0.78	0.50	1.10	0.57	0.61	-0.05	1.13	1.31	2.33	1.78	0.43
16	0.77	0.86	0.92	0.78	0.58	0.62	-0.05	0.96	1.28	2.18	1.22	0.62
17	0.54	0.78	0.99	0.79	0.87	0.56	-0.12	0.86	1.60	2.06	0.65	0.87
18	0.83	0.84	1.02	0.74	1.35	0.70	0.14	0.75	1.74	2.14	0.82	1.36
19		1.06	0.78	0.68	1.33	0.69	0.25	0.82	1.77	1.09	1.06	1.76
20		1.21	0.85	0.34	1.06	0.49	0.04	1.04	1.76	0.15	1.06	1.10
21		1.42	0.66	0.34	0.99	0.54	0.11	1.49	1.59	-0.10	0.78	0.56
22		0.85	0.89	0.57	0.77	0.67	0.53	1.90	1.35	0.22	0.85	0.74
23	1.01	-0.11	1.26	0.51	0.62	0.75	1.12	1.72	1.10	0.55	0.52	
24	0.86	-0.76	0.76	0.48	0.29	1.06	1.30	1.31	1.29	0.81	0.91	
25	0.69	-0.85	0.64	0.49	0.19	1.13	1.67	1.07	1.93	0.83	1.37	
26	0.93	-0.56	0.67	0.42	0.28	1.08	1.82	1.00	1.69	1.02	1.43	
27	0.64	-0.41	0.66	0.37	0.26	1.23	1.54	0.86	1.39	1.04	1.37	
28	0.75	0.16	0.86	0.39	-0.02	1.27	1.27	0.86	1.67	1.26	1.45	
29	1.21	-----	1.00	0.76	0.50	1.37	1.09	1.03	2.14	1.16	1.43	
30	0.82	-----	1.12	0.88	0.92	1.51	0.93	1.02	2.21	1.27	1.11	
31	0.70	-----	1.18	-----	1.07	-----	0.95	0.98	-----	1.17	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.94	0.49	0.70	0.66	0.60	0.82	0.73	1.07	1.58	1.34	1.17	0.69
MAX	1.61	1.42	1.63	1.16	1.41	1.51	1.82	1.90	2.59	2.33	1.78	1.76
MIN	0.54	-0.85	-0.19	-0.26	-0.02	0.42	-0.12	0.34	0.76	-0.10	0.52	-0.01
DAYS	27	27	31	30	31	30	31	31	30	31	30	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 351

THE MEAN STAGE FOR THE YEAR WAS 0.91.

HIGHEST STAGE WAS 2.59 AT 6:00 A.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.87 ON FEB 25.

DAILY STAGE FOR 1969

LAKE PONTCHARTRAIN (IRISH BAYOU) NEAR SOUTH SHORE, LA.

LOCATION. LAT. 30-08-46, LONG. 89-51-41. ON EAST BANK 800 FEET NORTHEAST OF U. S. HIGHWAY 11
BRIDGE AT LITTLE IRISH BAYOU. (STA. 8567503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO APR. 17, 1963, GAGE WAS LOCATED ON SOUTH DRAWBRIDGE. SUBTRACT 0.1
FROM DAILY STAGES PRIOR TO 1955. PRIOR TO 1976 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. MAY 3, 1949 TO DATE.

EXTREMES. HIGHEST, 7.16 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.30 FEET ON
JULY 25, 1954, AND LATER DATES. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.65	0.73	0.46	0.40	1.32	1.22	1.50	1.55	0.95	1.30	0.79	0.67
2	0.60	0.65	1.15	0.61	0.72	1.20	1.31	1.39	0.70	1.33	1.04	0.58
3	0.71	0.77	1.19	0.90	0.66	1.05	1.02 F	0.60	1.18	1.12	0.87	0.20
4	0.40	0.69	1.38	1.00	0.91	0.80	1.00		1.60	1.10	1.00	0.18
5	0.50	0.84	1.45	0.70	1.18	0.89	0.50		2.42	1.21	1.08	-0.12
6	0.90	0.87	0.35	0.49	0.34	0.69	0.57		2.20	1.32	1.19	0.04
7	0.89	0.87	0.10	-0.08	0.29	0.65	0.62 F	0.60	1.88	1.42	1.21	0.35
8	0.89	0.70	0.01	0.02	0.30	1.33	0.72	1.00	1.68	1.39	1.42	0.88
9	1.21	0.40	0.02	0.12	0.23	0.63	0.93	1.24	1.59	1.50	0.99	0.00
10	1.56	0.13	-0.14	0.68	-0.26	0.82	1.20	1.10	1.48	1.60	0.77	-0.05
11	1.60	-0.05	-0.18	0.64	0.18	0.94	1.18	1.23	1.58	1.46	0.80	0.33
12	1.50	-0.10	-0.32	0.56	0.29	0.85	0.93	1.29	1.50	1.44	0.82	0.71
13	0.87	0.20	-0.28	0.91	0.40	0.81	0.70	1.33	1.40	1.48	1.02	0.24
14	0.92	0.52	-0.05	0.77	0.51	0.78	0.45	1.34 F	1.33	1.92	1.47	0.14
15	0.73	0.62	0.35	0.99	0.67	0.89	0.30	1.22 F	1.32	2.00	1.60	0.35
16	0.68	0.70	0.63	0.71	0.70	0.78	0.21	1.02		1.91	1.03	0.50
17	0.39	0.55	0.85	0.66	0.95	0.80	0.16	0.97	1.30	1.81	0.54	0.71
18	0.79	0.60	0.87	0.73	1.35	0.93	0.48	0.81	1.49	1.75	0.70	1.12
19	0.69	0.82	0.56	0.60	1.35	1.10	0.54	0.81	1.58	0.78	0.92	1.49
20	1.19	1.03	0.72	0.49	1.09	0.65	-0.12	1.02	1.57	0.00	0.87	0.81
21	1.26	1.22	0.64	0.49	1.25	0.70	0.28	1.40	1.48	-0.11	0.61	0.30
22	1.32	0.75	0.85	0.68	0.90	0.73	0.61	1.94	1.33	0.19	0.72	0.20
23	0.87	-0.23	1.13	0.60	0.67	0.84	1.10	1.78	0.97	0.43	0.34	-0.39
24	0.59	-0.94	0.73	0.54	0.28	1.09	1.37	1.35	1.10	0.60	0.52	
25	0.70	-0.94	0.64	0.42	0.22	1.23	1.54	1.19	1.80	0.65	1.02 F	-1.20
26	0.95	-0.59	0.70	0.29	0.28	1.26	1.75	1.12	1.58	0.74	1.12	-0.97
27	0.55	-0.35	0.69	0.16	0.12	1.38	1.57	1.00	1.20	0.70	1.12	-0.61
28	0.80	-0.02	0.73	0.20	0.06	1.49	1.40	1.01	1.48	0.89	1.10	-0.30
29	1.08	-----	0.90	0.50	0.65	1.48	1.20	1.10	1.85	0.88	0.97	0.24
30	0.76	-----	0.91	0.61	1.00	1.63	1.06	1.10	2.00	1.00	0.82	0.60
31	0.58	-----	0.89	-----	1.20	-----	1.01	1.09	-----	0.88	-----	1.10

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.88	0.37	0.58	0.55	0.64	0.99	0.87	1.16	1.50	1.12	0.95	0.27
MAX	1.60	1.22	1.45	1.00	1.35	1.63	1.75	1.94	2.42	2.00	1.60	1.49
MIN	0.39	-0.94	-0.32	-0.08	-0.26	0.63	-0.12	0.60	0.70	-0.11	0.34	-1.20
DAYS	31	28	31	30	31	30	31	28	29	31	30	30

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 360

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.82.

HIGHEST STAGE WAS 2.62 AT 6:00 A.M. ON SEP 5.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.30 ON DEC 25.

DAILY STAGE FOR 1989

RIGOLETS NEAR LAKE PONTCHARTRAIN (LA.)

LOCATION. LAT. 30-10-02, LONG. 89-44-13. ABOUT 50 FEET SOUTHEAST OF U. S. HIGHWAY 90 AT FORT PIKE, NEAR EXTREME EAST END OF LAKE PONTCHARTRAIN. (STA. 8570003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. ADD 0.2 TO DAILY STAGES PRIOR TO 1955. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD. THE GAGE HAS BEEN LOCATED AT THE PRESENT SITE SINCE APR. 17, 1963. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET, NGVD.

RECORDS AVAILABLE. SEP. 1931 TO DATE.

EXTREMES. HIGHEST, 9.00 FEET (CAUSED BY HURRICANE) ON AUG. 18, 1969. LOWEST, MINUS 1.9 FEET ON JAN. 26, 1938. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.02	0.03	0.00		0.89				0.50	0.49	0.31	0.29
2	-0.06	-0.13	0.50	-0.09	0.29				0.25	0.58	0.61	0.20
3	0.11	0.05	0.53	0.30	0.38		F 0.64		0.75	0.50	0.50	-0.23
4	-0.10	-0.02	0.75	0.49	0.74		-0.01		1.00	0.57	0.70	-0.07
5	-0.10	0.30	0.67	0.20	1.37	0.48			1.89	0.87	0.79	-0.52
6	-0.20	0.31	-0.37	0.27	0.08	-0.05			1.75	0.95	0.97	-0.18
7	-0.13	0.35	-0.50	-0.79	-0.13	0.19		0.18	1.39	1.12	0.87	-0.14
8	-0.06	0.25	-0.44	-0.23	-0.15	1.17			1.08	1.01	1.06	0.17
9	0.00	-0.01	-0.38	-0.20	-0.32	0.05			0.99	1.19	0.43	-0.69
10	F 0.92	-0.28	-0.45	0.13	-0.75	0.25	0.80		0.89	1.20	0.12	-0.60
11	1.27	-0.55	-0.63	-0.01	-0.14	0.32	0.80		0.83	1.05	0.09	-0.29
12	1.19	-0.72	-0.83	-0.10	-0.13	0.39	0.57		0.78	0.93	0.18	0.10
13	0.30	-0.40	-0.82	F 0.55	-0.02	0.37	0.41			0.85	0.50	-0.21
14	0.39	-0.20	-0.67	0.05	0.22	0.38	0.25	1.10		1.29	0.91	-0.30
15	0.07	-0.10	-0.38	0.28	0.33	0.59	0.19				1.19	0.00
16	-0.10	0.00	-0.20	0.30	0.36	0.40	-0.01	0.62		F 1.20	0.41	0.10
17	-0.31	-0.08	0.05	0.20	0.61	0.46	0.00	0.54		1.30	0.21	0.40
18	0.09	0.20	0.12	0.34	0.95	0.54	0.20	0.38	F 1.05		0.35	0.71
19	0.12	0.42	-0.20	0.29	1.06	0.46		0.30	1.03		0.66	1.09
20	0.58	0.73	0.07	0.26	0.50	0.23		0.61	0.90		0.43	0.21
21	0.78	0.87	0.15	0.25	0.74	0.23		0.98	0.66		0.10	-0.30
22	0.85	0.08	0.45	0.42	0.41	0.20		1.50	0.48		0.30	-0.49
23	0.30		0.70	0.29	F 0.20	0.35		1.38			-0.38	F -0.70
24	0.10		0.35	0.19	-0.33	0.50	1.00	1.05		F 0.00	0.03	
25	0.29	F -0.80	0.27	0.02	-0.32	0.71	1.19	0.90	F 1.29		0.35	
26	0.59	F -0.80	0.28	-0.30	-0.30	0.81	1.35	0.89	0.96		0.47	
27	0.15	-0.70	0.20	-0.44	-0.59	0.94	1.24	0.74	0.52		0.41	F -1.20
28	0.50	-0.54	0.30	-0.39	-0.40		1.12	0.73	0.80		0.44	
29	0.59	-----	0.32	-0.06	0.12		0.92	0.80	1.09		0.35	
30	0.20	-----	0.05	0.27	F 0.40		0.79	0.70	1.10	F 0.15	0.30	
31	-0.19	-----	-0.10	-----	F 0.90	-----	0.64	0.60	-----	0.29	-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.26	-0.07	-0.01	0.09	0.22	0.43	0.64	0.78	0.96	0.82	0.46	-0.14
MAX	1.27	0.87	0.75	0.55	1.37	1.17	1.35	1.50	1.89	1.30	1.19	1.09
MIN	-0.31	-0.80	-0.83	-0.79	-0.75	-0.05	-0.01	0.18	0.25	0.00	-0.38	-1.20
DAYS	31	26	31	29	31	23	19	18	23	19	30	25

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 305

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 0.33.

HIGHEST STAGE WAS 1.95 AT 6:00 P.M. ON MAR 29 AND LATER DATE(S).

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.20 ON DEC 27.

DAILY STAGE FOR 1989
LAKE BORGNE AT RIGOLETS (LA.)

LOCATION. LAT. 30-08-30, LONG. 89-38-20. ON DOCK OF APACHE OIL COMPANY IN LITTLE RIGOLETS, NEAR IWW. (STA. 8572503.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET. NGVD.

RECORDS AVAILABLE. FEB. 10 TO MAR. 30, 1950, DEC. 21, 1957 TO SEP. 10, 1965, AND JULY 11, 1967, TO DATE.

EXTREMES. HIGHEST, 12.25 FEET, FROM WATERMARK LEFT BY HURRICANE OF AUG. 1969. LOWEST, MINUS 2.17 FEET ON APR. 12, 1988. EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.25	1.20	0.42	1.27	1.78	2.04					
2		0.09	1.23	0.26	0.93	1.80	1.89					
3		0.21	1.16	0.49	1.23	1.66	1.38					
4		0.33	1.40	0.77	1.61	1.45	1.34					
5		0.61	1.31	0.54	1.57	1.42	0.93					
6		0.72	0.30	1.14	0.98	0.57						
7		0.73	0.46	-0.41	0.82	1.19						
8		0.57	0.63	0.60	0.64	1.90						
9		0.71	0.82	0.83	0.18	0.91						
10		0.41	0.93	0.96	-0.51	1.17						
11		0.14	0.56	0.73	0.66	1.06						
12		-0.31	0.26	0.57	0.51	1.25						
13		-0.05	0.26	0.47	0.60	1.27						
14		-0.02	0.41	0.29	0.80	1.42						
15	0.00	0.03	0.63	0.51	1.00	1.46						
16	0.00	0.09	0.76	0.86	1.16	1.55						
17	-0.05	0.12	0.05	0.65	1.46	1.61						
18	0.10	0.45	0.18	0.93	1.67	1.59						
19	0.30	0.66	0.06	0.81	1.91	1.64						
20	0.74	1.00	0.22	1.10	1.25	1.31						
21	1.13	0.96	0.36	1.03	1.62	1.19						
22	1.13	0.18	0.98	1.20	1.32	1.15						
23	0.43	-0.79	0.98	1.02	0.68	1.38						
24	0.39	-0.58	0.88	0.90	0.60	1.39						
25	0.67	-0.25	0.84	0.67	0.44	1.55						
26	1.00	-0.36	0.86	0.25	0.47	1.70						
27	0.68	-0.05	0.79	0.13	0.02	1.79						
28	1.31	-0.13	0.95	0.03	0.57	2.08						
29	0.96	-----	0.91	0.30	1.02	2.09						
30	0.64	-----	0.05	0.97	1.22	2.25						
31	0.06	-----	-0.09	-----	1.73	-----						

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.56	0.20	0.66	0.63	0.95	1.49	1.52					
MAX	1.31	1.00	1.40	1.20	1.91	2.25	2.04					
MIN	-0.05	-0.79	-0.09	-0.41	-0.51	0.57	0.93					
DAYS	17	28	31	30	31	30	5	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 172

THE MEAN STAGE FOR THE YEAR WAS 0.79.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.60 AT 10:00 P.M. ON MAR 3.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.10 ON FEB 23.

DAILY STAGE FOR 1989

CHEF MENTEUR PASS NEAR LAKE BORGNE (LA.)

LOCATION. LAT. 30-04-04, LONG. 89-48-25. ON EAST BANK, SOUTH OF U. S. HIGHWAY 90 BRIDGE, ON TALLY NO CLUB WHARF. (STA. 8575003.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO OCT. 18, 1967, GAGE WAS LOCATED ON LAKE BORGNE NEAR MOUTH OF CHEF MENTEUR PASS. PRIOR TO 1975 GAGE ZERO WAS MINUS 10.00 FEET NGVD.

RECORDS AVAILABLE. STAGE, APR. 30 TO JUNE 9, 1945, FEB. 11 TO MAR. 30, 1950, JULY 27, 1957 TO SEP. 10, 1965, AND OCT. 18, 1967 TO DATE. DISCHARGE, 1937 AND 1945.

EXTREMES. HIGHEST, 9.07 FEET (FROM HIGH-WATER INDICATOR) AS RESULT OF HURRICANE ON SEP. 10, 1965. LOWEST, MINUS 2.27 FEET ON APR. 12, 1988 (POSSIBLY LOWER IN MAR. 1965). EXTREMES HAVE BEEN ADJUSTED TO NGVD.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.30	0.20	0.45	0.41	1.12	1.43	1.69	1.58	0.86	1.07	0.89	0.73
2	0.13	-0.01	0.73	0.22	0.57	1.42	1.52	1.10	0.54	1.22	1.10	0.65
3	0.10	0.20	0.70	0.40	1.01	1.37	0.99	0.93	1.29	0.83	1.24	0.29
4	0.06	0.35	0.94	0.65	1.04	1.00	0.91	0.52	1.82	1.14	1.30	0.50
5	0.01	0.53	0.77	0.50	0.90	0.88	0.61	0.39	2.60	1.50	1.39	-0.14
6	0.50	0.68	-0.18	0.78	0.61	0.40	0.40	0.38	2.27	1.50	1.53	0.35
7	0.51	0.80	-0.05	-0.44	0.50	0.79	0.73	0.64	2.08	1.68	1.39	0.29
8	0.73	0.70	0.15	0.13	0.20	1.45	0.80	1.47	1.89	1.85	1.29	0.41
9	1.31	0.69	0.22	0.60	-0.28	0.52	1.10	1.51	1.83	2.17	1.05	-0.50
10	1.80	0.22	0.04	0.90	-0.85	0.92	1.31	1.49	1.72	1.95	0.35	-0.35
11	1.67	-0.25	-0.35	0.54	0.38	0.81	1.39	1.62	1.72	1.68	0.28	-0.06
12	1.60	-0.62	-0.68	0.40	0.30	0.92	1.12	1.63	1.77	1.51	0.42	0.65
13	0.69	-0.20	-0.65	0.50	0.28	0.97	0.90	1.70	1.62	1.37	0.71	0.19
14	0.87	0.01	-0.50	0.27	0.34	0.98	0.77	1.60	1.41	1.74	1.23	0.07
15	0.13	0.10	-0.10	0.49	0.73	1.08	0.77	1.49	1.28	1.68	1.47	0.49
16	0.20	0.18	0.17	0.55	0.85	1.19	0.48	1.21	1.15	1.52	0.77	0.88
17	0.08	0.30	0.25	0.44	1.19	1.25	0.61	1.10	1.40	1.60	1.00	1.19
18	0.20	0.42	0.35	0.71	1.41	1.23	0.75	0.99	1.52	1.69	0.95	1.31
19	0.50	0.70	0.20	0.56	1.50	1.10	0.60	0.85	1.90	0.80	1.32	1.54
20	0.99	0.98	0.32	0.71	1.09	0.84	-0.33	1.09	1.90	0.11	0.85	0.69
21	1.30	1.18	0.40	0.73	1.45	0.80	0.62	1.56	1.81	0.44	0.50	0.01
22	1.24	0.25	1.20	0.88	0.81	0.80	0.63	2.00	1.60	0.62	0.59	0.20
23	0.50	-0.60	0.98	0.70	0.40	1.09	1.20	1.78	1.45	0.68	0.48	-0.71
24	0.38	-0.52	0.82	0.59	0.34	1.14	1.60	1.59	1.58	0.88	0.65	-1.30
25	0.60	-0.60	0.73	0.25	0.06	1.39	1.94	1.54	2.30	0.73	0.79	-1.39
26	0.88	-0.51	0.69	-0.20	0.12	1.40	2.01	1.55	1.72	0.70	0.74	-1.16
27	0.55	-0.45	0.50	-0.33	-0.25	1.52	1.90	1.30	1.32	0.61	0.63	-0.85
28	0.99	-0.36	0.65	-0.30	0.35	1.73	1.72	1.40	1.78	0.80	0.69	-0.40
29	0.80	-----	0.55	0.28	0.80	1.80	1.50	1.32	1.94	0.68	0.94	0.35
30	0.37	-----	0.09	0.60	0.99	1.98	1.30	1.20	1.60	0.75	0.89	0.71
31	-0.05	-----	-0.04	-----	1.48	-----	1.30	1.03	-----	0.70	-----	1.01

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.64	0.16	0.29	0.42	0.63	1.14	1.06	1.28	1.66	1.17	0.91	0.18
MAX	1.80	1.18	1.20	0.90	1.50	1.98	2.01	2.00	2.60	2.17	1.53	1.54
MIN	-0.05	-0.62	-0.68	-0.44	-0.85	0.40	-0.33	0.38	0.54	0.11	0.28	-1.39
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 0.80.

HIGHEST STAGE WAS 2.97 AT 2:15 A.M. ON SEP 5.

LOWEST STAGE WAS MINUS 1.66 ON DEC 25.

DAILY STAGE FOR 1989

BAYOU TERRE AUX BOEUF AT DELACROIX, LA.

LOCATION. LAT. 29-45-50, LONG. 89-47-32. ON BRIDGE AT END OF LOUISIANA HIGHWAY 300.
(STA. 8578004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. MAY 15, 1975 TO DATE.

EXTREMES. HIGHEST, 6.86 FEET (CAUSED BY HURRICANE) ON OCT. 28, 1985. LOWEST, MINUS 1.53 FEET ON
DEC. 26, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.81	0.87	0.65	0.60	1.38	1.20	1.35	1.73	1.19	1.69	1.07	1.10
2	0.81	0.77	1.22	0.86	1.02	1.19	1.20	1.53	1.01	1.68	1.25	0.93
3	0.85	0.90	1.16	0.82	0.84	1.09	1.02	1.24	1.33	1.45	1.54	0.87
4	0.45	0.78	1.36	0.98	1.09	0.98	0.87	0.97	1.54	1.41	1.45	1.12
5	0.70	0.95	1.46	0.76	0.96	1.03	0.48	0.73	2.52	1.44	1.19	0.52
6	0.99	1.06	0.60	0.69	0.57	0.80	0.53	0.57	2.37	1.49	1.19	0.26
7	1.00	0.87	0.27	0.22	0.55	0.85	0.47	0.67	2.04	1.53	1.48	0.52
8	1.15	0.74	0.16	0.22	0.47	1.14	0.68	0.81	1.90	1.52	1.86	1.04
9	1.23	0.55	0.17	0.08	0.45	0.78	0.95	1.21	1.77	1.84	1.59	0.43
10	1.37	0.33	0.13	0.65	0.01	1.04	1.19	1.10	1.64	2.12	1.54	0.56
11	1.47	0.20	0.03	0.78	0.43	0.94	1.16	1.10	1.60	1.88	1.41	0.39
12	1.40	0.18	-0.10	0.82	0.45	0.93	1.04	1.27	1.62	1.69	1.32	0.73
13	1.03	0.44	-0.10	1.08	0.64	0.91	0.76	1.34	1.70	1.72	1.41	0.87
14	1.04	0.67	0.14	0.99	0.65	0.80	0.49	1.41	1.61	2.30	1.57	0.84
15	0.92	0.73	0.53	1.03	0.72	0.92	0.31	1.21	1.57	2.27	1.64	0.40
16	0.75	0.79	0.65	0.80	0.81	0.72	0.35	1.11	1.59	2.13	1.44	0.92
17	0.65	0.70	0.80	0.83	1.04	0.78	0.12	1.03	1.76	2.04	1.69	0.96
18	0.83	0.72	0.83	0.86	1.40	0.91	0.43	0.94	1.83	2.09	1.36	1.16
19	0.86	0.94	0.60	0.76	1.48	0.83	0.55	0.98	1.82	2.29	1.08	1.21
20	1.24	1.07	0.73	0.50	1.20	0.72	0.28	1.18	1.82	1.88	0.94	0.84
21	1.34	1.21	0.72	0.57	1.15	0.83	0.30	1.42	1.79	1.25	0.78	0.53
22	1.40	0.54	0.83	0.80	1.06	0.84	0.73	1.84	1.57	0.93	0.83	1.05
23	1.04	-0.38	1.09	0.70	0.81	0.92	1.10	1.70	1.45	0.88	0.74	0.88
24	0.85	-0.57	0.80	0.67	0.48	1.14	1.13	1.43	2.02	0.88	1.18	-0.03
25	0.84	-0.54	0.68	0.59	0.44	1.24	1.42	1.31	2.08	0.79	0.92	-0.42
26	1.04	-0.32	0.73	0.52	0.47	1.30	1.55	1.29	2.15	0.92	1.03	-0.47
27	0.63	-0.13	0.75	0.46	0.25	1.43	1.51	1.20	1.65	0.94	1.11	-0.16
28	0.75	0.14	0.93	0.62	0.19	1.50	1.37	1.23	1.68	1.09	1.12	0.02
29	1.11	-----	1.01	0.65	0.58	1.44	1.26	1.31	2.19	1.11	1.38	0.44
30	0.88	-----	1.10	0.85	0.96	1.45	1.19	1.30	2.02	1.21	1.73	0.66
31	0.76	-----	0.86	-----	1.15	-----	1.22	1.22	-----	1.14	-----	0.66

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.97	0.51	0.67	0.69	0.76	1.02	0.87	1.21	1.76	1.54	1.30	0.61
MAX	1.47	1.21	1.46	1.08	1.48	1.50	1.55	1.84	2.52	2.30	1.86	1.21
MIN	0.45	-0.57	-0.10	0.08	0.01	0.72	0.12	0.57	1.01	0.79	0.74	-0.47
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 0.99.

HIGHEST STAGE WAS 2.56 AT NOON ON SEP 5.

LOWEST STAGE WAS MINUS 1.53 ON DEC 26.

DAILY STAGE FCX 1989

MISSISSIPPI RIVER-GULF OUTLET AT SHELL BEACH, LA.

LOCATION. LAT. 29-51-00, LONG. 89-41-00. ON SOUTH BANK OF BAYOU YSCLOSKEY 200 FEET SOUTHWEST OF JUNCTION WITH MISSISSIPPI RIVER GULF OUTLET. (STA. 8580004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO JUNE 30, 1961, GAGE WAS LOCATED IN BAYOU YSCLOSKEY, 500 FEET ABOVE MOUTH.

RECORDS AVAILABLE. JULY 7, 1948 TO DATE.

EXTREMES. HIGHEST, 11.06 FEET (CAUSED BY HURRICANE) ON AUG. 17, 1969. ESTIMATED LOWEST, MINUS 2.7 FEET ON MAR. 5, 1965.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.62	0.10	0.89	0.48	1.35	1.76	2.12	1.82			0.99	0.83
2	0.26	-0.03	0.94	-0.10	0.91	1.78	1.81	1.26			1.05	0.59
3	-0.07	-0.21	0.65	0.09	1.24	1.66	1.45	1.23			1.60	0.46
4	0.16	0.27	0.70	0.39	1.38	1.39	1.13	0.82			1.34	0.59
5	-0.29	0.49	0.51	0.48	0.90	1.34	0.97	0.87			1.58	0.09
6	0.12	0.69	-0.39	1.05	1.20	0.41	0.63	0.77			1.77	0.59
7	0.28	0.89	-0.04	-0.31	1.11	1.19	1.07	1.08			1.65	0.47
8	0.64	0.85	0.34	0.35	0.65	1.37	1.09	2.08			1.61	0.26
9	1.52	1.21	0.54	1.33	0.17	0.82	1.36	1.75			1.39	-0.79
10	2.03	0.53	0.60	1.22	-0.34	1.17	1.52	1.80			0.42	-0.66
11	1.69	0.20	0.16	0.86	0.81	0.90	1.65	2.07			0.12	-0.58
12	1.67	-0.11	-0.14	0.40	0.61	1.15	1.54	2.12			0.25	0.15
13	1.11	0.08	-0.10	0.38	0.63	1.20	1.28	2.22			0.53	-0.11
14	1.20	-0.01	-0.07	0.14	0.46	1.30	1.25	2.16			1.04	-0.16
15	0.32	-0.07	0.28	0.32	1.02	1.20	1.21				1.37	0.37
16	0.11	-0.21	0.33	0.76	1.17	1.57	0.93				0.68	0.99
17	0.07	0.16	0.22	0.56	1.60	1.64	1.32				1.25	1.40
18	-0.13	0.38	0.26	0.80	1.68	1.59	1.24				1.14	1.57
19	0.32	0.73	0.24	0.71	1.80	1.38	1.04				1.53	1.56
20	0.94	1.08	0.36	1.11	1.38	1.27	0.08				0.89	0.75
21	1.61	1.09	0.64	1.11	1.48	1.09	1.07				0.60	0.09
22	1.27	0.30	1.31	1.15	1.10	1.07	0.92				0.66	0.20
23	0.31	-0.40	0.73	1.05	0.59	1.37	1.27				0.33	
24	0.39	-0.06	0.90	0.87	0.51	1.34	1.83				0.69	
25	0.67	-0.15	0.86	0.66	0.20	1.43	2.34				0.53	
26	0.92	-0.21	0.84	0.28	0.25	1.59	2.27				0.59	
27	0.84	0.07	0.78	0.16	-0.17	1.72	2.33				0.34	
28	1.31	0.14	0.90	0.04	0.50	1.97	2.23				0.32	
29	0.90	-----	0.79	0.38	1.08	2.12	2.18				1.06	
30	0.64	-----	-0.02	0.82	1.15	2.34	1.98				1.08	
31	0.11	-----	-0.03	-----	1.68	-----	1.98		-----		-----	

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.70	0.28	0.45	0.59	0.91	1.40	1.45	1.57			0.95	0.39
MAX	2.03	1.21	1.31	1.33	1.80	2.34	2.34	2.22			1.77	1.57
MIN	-0.29	-0.40	-0.39	-0.31	-0.34	0.41	0.08	0.77			0.12	-0.79
DAYS	31	28	31	30	31	30	31	14	0	0	30	22

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 278

THE MEAN STAGE FOR THE YEAR WAS 0.85.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 2.69 AT 3:00 P.M. ON JUL 31.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 0.99 ON DEC 14.

DAILY STAGE FOR 1989

BRETON SOUND NEAR GARDNER ISLAND, LA.

LOCATION. LAT. 29-42-23, LONG. 89-25-37. ON MISSISSIPPI RIVER-GULF OUTLET AT U. S. COAST GUARD LIGHT NUMBER 67 (MILE 23.2). (STA. 8585004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. LOCATION OF GAGE HAS BEEN CHANGED SEVERAL TIMES DURING PERIOD OF RECORD.

RECORDS AVAILABLE. STAGE, JAN. 25, 1957 TO JUNE 1, 1965, AUG. 26, 1966 TO DEC. 1983, AND NOV. 14, 1987 TO DATE.

EXTREMES. HIGHEST, 6.49 FEET (AFFECTED BY HURRICANE) ON SEP. 9, 1988 (PROBABLY HIGHER DURING HURRICANE OF AUG. 1969). LOWEST, MINUS 3.04 FEET ON FEB. 25, 1961.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1970 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.29		0.94	1.57		2.00	2.44					
2	1.97		0.81	0.15		2.09	2.26					
3	1.48		0.45	-0.05		2.02	1.96					
4	1.76		0.16	0.17		2.02	1.57					
5	1.03		-0.04	1.20		1.91	1.61					
6	1.14		-1.00	1.55		1.22	1.09					
7	1.41		-0.53	0.46		1.79	1.39					
8	1.60		-0.05	0.55		1.75	1.35					
9	2.61		0.21	1.80		1.48	1.49					
10	3.05		0.50	2.58		1.44	1.47					
11	2.67		0.14			1.11	1.62					
12	2.93	0.04	0.13			1.23	1.60					
13	2.65	0.20	0.29			1.23	1.42					
14		-0.09	0.24			1.55	1.63					
15		-0.29	0.44			1.40	1.78					
16		-0.69	0.51			2.03	1.50					
17		-0.33	0.05			2.12	2.14					
18		0.07	-0.04			2.02	1.89					
19		0.18	-0.02			1.89	1.73					
20		0.44	0.16			1.90	0.98					
21		0.55	0.42			1.66	1.60					
22		-0.15	1.30			1.58	1.33					
23		-0.94	0.70			1.88	1.24					
24		-0.44	0.84		0.90	1.76	1.73					
25		-0.34	0.86		0.63	1.62	2.59					
26		-0.26	1.02		0.65	1.74	2.56					
27		0.26	0.93		0.38	1.76	2.34					
28		0.25	1.08		0.95	2.07	2.25					
29		-----	1.19		1.32	2.17	2.62					
30		-----	0.50		1.20	2.44						
31		-----	0.44	-----	1.70	-----						

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	2.05	-0.09	0.41	1.00	0.97	1.76	1.76					
MAX	3.05	0.55	1.30	2.58	1.70	2.44	2.62					
MIN	1.03	-0.94	-1.00	-0.05	0.38	1.11	0.98					
DAYS	13	17	31	10	8	30	29	0	0	0	0	0

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 138

THE MEAN STAGE FOR THE YEAR WAS 1.16.

HIGHEST STAGE (FROM INCOMPLETE RECORD) WAS 4.34 AT 2:00 A.M. ON JAN 10.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS MINUS 1.26 ON FEB 24.

DAILY STAGE FOR 1989

WEST BAY NEAR BURRWOOD, LA.

LOCATION. LAT. 29-02-25, LONG. 89-20-16. ON CHEVRON OIL COMPANY DOCK, NORTHWEST OF MILE 9.1 OF
SOUTHWEST PASS OF THE MISSISSIPPI RIVER. (STA. 8835004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. SUBTRACT 0.79 FOOT FROM DAILY STAGES PRIOR TO 1975.

RECORDS AVAILABLE. NOV. 26, 1974 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 4.43 FEET ON APR. 14, 1983. LOWEST, MINUS 1.06 FEET
(FROM INCOMPLETE RECORDS) ON FEB. 12, 1986.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.50	1.68	1.80	1.60	2.09	2.55	3.20	3.04	2.19	1.80	0.78	0.71
2	1.13	1.54	2.10	1.61	1.99	2.80	3.55	2.45	1.99	1.60	0.85	0.71
3	1.17	1.30	2.04	1.72	2.28	2.99	3.30	2.27	1.83	1.30	1.10	0.81
4	0.90	0.89	1.80	1.94	2.58	2.99	2.99	2.22	2.09	1.30	1.32	1.14
5	0.72	1.10	1.82	2.00	3.30	3.08	2.95	1.97	2.24	1.51	1.45	1.17
6	0.84	1.04	1.55	2.16	2.80	2.80	2.30	1.86	2.38	1.65	1.74	1.58
7	0.93	1.23	1.57	2.63	2.55	2.60	2.25	2.14	2.40	1.85	1.85	1.59
8	0.92	1.37	1.70	2.69	2.55	2.75	2.13	1.90	2.33	2.06	2.49	1.55
9	0.90	1.52	1.83	2.65	2.57	2.05	2.15	2.20	2.48	2.20	1.90	1.16
10	1.34	1.65	2.16	2.21	2.27	2.18	2.26	2.35	2.71	2.69	1.70	0.67
11	1.37	1.87	2.10	1.94	1.80	2.12	2.30	2.35	2.69	2.53	1.20	0.47
12	1.80	1.80	2.12	2.00	1.67	2.19	2.49	2.56	2.71	2.45	0.90	0.60
13	1.69	1.75	2.18	1.95	2.01	2.30	2.75	2.83	2.70	1.92	0.55 F	0.26
14	1.87	1.49	2.13	1.86	1.80	2.40	2.92	2.96	2.51	1.95	0.70 F	0.26
15	1.83	1.35	2.05	1.99	1.99	3.05	2.94	3.15	2.13	1.50	0.80	0.55
16	1.30	0.97	1.93	2.00	2.08	2.45	2.95	2.85	1.78	1.20	0.85	0.82
17	1.33	0.92	1.77	2.06	2.27	2.55	3.07	2.58	1.16	1.04	0.85	1.14
18	0.95	1.27	1.80	2.15	2.37	2.64	3.26	2.15	1.23	1.15	0.79	1.43
19	0.87	1.25	1.79	2.21	2.65	3.15	3.05	1.77	1.42	1.51	1.30	1.60
20	1.00	1.67	1.85	2.35	2.49	2.75	2.70	1.73	1.52 F	0.84	1.27	1.32
21	1.23	1.96	2.03	2.50	2.95	2.75	2.52	1.84	1.90	1.19	1.40	1.28
22	1.35	1.82	2.07	2.64	2.65	2.45	2.22	2.22	2.09	1.33	1.60	0.92
23	1.30	1.50	2.45	2.60	2.67	2.27	2.04	2.42	2.14	1.47	1.24	0.73
24	1.35	1.51	2.23	2.52	2.50	2.26	2.02	2.47	2.39	1.56	1.09 F	0.26
25	1.55	1.59	2.30	2.42	2.35	2.20	2.10	2.80	2.67	1.52	1.02 F	0.26
26	1.75	1.74	2.40	2.30	2.15	2.35	2.47	2.92	2.76	1.48	1.18 F	0.25
27	1.73	2.25	2.22	2.27	1.80	2.56	2.72	3.10	2.45	1.20	1.09 F	0.25
28	1.86	2.04	2.15	2.22	1.75	2.78	2.80	2.64	2.14	1.35	0.64 F	0.25
29	1.74	-----	2.30	2.05	1.97	2.89	3.09	2.72	2.26	1.24	0.72	0.48
30	2.09	-----	2.10	1.95	2.05	3.12	3.18	2.51	2.26	1.05	0.60	0.73
31	1.64	-----	2.05	-----	2.30	-----	2.95	2.33	-----	0.96	-----	1.34

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	1.35	1.50	2.01	2.17	2.30	2.60	2.70	2.43	2.18	1.56	1.17	0.85
MAX	2.09	2.25	2.45	2.69	3.30	3.15	3.55	3.15	2.76	2.69	2.49	1.60
MIN	0.72	0.89	1.55	1.60	1.67	2.05	2.02	1.73	1.16	0.84	0.55	0.25
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS 1.90.

HIGHEST STAGE WAS 4.10 AT 11:00 A.M. ON JUL 4.

LOWEST STAGE (FROM INCOMPLETE RECORD) WAS 0.25 ON DEC 26 AND LATER DATE(S).

DAILY STAGE FOR 1989

GRAND ISLE EAST POINT, LA.

LOCATION. LAT. 29-15-48, LONG. 89-57-24. AT U.S. COAST GUARD BASE. (STA. 8840004.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. GAGE READ AND MAINTAINED BY NATIONAL OCEAN SERVICE. PRIOR TO 1980 GAGE WAS TITLED BAYOU RIGAUD AT GRAND ISLE, LA. GAGE ZERO OF PUBLISHED REPORTS PRIOR TO 1980 SHOULD BE CORRECTED TO MINUS 4.61 FEET M.G.V.D. FROM 1980 TO 1986 GAGE ZERO WAS MINUS 3.05 FEET M.G.V.D.

RECORDS AVAILABLE. AUG. 2, 1947 TO DATE. PUBLISHED BY CORPS OF ENGINEERS SINCE 1949.

EXTREMES. HIGHEST, 10.6 FEET (CAUSED BY HURRICANE) ON SEP. 9, 1965. LOWEST, 1.4 FEET ON FEB. 2, 1951 AND JAN. 13, 1964. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO, MINUS 5.60 FEET, NGVD (1983 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.82	5.77	5.86	5.55	6.22	6.91	7.28	7.58	6.63	6.11	5.46	5.12
2	5.47	5.64	6.18	5.59	6.03	7.03	7.37	6.88	6.42	6.08	5.40	5.08
3	5.32	5.26	5.94	5.76	5.39	7.04	7.16	6.52	6.23	5.76	5.51	4.89
4	5.00	4.92	5.79	6.03	6.79	7.17	6.93	6.40	6.47	5.81	5.63	5.30
5	4.96	5.31	6.03	6.00	6.89	7.27	6.72	6.15	6.61	6.05	5.91	5.39
6	4.98	5.29	4.85	6.18	6.78	6.95	6.33	6.01	6.64	6.30	6.16	5.81
7	5.13	5.41	5.01	6.37	6.62	6.74	6.31	6.17	6.73	6.27	6.30	5.85
8	5.16	5.41	5.27	6.42	6.42	6.90	6.26	6.27	6.67	6.47	6.78	5.70
9	5.32	5.49	5.43	6.67	6.42	6.48	6.18	6.37	6.72	6.87	6.24	4.69
10	5.75	5.72	5.88	6.35	6.24	6.47	6.49	6.43	6.98	7.07	5.98	4.71
11	5.78	5.92	5.76	5.94	6.06	6.37	6.50	6.55	7.05	6.91	5.61	4.73
12	6.14	5.80	5.78	5.94	5.85	6.49	6.53	6.80	7.28	6.96	5.35	4.70
13	5.98	5.93	5.94	5.95	6.22	6.55	6.60	7.14	7.31	6.66	5.21	4.25
14	6.16	5.68	5.89	5.79	6.29	6.79	6.60	7.23	7.07	6.45	5.47	4.54
15	5.80	5.44	5.99	5.99	6.22	7.05	6.71	7.09	6.68	6.13	5.51	4.99
16	5.22	5.07	5.77	5.97	6.32	6.75	6.62	6.95	6.17	5.86	5.03	4.92
17	5.23	5.06	5.75	6.11	6.71	6.76	6.74	6.82	5.88	5.78	5.34	5.35
18	5.06	5.37	5.74	6.22	6.78	6.80	6.76	6.53	5.94	5.75	5.32	5.67
19	4.99	5.26	5.71	6.27	7.33	6.99	6.67	6.16	6.01	5.51	5.85	5.80
20	5.13	5.83	5.81	6.33	6.78	6.88	6.55	6.11	6.02	5.38	5.64	5.46
21	5.18	6.13	6.04	6.36	6.90	6.80	6.50	6.21	6.34	5.70	5.80	5.34
22	5.33	5.49	6.02	6.55	6.73	6.74	6.28	6.45	6.47	5.94	6.04	4.91
23	5.36	5.06	6.09	6.56	6.69	6.77	6.15	6.51	6.43	6.02	5.38	4.16
24	5.50	5.17	6.09	6.42	6.49	6.67	6.28	6.53	6.68	6.07	5.44	4.08
25	5.58	5.18	6.37	6.37	6.46	6.56	6.42	6.86	7.03	5.90	5.43	4.09
26	5.81	5.47	6.44	6.21	6.46	6.68	6.67	7.02	7.07	5.88	5.57	4.06
27	5.71	6.02	6.37	6.14	5.95	6.90	6.91	7.10	6.81	5.62	5.47	4.36
28	5.96	6.04	6.28	6.20	5.76	7.18	6.92	7.01	6.56	5.84	5.19	4.27
29	5.89	-----	6.38	6.27	6.11	7.13	7.12	6.94	6.78	5.71	4.93	4.85
30	6.16	-----	6.17	6.17	6.29	7.36	7.17	6.87	6.54	5.58	4.83	5.17
31	5.69	-----	5.90	-----	6.61	-----	7.58	6.69	-----	5.35	-----	5.55

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	5.50	5.50	5.89	6.16	6.45	6.84	6.69	6.66	6.61	6.06	5.59	4.96
MAX	6.16	6.13	6.44	6.67	7.33	7.36	7.58	7.58	7.31	7.07	6.78	5.85
MIN	4.96	4.92	4.85	5.55	5.76	6.37	6.15	6.01	5.88	5.35	4.83	4.06
DAYS	31	28	31	30	31	30	31	31	30	31	30	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 365

THE MEAN STAGE FOR THE YEAR WAS 6.08.

HIGHEST STAGE WAS 7.58 AT 8:00 A.M. ON AUG 28 AND LATER DATE(S).

LOWEST STAGE WAS 3.76 ON DEC 24.

DAILY STAGE FOR 1989

ATCHAFALAYA BAY NEAR EUGENE ISLAND (LA.)

LOCATION. LAT. 29-27-03, LONG. 91-20-28. ON AMERADA HESS OIL CO. PLATFORM, APPROXIMATELY 5.5 MILES NORTHEAST OF EUGENE ISLAND. (STA. 8855010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 25, 1976 TO DATE.

EXTREMES. HIGHEST, (FROM INCOMPLETE RECORD) 6.70 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985.
LOWEST, MINUS 2.04 FEET ON DEC. 23, 1989.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1969 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.63	0.57	1.03	0.35	0.50	1.61	2.47	3.21	0.83			-0.07
2	0.66	0.45	1.14	0.57	0.49	1.37	2.13	1.58	0.66	0.50	0.11	-0.15
3	0.63	0.41	0.81	0.50	0.52	1.79	2.29	1.28	0.34	0.30	-0.14	-0.63
4	0.31	0.23	0.42	0.54	2.53	2.32	1.95	1.16	0.77	0.20	0.43	0.15
5	0.52	0.48	0.47	0.42	1.33	2.37	2.24	0.99	1.17	0.57	0.68	0.32
6	0.66	0.50	0.20	0.97	1.09	1.89	1.41	0.65	1.19	0.98	0.94	0.42
7	0.63	0.53	0.36	0.93	1.01	2.27	1.67	0.92	1.23	1.05	1.02	0.37
8	0.77	0.78	0.45	1.42	1.59	2.52	1.50	0.75	1.19	0.95		-0.61
9	0.65	0.26	0.45	1.54	1.91	1.16	1.35	1.15	1.23	0.82	-0.23	-1.17
10	0.91	0.90	0.71	0.95	1.33	1.40	1.66	1.00	1.59	1.25	-0.07	-0.75
11	0.90	1.29	0.93	0.21	0.93	1.55	1.53	0.94	1.43	1.01	-0.21	-0.61
12	1.15	1.25	1.08	0.70	0.77	1.66	1.42	1.08	1.48	1.22	-0.18	-0.85
13	0.89	1.30	1.26	0.83	1.48	1.58	1.34	1.24	1.48	0.47	-0.07	-0.86
14	1.51	0.31	0.93	0.49	0.68	2.09	1.08	1.55	1.29	0.13	0.32	-0.46
15	0.21	0.25	0.63	0.52	0.91	1.17	1.74	1.52	0.55	0.49	0.59	-0.19
16	-0.01	0.17	0.50	0.41	0.74	0.89	1.44	1.23	0.04	0.58	-0.39	-0.52
17	0.33	0.25	0.50	0.49	1.59	1.05	1.38	1.43	0.07	0.46		-0.08
18	0.22	0.25	0.53	0.62	1.50	1.48	1.59	0.93	0.17	0.20	0.48	0.48
19	0.44	0.42	0.51	0.64	2.12	1.59	1.44	0.66	0.58	-0.08	0.45	0.15
20	0.36	0.84	0.54	0.55	1.73	1.63	1.94	0.78	0.72	0.31	0.59	-0.56
21	0.11	0.82	0.57	0.54	1.50		1.22	0.97	1.12	0.59	0.34	-0.65
22	0.62	0.37	0.57	1.02	1.81	1.64	1.68	1.52	0.99	0.59	0.40	-1.46
23	0.67	0.05	0.65	1.34	1.78	1.74	1.74	1.44	0.90		-0.58	-2.01
24	0.83	0.22	0.78	1.27	1.87	1.90	1.53	1.56	0.79	0.34	-0.57	-1.73
25	0.84	0.35	0.91	1.45	2.14	1.49	1.33	1.36	1.18	0.37	-0.16	-1.43
26	0.93	0.49	1.26	1.20	2.06	2.03	1.78	1.45	0.98	0.14	-0.32	-1.29
27	0.90	1.29	1.37	1.39	1.00	2.60	1.50	1.44	0.60	-0.21	-0.22	-1.12
28	1.12	1.38	1.46	0.89	0.62	3.13	1.48	1.28	0.56	0.03	-0.14	-1.01
29	0.86	-----	1.74	0.52	0.98	2.12	1.54	1.29	0.45	0.06	-0.67	-0.59
30	1.08	-----	0.87	0.96	1.22	2.12	1.61	1.17		-0.01		-0.31
31	0.56	-----	0.39	-----	1.27	-----	1.92	1.26	-----	0.02	-----	0.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.67	0.59	0.77	0.81	1.32	1.80	1.64	1.25	0.88	0.46	0.09	-0.55
MAX	1.51	1.38	1.74	1.54	2.53	3.13	2.47	3.21	1.59	1.25	1.02	0.48
MIN	-0.01	0.05	0.20	0.21	0.49	0.89	1.08	0.65	0.04	-0.21	-0.67	-2.01
DAYS	31	28	31	30	31	29	31	31	29	29	26	31

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 357
THE MEAN STAGE FOR THE YEAR WAS 0.82.
HIGHEST STAGE WAS 3.80 AT 6:00 A.M. ON JUN 8.
LOWEST STAGE WAS MINUS 2.04 ON DEC 23.

DAILY STAGE FOR 1989

ATCHAFALAYA BAY AT EUGENE ISLAND (LA.)

LOCATION. LAT. 29-22-45, LONG. 91-22-54. ON TOWER B-17 IN SOUTHERN ATCHAFALAYA BAY. (STA. 8860010.)

GAGE. AUTOMATIC RECORDER AND STAFF.

GENERAL INFORMATION. PRIOR TO 1973 GAGE WAS MAINTAINED BY NATIONAL OCEAN SURVEY WITH GAGE ZERO AT MINUS 2.99 FEET, NGVD. GAGE REESTABLISHED IN APR. 1973 BY CORPS OF ENGINEERS WITH GAGE ZERO AT M.L.G.

RECORDS AVAILABLE. STAGE, MAY 26, 1939 TO MAY 3, 1972 AND APR. 12, 1973 TO DATE. ADD 0.3 TO DAILY STAGES PRIOR TO 1944, AND SUBTRACT 0.7 FROM DAILY STAGES FROM 1944 TO 1958.

EXTREMES. HIGHEST, 6.81 FEET (AFFECTED BY HURRICANE) ON JUNE 27, 1957. LOWEST, (FROM INCOMPLETE RECORD) MINUS 3.86 FEET ON FEB. 22, 1976. EXTREMES HAVE BEEN ADJUSTED TO CURRENT GAGE ZERO.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD (1969 ADJ.)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-1.29	-1.04	-0.45	-1.15	-0.55	0.25		1.50	-0.65	-1.11	-1.90 F	-1.94
2	-1.50	-1.39	-0.50	-0.80	-0.63	0.00		0.07	-0.82	-1.14	-1.95 F	-1.94
3	-1.73	-1.92	-0.70	-1.12	-0.73	0.50		-0.27	-1.13	-1.40	-1.77 F	-1.94
4	-2.18	-2.03	-0.97	-1.14	-1.10	1.00		-0.47	-0.62	-1.54	-1.22	-1.36
5	-2.10	-1.90	-1.83	-1.02	-0.05	1.00		-0.75	-0.24	-1.00	-0.85	-1.25
6	-1.94	-1.90	-1.94	-0.25	-0.05	0.50		-0.92	-0.15	-0.55	-0.60	-0.69
7	-1.85	-1.90	-1.81	-0.25	-0.12	0.84		-0.65	-0.13	-0.60	-0.35	-0.68
8	-1.73	-1.50	-1.65	0.27	0.42	0.90		-0.95	-0.15	-0.65	-0.29 F	-1.87
9	-1.74	-1.40	-1.40	0.50	0.45	-0.15		-0.25	-0.10	-0.46	-1.05	-1.85
10	-0.63	-0.72	-0.52	-0.10	0.05	0.10		-0.53	0.25	0.06	-1.30 F	-1.87
11	-0.73	-0.05	-0.20	-0.82	-0.05	0.15		-0.49	0.13	-0.06	-1.90 F	-1.85
12	-0.37	-0.20	-0.02	-0.55	-0.25	0.20		-0.33	0.20	-0.10 F	-1.95 F	-1.89
13	-0.88	-0.07	0.07	-0.43	0.16	0.14		0.04	0.27	-0.93 F	-1.95 F	-1.89
14	0.13	-0.83	-0.25	-0.65	-0.86	0.55		0.22	-0.05	-1.33	-1.94 F	-1.89
15	-1.00	-1.26	-0.90	-0.70	-0.33	-0.20		0.19	-0.85	-0.94	-1.75 F	-1.85
16	-2.06	-1.95	-1.07	-0.91	-0.60	-0.53		-0.07	-1.49	-1.05 F	-1.85 F	-1.86
17	-2.02	-1.97	-1.03	-0.85	0.30	-0.30		0.10	-1.55	-1.28	-1.55	-1.65
18	-2.00	-1.89	-1.11	-0.63	0.34	0.15		-0.46	-1.40	-1.55	-1.25	-0.86
19	-1.94	-1.90	-1.26	-0.63	0.85	0.24		-0.87	-0.95	-1.85	-0.98	-1.23
20	-1.93	-1.20	-0.90	-0.69	0.30	0.33		-0.70	-0.70	-1.20	-0.84	-1.50
21	-1.99	-1.20	-0.93	-0.79	0.10	0.35	-0.20	-0.50	-0.30	-0.75	-1.01 F	-1.87
22	-1.76	-1.76	-1.01	-0.10	0.42		0.30	0.14	-0.40	-0.73	-0.81	
23	-1.62	-1.85	-0.80	0.26	0.52		0.30	0.00	-0.45	-0.56	-1.81	
24	-1.00	-1.56	-0.50	0.17	0.50		0.20	0.10	-0.37	-0.95	-1.94 F	-1.87
25	-1.18	-1.21	-0.29	0.37	0.80		0.00	-0.05	-0.05	-1.30	-1.81 F	-1.85
26	-0.82	-0.84	0.53	0.08	0.60		-0.79	0.07	-0.27	-1.26	-1.90 F	-1.90
27	-0.79	-0.20	0.31	0.10	-0.41		-0.45	0.05	-0.65	-1.67	-1.85 F	-1.85
28	-0.26	-0.17	0.18	-0.35	-0.80		-0.05	-0.19	-0.65	-1.46 F	-1.94 F	-1.90
29	-0.63	-----	0.50	-0.65	-0.40		0.14	0.00	-0.84	-1.37 F	-1.94 F	-1.95
30	-0.45	-----	-0.48	-0.25	-0.15		0.30	-0.19	-1.04	-1.62 F	-1.94 F	-1.95
31	-0.80	-----	-1.77	-----	-0.05	-----	0.95	-0.30	----- F	-1.95	-----	-1.75

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	-1.32	-1.28	-0.73	-0.44	0.03	0.29	0.06	-0.21	-0.51	-1.04	-1.47	-1.68
MAX	0.13	-0.05	0.53	0.50	1.10	1.00	0.95	1.50	0.27	0.06	-0.29	-0.68
MIN	-2.18	-2.03	-1.94	-1.15	-0.86	-0.53	-0.79	-0.95	-1.55	-1.95	-1.95	-1.95
DAYS	31	28	31	30	31	21	11	31	30	31	30	29

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 334

F=NOT AT STATED TIME

THE MEAN STAGE FOR THE YEAR WAS MINUS 0.75.

HIGHEST STAGE WAS 2.62 AT 5:30 A.M. ON JUN 8.

LOWEST STAGE WAS MINUS 2.18 ON JAN 4.

DAILY STAGE FOR 1989

EAST COTE BLANCHE BAY AT LUKES LANDING, LA.

LOCATION. LAT. 29-35-48, LONG. 91-32-35. ON DOCK, 2.8 MILES NORTH OF ENTRANCE TO BAYOU SALE AND 2.1 MILES SOUTH OF SOUTH BEND, LA. (STA. 8880013.)

GAGE. AUTOMATIC RECORDER AND STAFF.

RECORDS AVAILABLE. FEB. 22, 1957 TO DATE.

EXTREMES. HIGHEST, ESTIMATED 9.50 FEET (CAUSED BY HURRICANE) ON AUG. 15, 1985. LOWEST, MINUS 3.66 FEET ON APR. 9, 1957.

DAILY EIGHT A.M. STAGE IN FEET

GAGE ZERO IS AT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.67	1.37	2.02	1.39	1.45	2.91	3.62	4.90	2.12	1.59	0.75	0.46
2	0.56	0.86	1.38	1.82	1.65	2.59	3.32	2.91	1.90	1.53	0.80	0.68
3	0.37	0.36	1.73	1.42	1.73	3.17	3.29	2.48	1.55	1.26	0.56	-0.47
4	0.25	-0.76	1.49	1.52	3.95	3.58	2.52	2.39	2.16	1.04	1.37	1.29
5	-0.34	0.06	0.81	0.84	2.54	3.63	3.05	1.98	2.60	1.74	1.88	1.37
6	-0.11	-0.15	-0.65	2.30	2.28	2.99	2.27	1.65	2.63	2.23	2.03	1.71
7	-0.14	-0.04	0.30	2.11	2.25	3.28	2.60	1.79	2.57	2.21	2.40	1.68
8	-0.18	0.65	0.83	2.76	2.95	4.02	2.50	1.53	2.54	1.79	2.29	-0.54
9	-0.44	0.69	0.80	2.75	3.08	2.21	2.38	2.26	2.57	2.11	1.14	-0.96
10	0.63	1.48	1.86	1.65	2.23	2.69	2.75	2.11	2.85	2.58	1.01	-0.35
11	0.80	2.31	2.25	1.23	2.01	2.99	2.55	2.06	2.73	2.43	0.47	-0.03
12	1.40	2.09	2.38	2.01	1.87	3.03	2.39	2.30	2.75	2.40	0.39	-1.02
13	0.28	2.20	2.57	2.01	2.59	2.87	2.26	2.47	2.80	1.80	0.60	-0.43
14	2.68	1.55	2.31	1.70	1.56	3.53	1.76	2.70	2.61	1.27	0.81	0.45
15	0.84	1.11	1.84	1.73	2.03	1.86	2.75	2.64	1.48	1.70	1.23	0.88
16	-0.60	0.44	1.34	1.47	1.94	1.70	2.28	2.48	0.78	1.86	-0.84	-0.13
17	0.37	-0.13	1.47	1.57	2.90	2.23	2.32	2.68	1.02	1.51	0.94	1.02
18	-0.21	0.03	1.22	1.78	2.89	2.68	2.64	2.10	1.27	0.47	1.63	1.69
19	-0.22	0.16	1.07	1.84	3.34	2.71	2.26	1.87	1.87	0.17	1.66	1.13
20	-0.50	1.14	1.41	1.36	3.02	2.61	3.13	1.96	2.04	1.24	1.77	0.59
21	-1.07	0.98	1.65	1.55	2.74	2.89	2.22	2.15	2.45	1.87	1.57	0.38
22	-0.14	-0.16	0.89	2.35	3.09	2.86	2.71	2.62	2.23	1.91	1.59	
23	-0.04	-0.57	1.37	2.75	3.04	3.01	2.86	2.69	2.19	2.19	-0.62	
24	0.90	0.61	1.91	2.70	3.08	3.00	2.42	2.77	1.55	1.71	0.29	
25	0.60	1.26	2.25	2.86	3.48	2.84	2.30	2.58	2.40	1.27	0.92	-0.46
26	0.89	1.64	2.06	2.52	3.34	3.25	2.86	2.70	2.15	1.36	0.63	-0.46
27	0.78	2.24	2.85	2.64	2.15	4.01	2.57	2.64	1.71	0.90	0.73	-0.19
28	1.75	1.82	3.01	2.34	1.52	5.32	2.56	2.38	1.75	1.05	0.82	-0.33
29	1.29	-----	3.14	1.78	2.09	3.60	2.73	2.57	1.45	1.10	-0.89	0.30
30	1.66	-----	2.15	2.13	2.50	3.30	2.70	2.40	1.32	0.97	-0.10	0.61
31	1.19	-----	0.18	-----	2.42	-----	3.07	2.40	-----	0.50	-----	1.19

THE FOLLOWING REFER ONLY TO READINGS IN THE TABLE ABOVE

MEAN	0.45	0.83	1.61	1.96	2.51	3.04	2.63	2.42	2.07	1.54	0.93	0.36
MAX	2.68	2.31	3.14	2.86	3.95	5.32	3.62	4.90	2.85	2.58	2.40	1.71
MIN	-1.07	-0.76	-0.65	0.84	1.45	1.70	1.76	1.53	0.78	0.17	-0.89	-1.02
DAYS	31	28	31	30	31	30	31	31	30	31	30	28

THE TOTAL NUMBER OF DAYS FOR THE YEAR WAS 362
 THE MEAN STAGE FOR THE YEAR WAS 1.71.
 HIGHEST STAGE WAS 5.60 AT 6:00 A.M. ON AUG 1.
 LOWEST STAGE WAS MINUS 1.30 ON JAN 20.

PART II
OBSERVED DISCHARGES
OF THE
MISSISSIPPI RIVER AND TRIBUTARIES
AND
OTHER WATERSHEDS

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 03	34.16	107	2003	1306	5.21	7.17		680
JAN 09	38.50	112	2040	1389	5.85	7.81		813
JAN 17	41.15	117	2065	1463	5.63	8.19		823
JAN 23	45.60	121	2240	1554	6.63	8.84		1030
JAN 31	44.25	120	2223	1540	6.44	8.98		991
FEB 07	37.70	114	2031	1406	4.83	6.30		679
FEB 14	40.10	116	2053	1440	5.73	8.17		825
FEB 21	45.20	121	2235	1550	6.90	9.40		1069
FEB 28	50.28	127	2335	1662	7.71	9.84		1281
MAR 07	53.70	130	2635	1768	7.64	9.67		1350
MAR 14	53.60	132	2635	1760	7.17	10.67		1261
MAR 21	52.70	130	2630	1740	7.47	10.31		1300
MAR 28	49.80	125	2345	1654	6.47	9.42		1071
APR 03	48.40	125	2335	1639	6.08	8.66		997
APR 11	50.15	127	2345	1676	6.78	8.55		1136
APR 18	50.90	128	2355	1675	6.50	8.69		1088
APR 25	49.30	125	2350	1673	5.98	8.62		1000
MAY 01	40.70	115	2051	1505	4.52	5.90		680
MAY 15	40.30	114	2052	1499	5.02	6.55		753
MAY 23	44.55	118	2230	1572	4.96	7.19		780
MAY 31	44.05	118	2224	1576	5.02	6.94		792
JUN 06	42.70	117	2173	1503	4.92	6.59		740
JUN 13	43.00	117	2181	1498	4.93	6.90		738
JUN 20	43.85	121	2224	1505	5.40	7.12		813
JUN 27	46.40	120	2330	1589	5.61	7.88		891
JUL 03	49.65	123	2352	1661	5.85	8.08		972
JUL 11	49.30	125	2350	1665	5.72	7.98		952
JUL 18	45.75	119	2346	1528	4.99	7.11		762
JUL 25	40.30	113	2052	1401	4.16	5.27		582
AUG 01	32.83	107	1986	1264	3.64	4.93		460
AUG 08	27.98	100	1947	1135	3.36	4.58		382
AUG 09	27.86	99	1947	1125	3.32	4.33		374
AUG 15	24.87	95	1917	1087	3.02	3.76		329
AUG 22	20.58	90	1855	1007	2.65	3.33		267
AUG 29	21.05	90	1854	1007	2.58	3.42		260
SEP 12	25.75	95	1933	1092	3.75	4.85		409
SEP 19	26.90	97	1940	1136	4.15	5.50		471
SEP 26	32.50	104	1990	1232	4.61	6.06		567
OCT 13	29.30	103	1978	1238	3.94	5.28		487
NOV 09	23.40	97	1904	1121	3.21	4.07		360
NOV 22	23.25	96	1905	1125	3.30	4.34		371
DEC 08	26.70	101	1944	1219	3.74	4.71		456
DEC 18	20.80	96	1850	1115	2.88	3.54		322

DISCHARGE RANGE. UPSTREAM FROM OLD RIVER OUTFLOW CHANNEL AT MILE 317.2.
(STA. 0102011.)

GAGE. MISSISSIPPI RIVER NEAR KNOX LANDING. STAFF TYPE AT MILE 313.7.
ZERO, NGVD

MISSISSIPPI RIVER AT TARBERT LANDING, MISS.

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	100 SQ FT	VELOCITIES MEAN	VELOCITIES MAXIMUM	DISCHARGE 1000 CFS	DISCHARGE 1000 CFS
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 03	31.43	48	3497	1175	4.40	5.76		517
JAN 05	34.76	52	3528	1355	4.30	5.67		583
JAN 09	36.40	56	3544	1410	4.44	6.26		625
JAN 12	35.20	53	3525	1371	4.08	5.81		559
JAN 17	39.06	59	3816	1571	4.35	6.60		683
JAN 19	40.91	61	3830	1589	3.83	5.33		609

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL			OVERBANK		TOTAL
			WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 23	43.50	59	3853	1709	4.67	7.21		798
JAN 25	43.88	60	3859	1706	4.83	7.34		824
FEB 01	41.30	56	3836	1568	4.44	6.41		696
FEB 02	40.40	54	3821	1538	4.22	6.28		650
FEB 09	36.00	51	3540	1372	4.29	7.03		588
FEB 10	36.33	52	3542	1364	4.25	6.61		580
FEB 13	37.80	52	3569	1443	4.32	6.26		624
FEB 16	37.60	52	3563	1472	4.16	6.17		612
FEB 17	37.63	55	3563	1461	4.14	5.99		606
FEB 22	44.26	58	3861	1668	5.02	7.90		837
FEB 23	45.13	60	3872	1718	5.15	7.90		885
FEB 27	47.80	64	3885	1798	5.41	8.16		972
MAR 02	49.40	66	3960	1928	5.25	8.03		1012
MAR 06	51.20	63	4010	1926	5.64	8.69		1086
MAR 08	51.70	68	4039	2021	5.57	7.98		1126
MAR 13	51.90	64	4546	2055	5.08	8.36		1045
MAR 16	51.13	67	4018	2118	5.26	7.79		1114
MAR 20	50.70	65	3999	2003	5.02	7.21		1006
MAR 23	50.20	61	3993	1926	4.91	7.01		944
MAR 27	48.06	59	3928	1827	4.80	6.96		878
MAR 30	46.70	56	3875	1715	4.72	6.90		809
APR 03	46.00	57	3876	1696	4.79	7.08		812
APR 06	46.85	60	3883	1734	4.85	6.52		842
APR 10	47.63	61	3890	1740	5.12	7.88		891
APR 13	48.14	61	3920	1763	5.09	7.45		897
APR 17	48.80	61	3956	1771	5.05	8.07		894
APR 20	48.66	62	3955	1764	5.19	8.08		916
APR 24	47.77	61	3909	1771	4.73	6.63		837
APR 27	45.30	60	3869	1681	4.46	6.22		749
MAY 01	38.67	52	3797	1409	4.21	5.13		593
MAY 04	33.53	46	3500	1169	3.75	4.51		439
MAY 08	33.03	46	3503	1182	4.02	5.08		475
MAY 12	36.72	48	3543	1298	4.30	5.41		558
MAY 15	38.18	55	3552	1390	4.30	5.55		599
MAY 18	38.86	51	3552	1406	4.35	6.30		612
MAY 22	42.10	54	3844	1491	4.50	6.24		671
MAY 25	42.86	56	3848	1541	4.43	6.64		682
MAY 30	42.26	52	3846	1531	4.18	5.94		639
JUN 01	41.50	53	3828	1510	4.03	5.48		608
JUN 05	40.17	53	3820	1491	3.95	5.68		589
JUN 07	40.35	52	3822	1514	4.00	5.12		605
JUN 12	40.85	53	3552	1452	4.16	5.47		604
JUN 15	40.15	51	3819	1475	4.54	6.04		670
JUN 19	40.90	54	3823	1564	4.32	5.65		675
JUN 22	42.40	53	3840	1617	4.14	5.75		670
JUN 26	44.08	54	3865	1662	4.21	5.27		700
JUN 29	45.80	58	3881	1703	4.57	6.44		777
JUL 05	47.45	57	3901	1742	4.75	6.79		827
JUL 07	47.55	61	3901	1700	4.85	7.36		825
JUL 10	47.04	56	3895	1676	4.78	7.11		802
JUL 13	46.35	55	3888	1640	4.70	6.94		772
JUL 17	44.25	54	3863	1621	4.16	5.44		674
JUL 20	41.92	52	3842	1526	4.10	5.24		626
JUL 24	38.90	50	3855	1422	3.86	4.88		550
JUL 27	35.72	50	3547	1282	3.96	5.35		508
JUL 31	31.27	41	3500	1203	3.73	5.02		448
AUG 03	28.70	39	3475	1107	3.63	4.76		402
AUG 07	26.07	37	3466	1000	3.49	4.20		349
AUG 10	25.10	37	3464	973	3.62	4.16		352
AUG 14	23.02	36	3450	894	3.27	3.75		293
AUG 17	21.72	34	3446	831	3.49	4.06		290
AUG 21	19.14	31	3435	729	3.32	3.89		242
AUG 24	18.24	31	3432	710	3.17	3.86		225
AUG 28	18.65	29	3435	690	3.24	3.64		223
AUG 31	19.53	32	3448	749	3.37	3.67		253
SEP 05	22.30	34	3448	814	3.62	4.27		294
SEP 07	22.80	34	3459	838	3.40	3.94		285

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

M A I N C H A N N E L						OVERBANK	TOTAL
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN MAXIMUM	DISCHARGE	DISCHARGE
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
SEP 11	23.00			784	4.02	5.92	287
SEP 14	23.50			708	4.62	5.56	328
SEP 18	23.50	36	3474	846	3.82	4.29	323
SEP 21	26.60			706	5.15	5.59	371
SEP 28	29.20			996	4.44	5.04	442
OCT 02	27.50			939	4.10	5.05	385
OCT 05	27.60	42	3490	1027	3.73	4.46	383
OCT 10	26.15			946	4.23	5.31	399
OCT 12	26.40			1043	4.07	5.02	428
OCT 16	26.35	40	3490	977	3.57	4.22	348
OCT 18	25.10	38	3466	914	3.52	3.86	322
OCT 26	19.88	32	3445	760	3.38	3.86	257
OCT 30	24.61	37	3471	920	3.59	4.13	330
NOV 01	26.30			1042	3.22	4.01	339
NOV 03	26.00			993	3.53	4.33	353
NOV 06	23.20			870	3.63	4.37	319
NOV 08	21.55			867	2.92	3.62	257
NOV 13	20.40	35	3453	779	3.32	3.86	259
NOV 16	19.90			801	2.70	3.08	218
NOV 16	19.90	32	3447	736	3.18	4.11	234
NOV 20	20.55			823	2.95	3.51	245
NOV 27	26.10	41	3482	1003	3.65	4.38	366
NOV 30	27.60			1084	3.71	4.47	404
DEC 04	25.10			997	3.24	3.88	326
DEC 07	23.30			970	2.94	3.78	290
DEC 11	21.67	36	3452	838	3.35	3.84	280
DEC 14	20.10			820	2.79	3.29	241
DEC 18	18.72	35	3444	752	3.11	3.46	234
DEC 21	18.30	34	3447	740	3.10	3.53	229
DEC 26	16.40	32	3426	650	2.90	3.28	189
DEC 28	15.80			669	2.61	3.20	177

DISCHARGE RANGE. UPSTREAM FROM LOWER OLD RIVER AT MILE 306.3.
(STA. 0110011.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD

MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (NORTH)

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 26	43.95	52	5752	1766	3.51	4.22		620
MAR 01	48.80	49	5906	1937	3.82	5.09		740
MAR 29	46.80	41	5890	1675	3.54	4.37		593
APR 26	46.38	39	5883	1634	3.45	3.96		563
MAY 03	35.30	29	5867	989	3.28	3.67		324
MAY 24	42.65	38	5873	1413	3.54	4.22		500
JUN 21	41.90	35	5870	1313	3.46	5.05		454
JUL 19	42.50	33	6329	1333	3.37	4.31		449
AUG 02	29.67	24	4630	629	4.40	5.52		276
SEP 27	30.04	38	4462	750	3.45	4.06		259
OCT 19	24.08	28	3855	530	3.46	4.34		183
NOV 29	27.50	42	4259	685	3.17	3.80		217

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.
(STA. 0112112B.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

MISSISSIPPI RIVER AT SMITHLAND CROSSING (LA.) (SOUTH)

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
			FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989	FT	FT	FT					
JAN 26	43.95	52	2559	719	3.19	3.69		229
MAR 01	48.80	62	2500	877	2.69	3.23		236
MAR 29	46.80	62	2483	784	2.89	3.76		227
APR 26	46.38	58	2454	754	2.90	3.42		219
MAY 03	35.30	43	2329	471	3.32	4.04		156
MAY 24	42.65	51	2378	668	3.13	3.96		209
JUN 21	41.90	48	2369	597	2.99	3.57		179
JUL 19	42.50	49	1966	570	3.12	3.51		178
AUG 02	29.67	37	1506	350	4.51	4.94		158
SEP 27	30.04	35	1312	370	4.33	4.92		160
OCT 19	24.08	32	1296	303	4.58	5.25		139
NOV 29	27.50	35	1115	304	4.32	5.21		131

DISCHARGE RANGE. 4 MILES DOWNSTREAM FROM LOWER OLD RIVER AT MILE 298.5.
(STA. 01123128.)

GAGE. RED RIVER LANDING, LA. STAFF TYPE AT MILE 302.4. ZERO, NGVD.

PROFIT ISLAND CHUTE (LA.)

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
APR 13	32.30	97	1066	621	5.54	6.10		344
JUL 18	29.10	88	1063	558	5.07	6.40		283
AUG 29	7.40	65	978	327	2.00	2.50		65.4

DISCHARGE RANGE. UPSTREAM FROM BATON ROUGE AT MILE 248.
(STA. 0115009.)

GAGE. BATON ROUGE, LA. STAFF TYPE AT MILE 228.4. ZERO, NGVD

MISSISSIPPI RIVER AT BELLE CHASSE, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 19			2350	1790	4.01			718
FEB 17			2280	1760	3.62			636
APR 14			2290	1810	4.88			883
MAY 17			2270	1660	3.10			516
JUN 28			2320	1790	4.05			724
JUL 13			2328	1740	4.38			762
AUG 10			2290	1660	2.13			353
SEP 06			2280	1610	1.84			296
OCT 02			2310	1630	2.52			410
NOV 27			2295	1650	1.59			262
DEC 19			2206	1590	1.58			253

MEASUREMENTS MADE BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. AT FERRY CROSSING AT MILE 76.0. (STA. C138804.)

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		OVERBANK		TOTAL DISCHARGE
			WIDTH	AREA	VELOCITIES MEAN	MAXIMUM	
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
MAR 14	3.50	81	2798	1770	5.89	7.10	1042
MAR 28	3.45	82	2798	1787	4.15	4.80	742

DISCHARGE RANGE. MILE 12.4, ABOUT ONE MILE UPSTREAM FROM BAPTISTE COLLETTE BAYOU. (STA. 0145604.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

BAPTISTE COLLETTE BAYOU NEAR VENICE, LA. (ABOVE EMELINE PASS)

1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 14	3.50	56	509	17340	4.33	5.70		75030
MAR 28	3.45	54	509	17201	3.82	4.60		65697

DISCHARGE RANGE. ONE MILE DOWNSTREAM FROM HEAD OF BAYOU (MILE 11.4, MISSISSIPPI RIVER). (STA. 0146004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

THE JUMP AT VENICE, LA.

1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
MAR 14	3.60	30	768	17788	4.21	4.60		74905
MAR 28	3.30	28	768	17001	4.10	4.50		69773

DISCHARGE RANGE. 0.6 MILE DOWNSTREAM FROM HEAD OF GRAND PASS (THE JUMP) MILE 10.5, MISSISSIPPI RIVER. (STA. 0150004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILE DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

MAIN PASS NEAR PILOT TOWN, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 14	3.60	20	1680	209	3.88	4.60		81.1
MAR 28	2.65	20	1581	222	3.15	3.40		69.8

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER). (STA. 0151004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

OCTAVE PASS NEAR PILOT TOWN, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 14	3.60	15	420	39.7	3.74	4.10		14.8

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		OVERBANK		TOTAL
			WIDTH	AREA 100 SQ FT	VELOCITIES MEAN	MAXIMUM	DISCHARGE 1000 CFS
1989	FT	FT	FT		FPS	FPS	1000 CFS
MAR 28	3.45	13	420	31.7	2.65	3.20	8.4

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).
(STA. 0152004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

MISSISSIPPI RIVER AT MILE 2.0 - PILOT TOWN

	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
1989								
MAR 14	3.60	48	4872	139711	3.31	4.80		462182
MAR 28	3.10	56	4413	166383	3.32	4.20		552629

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD. (STA. 0152404.)

BRANT PASS NEAR PILOT TOWN, LA.

	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989								
MAR 14	3.60	23	558	87.2	4.44	5.00		38.7
MAR 28	3.45	21	535	72.0	3.77	4.10		27.1

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).
(STA. 0153004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

RAPHAEL PASS NEAR PILOT TOWN, LA.

	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989								
MAR 14	3.60	12	240	18.8	3.59	4.20		6.7
MAR 28	3.45	9	295	16.9	2.60	3.00		4.4

DISCHARGE RANGE. AT HEAD OF PASS (OPPOSITE MILE THREE, MISSISSIPPI RIVER).
(STA. 0154004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

SOUTHWEST PASS NEAR HEAD OF PASSES (LA.)

	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989								
MAR 28	2.60	55	2103	673	2.91	4.00		196

DISCHARGE RANGE. 3.2 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155004.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L			OVERBANK DISCHARGE	TOTAL DISCHARGE
			WIDTH	AREA	VELOCITIES MEAN MAXIMUM		
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS
MAR 28	3.45	30	3753	478	2.83	3.80	135

DISCHARGE RANGE. 1.0 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155204.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

SOUTH PASS NEAR HEAD OF PASSES (LA.)

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
MAR 28	2.65	62	1296	482	3.06	4.30		147

DISCHARGE RANGE. 3.8 MILES DOWNSTREAM FROM HEAD OF PASSES. (STA. 0155304.)

GAGE. MISSISSIPPI RIVER AT HEAD OF PASSES. AUTOMATIC TYPE, 0.6 MILES
DOWNSTREAM FROM HEAD OF PASSES. ZERO, NGVD

OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 10	25.50	37	869	221	7.99	9.16		177
JAN 30	33.20	46	966	296	2.77	3.31		82.1
FEB 13	24.80	38	905	223	2.11	2.60		47.1
FEB 27	37.20	50	1063	344	2.71	3.58		93.3
MAR 13	40.30	55	1046	382	2.52	3.14		96.2
MAR 27	36.90	48	1012	331	2.80	3.44		92.4
APR 10	34.10	46	980	308	2.40	3.04		73.8
APR 24	36.50	49	1017	333	2.89	3.54		96.3
MAY 09	21.85	34	801	197	4.73	5.76		93.4
MAY 22	29.00	41	972	263	2.03	2.56		53.6
JUN 05	25.70	38	862	234	1.62	2.04		37.9
JUN 19	27.10	40	888	243	1.73	2.15		42.0
JUL 05	34.40	47	980	312	2.06	2.66		64.2
JUL 17	28.85	41	918	262	1.08	1.55		28.3
JUL 31	18.05	30	764	174	0.65	0.82		11.3
AUG 14	13.28	25	685	134	1.03	1.38		13.9
AUG 28	11.10	23	650	121	1.71	2.09		20.6
SEP 11	16.15	27	733	151	2.47	3.02		37.3
SEP 25	20.00	30	785	166	4.87	8.80		81.0
OCT 12	18.00	28	758	154	6.78	8.55		104
OCT 31	18.50	28	754	156	8.33	10.02		130
NOV 27	17.80	30	760	169	3.79	4.42		63.9
DEC 07	16.20	29	744	159	3.01	3.73		47.8
DEC 14	14.00	27	701	145	2.99	3.73		43.4

DISCHARGE IS REGULATED BY OLD RIVER AUXILIARY CONTROL STRUCTURE.
(STA. 0250011.)

GAGE. AUTOMATIC TYPE AT AUXILIARY CONTROL STRUCTURE. ZERO, NGVD

OLD RIVER OUTFLOW CHANNEL NEAR KNOX LANDING, LA.

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
1989								
JAN 04	23.60	33	1780	456	3.19	3.80		146
JAN 18	28.40	39	1819	553	2.90	3.40		160
JAN 24	33.10	45	1830	635	3.93	4.92		250
FEB 06	23.75	35	1796	480	1.97	2.31		94.6
FEB 20	28.20	39	1818	552	2.99	3.51		165
MAR 06	38.17	49	1852	732	4.09	4.94		299
MAR 20	39.10	49	1848	728	4.02	4.50		292
APR 04	33.20	46	1824	663	2.44	3.00		161
APR 17	36.10	47	1826	692	3.77	4.14		261
MAY 02	23.20	36	1780	474	3.09	3.67		146
MAY 16	25.60	36	1807	495	2.72	3.02		135
MAY 30	29.00	41	1825	578	1.87	2.22		108
JUN 12	26.75	39	1819	537	1.73	2.18		93.0
JUN 26	30.80	41	1830	582	2.75	3.11		160
JUL 10	32.60	44	1827	633	1.77	2.13		112
JUL 24	23.95	34	1790	480	1.08	1.30		51.7
AUG 05	17.07	26	1727	282	1.79	2.52		50.5
AUG 07	16.02	26	1725	337	1.57	1.97		52.9
AUG 21	10.45	20	1693	223	1.86	2.93		41.4
SEP 05	15.15	22	1715	250	3.84	4.89		95.9
SEP 18	15.50	24	1717	272	3.96	4.56		108
OCT 02	17.75	28	1721	320	4.25	4.92		136
OCT 18	15.80	26	1718	286	3.86	4.78		111
NOV 17	13.30	23	1708	224	3.91	4.81		87.8
DEC 13	13.90	26	1742	241	4.04	5.14		97.3
DEC 20	12.90	26	1755	235	3.85	4.73		90.6

DISCHARGE RANGE. 5.5 MILES DOWNSTREAM FROM OLD RIVER CONTROL STRUCTURE.
(STA. 0260011.)

GAGE. AUTOMATIC TYPE AT CONTROL STRUCTURE. ZERO, NGVD

ATCHAFALAYA RIVER AT SIMMESPORT, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 04	18.60	41	1898	604	3.81	4.72		231
JAN 06	20.20	45	1898	648	3.99	4.93		259
JAN 10	20.54	45	1903	652	4.22	5.50		275
JAN 13	20.33	43	1903	647	4.03	5.17		261
JAN 18	23.96	50	1915	713	4.23	5.23		301
JAN 20	25.53	51	1927	766	4.24	5.31		325
JAN 24	28.33	56	1942	817	4.77	6.02		389
JAN 27	28.43	54	1943	808	4.56	5.66		369
JAN 30	27.62	52	1940	796	4.36	5.51		347
FEB 03	23.05	47	1921	706	4.02	4.88		284
FEB 08	20.00	44	1901	643	3.78	4.44		243
FEB 14	21.40	45	1912	659	3.98	4.71		263
FEB 21	25.83	50	1939	765	4.37	5.53		334
FEB 28	32.73	57	1970	902	5.28	6.79		476
MAR 03	32.85	59	1969	902	4.99	6.55		450
MAR 07	33.80	59	1975	928	4.89	6.54		454
MAR 10	34.30	62	1976	933	5.10	6.57		475
MAR 14	34.30	59	1977	925	5.09	6.72		471
MAR 17	33.57	57	1970	913	5.03	6.46		459
MAR 21	33.25	57	1969	904	4.83	6.12		436
MAR 24	32.57	56	1957	890	4.75	6.04		423
MAR 28	30.52	55	1952	859	4.40	5.59		378
MAR 31	29.30	51	1947	804	4.42	5.59		355
APR 04	29.20	49	1947	781	4.57	5.66		357

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L				OVERBANK	TOTAL
			WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
APR 07	29.65	50	1952	808	4.49	5.46		363
APR 11	30.00	52	1956	815	4.42	5.73		361
APR 14	30.88	53	1956	842	4.64	5.93		391
APR 18	31.10	53	1960	856	4.62	5.95		395
APR 21	31.15	53	1958	847	4.63	6.01		392
APR 25	30.15	51	1954	817	4.55	5.79		371
APR 28	26.67	47	1942	750	4.14	5.04		311
MAY 02	19.76	40	1899	613	3.80	4.53		233
MAY 05	16.94	38	1893	567	3.48	4.11		198
MAY 09	17.91	39	1892	584	3.69	4.64		216
MAY 11	19.35	40	1898	604	3.77	4.55		228
MAY 17	22.16	44	1913	662	3.99	4.64		264
MAY 19	24.88	48	1920	717	4.18	5.13		300
MAY 23	25.86	49	1935	738	4.27	5.08		315
MAY 26	26.30	46	1944	738	4.17	5.10		307
MAY 31	25.56	44	1935	714	4.35	5.68		311
JUN 02	24.65	47	1917	706	4.07	4.90		288
JUN 06	22.55	43	1918	682	3.74	4.53		255
JUN 08	23.05	45	1920	686	3.60	4.36		247
JUN 13	23.15	46	1921	694	3.65	4.49		254
JUN 16	23.10	46	1919	705	3.60	4.51		254
JUN 20	24.40	48	1929	734	3.81	4.65		280
JUN 23	26.03	48	1940	713	4.23	5.21		301
JUN 27	27.48	51	1938	775	4.37	5.00		339
JUN 30	28.80	52	1946	796	4.65	5.56		370
JUL 06	30.15	51	1953	806	4.55	5.54		367
JUL 11	29.25	48	1949	773	4.48	6.27		346
JUL 14	27.70	50	1944	737	4.42	5.37		326
JUL 18	24.90	46	1978	714	4.13	5.46		295
JUL 21	23.00	43	1966	678	4.24	5.26		287
JUL 25	19.97	40	1942	574	3.75	4.38		215
JUL 28	17.19	39	1935	563	3.39	4.46		191
AUG 01	15.27	39	1926	542	3.31	4.76		179
AUG 04	14.49	37	1930	506	3.49	4.53		177
AUG 08	13.07	37	1879	486	3.31	4.09		161
AUG 11	11.05	34	1870	453	3.02	3.64		137
AUG 15	9.80	31	1858	408	2.81	4.11		115
AUG 18	9.02	31	1857	403	3.08	4.00		124
AUG 22	7.24	28	1849	372	2.72	3.62		101
AUG 25	7.00	28	1844	353	2.36	3.25		83.4
AUG 29	7.10	28	1846	364	2.60	3.38		94.6
SEP 01	8.10	29	1847	386	3.03	3.75		117
SEP 06	9.80	32	1860	420	3.02	3.89		127
SEP 08	9.75	31	1860	412	2.82	3.98		116
SEP 19	10.60	32	1864	436	3.48	4.36		152
SEP 26	13.39	36	1874	496	3.21	4.45		159
OCT 04	11.98	34	1870	445	3.03	3.80		135
OCT 06	12.00	34	1871	455	3.13	4.00		142
OCT 11	11.42	34	1867	441	3.11	3.86		137
OCT 17	11.25	34	1862	444	2.97	3.84		132
OCT 27	8.60	30	1856	398	2.90	3.84		115
OCT 31	11.00	32	1869	436	3.13	4.31		136
NOV 14	7.85	30	1844	382	2.60	3.28		99.3
NOV 28	11.94	34	1878	455	3.09	3.82		140
DEC 12	8.35	31	1853	402	2.68	3.35		108
DEC 19	6.65	31	1841	390	2.46	3.13		96.1
DEC 27	5.70	29	1834	370	2.04	2.65		75.6

DISCHARGE RANGE. DOWNSTREAM FROM KANSAS CITY SOUTHERN RAILROAD BRIDGE AT
MILE 8.2. (STA. 0304512.)

GAGE. AUTOMATIC TYPE ON BRIDGE (MILE 4.9). ZERO, NGVD

BAYOU CHENE BELOW BAYOU CROOK CHENE (LA.)

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	MAIN CHANNEL		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	8.98	14	163	1292	1.66	2.10		2148
JAN 13	9.62	14	160	1533	1.61	2.30		2468
JAN 18	10.98	15	175	1722	2.02	2.70		3469
JAN 27	13.14	17	180	2033	2.13	2.80		4331
FEB 01	12.20	16	180	1883	1.46	2.00		2748
FEB 15	10.32	15	179	1618	1.42	1.90		2297
FEB 22	12.50	16	217	1916	2.31	2.80		4421
MAR 01	14.75	20	255	2510	1.99	3.00		5001
MAR 08	15.35	21	258	2724	2.27	3.00		6190
MAR 15	15.45	22	258	2756	2.23	3.20		6145
MAR 22	15.10	22	258	2756	2.14	2.80		5895
MAR 30	13.98	21	262	2568	1.91	2.60		4895
APR 06	13.65	19	240	2175	1.97	2.60		4276
APR 12	13.80	19	240	2175	2.13	2.90		4635
APR 19	14.10	19	255	2400	2.28	3.00		5471
APR 26	13.55	18	245	2090	2.09	2.80		4375
MAY 10	8.90	13	157	1217	1.58	2.10		1921
MAY 17	10.05	14	177	1408	1.76	2.50		2475
MAY 24	11.80	16	190	1631	2.13	2.90		3467
MAY 31	11.85	16	197	1662	2.08	2.70		3460
JUN 07	11.02	15	180	1518	1.82	2.40		2761
JUN 14	10.85	15	178	1530	1.66	2.40		2548
JUN 22	11.65	16	192	1746	1.90	2.70		3322
JUN 30	13.25	18	206	2114	2.11	2.90		4468
JUL 07	13.85	19	216	2332	2.30	3.10		5351
JUL 14	13.40	19	210	2330	2.04	3.00		4752
JUL 19	12.05	15	200	1702	1.66	2.50		2829
JUL 26	9.81	13	152	1178	1.25	1.60		1469
AUG 02	8.10	11	137	898	1.01	1.40		902
AUG 11	5.73	8	119	631	0.49	1.00		308
AUG 17	4.80	8	111	561	0.42	0.70		233
AUG 23	4.19	7	103	430	0.55	1.00		236
AUG 30	3.97	7	106	432	0.57	0.90		248
SEP 07	4.88	7	113	502	1.03	1.40		517
SEP 13	5.02	7	111	514	1.15	1.40		592
SEP 20	5.49	8	113	610	1.48	1.80		905
SEP 27	6.09	9	121	744	1.56	1.90		1157
OCT 04	5.78	9	119	665	1.31	1.70		872
OCT 12	5.58	9	121	660	1.26	1.80		830
OCT 18	5.35	8	113	576	1.13	1.60		654
NOV 01	5.20	8	113	576	1.11	1.40		638
NOV 16	3.90	7	127	661	0.58	1.10		382
NOV 22	3.90	7	128	663	0.56	1.20		372
NOV 30	5.50	9	141	946	0.84	1.50		790
DEC 08	4.80	8	138	803	0.62	0.90		496
DEC 13	3.77	7	128	639	0.43	0.70		278
DEC 20	3.25	7	125	584	0.36	0.60		213
DEC 28	2.40	6	119	465	0.28	0.50		132

DIRECTION OF FLOW, NORTH.

PRIOR TO APR. 13, 1975, DISCHARGE RANGE WAS LOCATED 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHENE.

DISCHARGE RANGE. 600 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU CROOK CHENE. (STA. 0340512.)

CONTINUED ON NEXT PAGE

GAGE. BIG BAYOU CHENE ABOVE LAKE CHICOT. STAFF TYPE AT MILE 77.9. ZERO, NGVD

WAX LAKE OUTLET AT CALUMET, LA.

DISCHARGE OBSERVATIONS

			M A I N C H A N N E L				OVERBANK	TOTAL
DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES MEAN MAXIMUM		DISCHARGE	DISCHARGE
1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 18	2.66		752	339	0.25			85.9
FEB 14	3.10		754	335	0.23			78.4
MAR 21	4.58		756	354	0.40			142
APR 18	4.15		754	352	0.35			122
MAY 02	2.93		784	340	0.26			87.0
MAY 31	3.55		752	326	0.31			100
JUN 20	3.45		754	343	0.27			91.1
JUL 18	4.00		755	345	0.32			111
AUG 22	2.25		752	332	0.10			33.2
SEP 12	2.35		752	334	0.11			36.9
OCT 17	1.80		752	330	1.65			54.4
NOV 20	1.23		752	328	1.00			32.7
DEC 12	0.21		752	320	1.24			39.6

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 111.67, 1350 FT. DOWNSTREAM FROM U.S. HIGHWAY 90 BRIDGE. (STA. 0372010.)

GAGE. AUTOMATIC TYPE, DOWNSTREAM END OF EAST CALUMET FLOODGATE. ZERO, -0.14 FOOT, NGVD

LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

1989	FT	FT	FT	100 SQ FT	FPS	FPS	1000 CFS	1000 CFS
JAN 19	3.60		1820	614	0.33			202
FEB 15	3.62		1820	591	3.23			191
APR 19	5.29		1820	603	0.43			258
MAY 03	4.48		1820	605	0.33			197
JUN 01	4.91		1820	602	0.34			206
JUN 21	4.72		1820	601	0.31			185
JUL 19	5.33		1820	650	0.35			224
AUG 23	2.71		1820	591	0.12			68.8
SEP 13	2.59		1820	595	0.15			88.5
OCT 18	2.38		1820	590	1.95			115
NOV 21	1.66		1820	580	1.36			79.0
DEC 13	1.06		1820	572	1.70			97.5

MEASUREMENTS TAKEN BY U.S. GEOLOGICAL SURVEY.

DISCHARGE RANGE. MILE 117.4, 1300 FEET UPSTREAM FROM U.S. HIGHWAY 90 BRIDGE. (STA. 0378010.)

GAGE. AUTOMATIC TYPE, 400 FEET DOWNSTREAM FROM BRIDGE. ZERO, NGVD

RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL (LA.)

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L			O V E R B A N K		TOTAL
			WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
				100	MEAN	MAXIMUM		
	FT	FT	FT	SQ FT	FPS	FPS	1000	1000
1989							CFS	CFS
JAN 18	26.20	80	1051	445	3.30	5.28		147
FEB 20	25.90	83	1049	448	3.14	4.83		141
MAR 20	35.90	89	1145	549	2.89	4.30		159
APR 17	33.25	89	1133	537	2.68	3.69		144
MAY 30	27.85	95	1041	493	4.69	6.52		231
JUN 26	28.80	97	1050	497	3.41	4.67		170
JUL 24	23.10	83	906	454	4.05	7.21		184
AUG 05	15.87	80	933	385	3.29	5.47		127
AUG 21	8.80	73	712	318	2.00	3.18		63.8
OCT 05	13.80	76	923	364	0.71	0.88		25.9
OCT 21	10.70	73	790	338	0.55	0.71		18.6
NOV 17	8.60	72	746	329	0.80	0.92		26.2
DEC 13	9.30	73	753	336	0.78	1.01		26.2

DISCHARGE RANGE. 2.5 MILES UPSTREAM FROM OUTFLOW CHANNEL. (STA. 0480011.)

GAGE. ATCHAFALAYA RIVER AT BARBRE LANDING. STAFF TYPE, OPPOSITE MOUTH OF RED RIVER AT HEAD OF ATCHAFALAYA RIVER. ZERO, NGVD

LAKE LONG BELOW BAYOU LA ROMPE (LA.)

1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	10.35	42	396	8093	2.00	2.60		16177
JAN 13	11.07	43	403	8148	2.03	2.40		16521
JAN 18	12.62	45	426	8857	2.57	2.80		22774
JAN 27	15.15	48	449	10050	2.63	3.00		26396
FEB 01	14.00	47	440	9624	2.03	2.50		19519
FEB 15	11.82	44	414	8607	1.80	2.00		15536
FEB 22	14.38	44	436	9425	2.63	3.10		24811
MAR 01	17.05	47	472	10693	2.91	3.90		31083
MAR 08	17.70	48	444	11069	2.93	3.70		32478
MAR 15	17.85	48	445	11076	3.05	3.90		33813
MAR 22	17.40	44	467	10708	2.95	3.80		31574
MAR 30	16.00	44	469	10722	2.80	3.60		29969
APR 06	15.69	42	455	10068	2.63	3.30		26507
APR 12	15.90	43	459	10310	2.83	3.50		29155
APR 19	16.30	44	463	10492	2.91	3.60		30522
APR 26	15.52	43	456	9989	2.67	3.20		26722
MAY 10	10.29	38	394	7720	1.75	2.30		13514
MAY 17	11.55	37	400	8142	1.94	2.40		15754
MAY 24	13.62	43	439	9133	2.38	2.80		21751
MAY 31	13.70	40	438	8833	2.34	2.90		20704
JUN 07	12.65	39	422	8360	2.12	2.50		17736
JUN 14	12.40	39	419	8392	2.00	2.50		16739
JUN 22	13.50	40	417	8770	2.29	2.90		20076
JUN 30	15.18	42	454	9755	2.72	3.60		26571
JUL 07	15.90	43	468	10257	2.90	3.50		29737
JUL 14	15.30	43	458	10187	2.72	3.30		27721
JUL 19	13.90	41	439	9026	2.13	2.20		19264
JUL 26	11.35	37	441	7886	1.54	2.00		12114
AUG 02	9.35	36	377	7027	1.24	1.80		8691
AUG 11	6.70	34	370	6280	0.85	1.30		5351
AUG 17	5.68	32	368	5960	0.80	1.20		4796
AUG 23	4.80	31	364	5616	0.73	1.00		4080
AUG 30	4.60	31	362	5593	0.69	1.00		3850
SEP 07	5.68	33	371	5786	0.91	1.20		5278
SEP 13	5.82	31	367	5789	0.94	1.30		5465
SEP 20	6.30	32	366	6079	1.18	1.50		7184
SEP 27	7.05	33	372	6502	1.20	1.70		7779
OCT 04	6.65	34	372	6151	1.19	1.60		7337

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK	TOTAL
			WIDTH	AREA	MEAN	MAXIMUM	DISCHARGE	DISCHARGE
1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
OCT 12	6.45	34	372	6166	1.14	1.50		7016
OCT 18	6.15	32	370	5883	1.17	1.60		6881
NOV 01	6.09	33	370	6123	1.21	1.60		7434
NOV 08	5.09	31	363	5738	0.73	1.40		4209
NOV 16	4.62	30	362	5398	0.61	1.10		3279
NOV 22	4.60	30	362	5398	0.55	1.30		2962
NOV 30	6.40	35	376	6381	0.96	1.50		6139
DEC 08	5.60	33	371	5993	0.87	1.20		5188
DEC 13	4.52	31	360	5601	0.67	1.10		3753
DEC 20	4.00	31	357	5433	0.53	0.80		2871
DEC 28	3.08	32	348	5243	0.48	0.70		2498

DISCHARGE RANGE. 1000 FEET DOWNSTREAM FROM JUNCTION WITH BAYOU LA ROMPE
(STA. 4930012.)

GAGE. AUTOMATIC TYPE AT BAYOU LA ROMPE AT LAKE LONG (LA.) ZERO, NGVD

LITTLE TENSAS BAYOU BELOW BLIND TENSAS CUT (LA.)

1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	9.88	29	240	2803	2.09	2.70		5870
JAN 13	10.51	27	195	2853	2.08	2.80		5931
JAN 18	12.05	28	209	3135	2.52	3.40		7884
JAN 27	14.45	30	228	3594	2.72	3.50		9770
FEB 01	13.28	29	217	3366	1.77	2.30		5948
FEB 15	11.40	27	199	3155	1.72	2.20		5423
FEB 22	13.85	29	222	3674	2.90	4.00		10661
MAR 01	16.30	32	230	4423	2.97	4.20		13134
MAR 08	16.98	33	232	4609	3.08	4.50		14210
MAR 15	17.10	33	232	4609	3.16	4.40		14587
MAR 22	16.65	33	232	4609	3.02	4.10		13898
MAR 30	15.30	33	233	4409	2.74	3.70		12066
APR 06	14.95	31	215	3804	2.64	3.50		10061
APR 12	15.20	31	215	3804	2.79	3.70		10600
APR 19	15.60	31	222	4106	2.92	3.80		11973
APR 26	14.80	30	210	3794	2.66	3.50		10102
MAY 10	9.75	25	177	2774	1.35	1.80		3740
MAY 17	11.03	26	194	3030	1.97	2.50		5962
MAY 24	13.00	29	180	3233	2.52	3.30		8137
MAY 31	13.00	28	202	3428	2.49	3.30		8536
JUN 07	12.05	27	198	3231	2.26	3.20		7312
JUN 14	11.80	27	194	3173	2.15	3.00		6820
JUN 22	12.80	28	198	3369	2.35	3.20		7912
JUN 30	14.52	30	219	3969	2.56	3.50		10151
JUL 07	15.20	31	220	4172	2.82	3.70		11757
JUL 14	14.60	30	216	3854	2.61	3.30		10044
JUL 19	13.15	28	200	3240	1.97	2.60		6379
JUL 26	10.61	26	178	2779	1.23	1.80		3410
AUG 02	8.80	23	162	2315	1.03	1.60		2376
AUG 11	6.10	20	156	2025	0.77	1.10		1557
AUG 17	5.15	19	151	1854	0.81	1.30		1503
AUG 23	4.28	18	149	1713	0.76	1.20		1300
AUG 30	4.10	18	145	1697	0.73	1.10		1236
SEP 07	5.19	18	155	1832	1.12	1.70		2058
SEP 13	5.30	19	158	1885	1.17	1.90		2199
SEP 20	5.81	19	159	1982	1.32	2.00		2607
SEP 27	6.50	20	163	2146	1.48	1.90		3188
OCT 04	6.10	19	158	2017	1.34	1.70		2694
OCT 12	5.90	19	157	2015	1.34	1.90		2697
OCT 18	5.55	19	154	1956	1.21	1.70		2359
NOV 01	5.50	19	156	1959	1.19	1.70		2323
NOV 08	4.40	18	150	1790	0.85	1.30		1521
NOV 16	4.05	18	145	1644	0.64	1.20		1055
NOV 22	4.16	18	146	1650	0.61	1.10		1006
NOV 30	5.90	20	161	1998	0.90	1.40		1799

CONTINUED ON NEXT PAGE

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	WIDTH	AREA	VELOCITIES		DISCHARGE	DISCHARGE
					MEAN	MAXIMUM		
1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
DEC 08	5.05	19	152	1848	0.60	0.90		1103
DEC 13	4.00	18	145	1680	0.47	0.70		796
DEC 20	3.52	18	144	1677	0.42	0.70		698
DEC 28	2.52	17	137	1482	0.35	0.60		520

DIRECTION OF FLOW, NORTH.

DISCHARGE RANGE, 1500 FEET DOWNSTREAM FROM JUNCTION WITH BLIND TENSAS CUT.
(STA. 4945012.)GAGE, AUTOMATIC TYPE AT BLIND TENSAS CUT BELOW UPPER GRAND RIVER (LA.)
ZERO, NGVD

ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

1989	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
JAN 05	8.98	26	206	3665	2.02	2.50		7406
JAN 13	9.62	27	208	3885	2.31	3.00		8964
JAN 18	10.98	28	220	4120	2.78	3.60		11451
JAN 27	13.14	30	226	4531	3.11	3.80		14069
FEB 01	12.20	29	228	4325	2.63	3.40		11374
FEB 15	10.32	27	215	3879	2.17	2.70		8416
FEB 22	12.50	29	230	4253	3.19	4.10		13574
MAR 01	14.75	30	252	4917	3.57	4.70		17558
MAR 08	15.35	31	254	5076	3.80	4.50		19264
MAR 15	15.45	38	254	5156	3.86	4.50		19884
MAR 22	15.10	31	254	5076	3.71	4.50		18831
MAR 30	13.98	30	259	4876	3.32	4.00		16184
APR 06	13.65	28	242	4444	3.13	3.90		13896
APR 12	13.80	28	242	4444	3.27	4.10		14530
APR 19	14.10	29	247	4670	3.65	4.30		17062
APR 26	13.55	28	235	4403	3.46	4.10		15222
MAY 10	8.90	28	206	3550	1.99	2.50		7057
MAY 17	10.05	29	212	3776	2.28	2.90		8623
MAY 24	11.80	31	222	4218	2.45	3.20		10353
MAY 31	11.85	28	221	4033	2.63	3.50		10621
JUN 07	11.02	26	222	3838	2.47	3.20		9480
JUN 14	10.85	26	218	3822	2.37	3.00		9042
JUN 22	11.65	27	218	4022	2.60	3.20		10448
JUN 30	13.25	29	236	4515	2.98	3.80		13476
JUL 07	13.85	30	243	4767	3.19	4.10		15216
JUL 14	13.40	30	239	4740	2.93	3.70		13877
JUL 19	12.05	26	216	4018	2.73	3.80		10968
JUL 26	9.81	24	205	3514	2.14	2.80		7518
AUG 02	8.10	22	202	3111	1.29	1.80		3999
AUG 11	5.73	20	194	2723	1.08	1.60		2938
AUG 16	4.90	19	189	2531	1.09	1.40		2759
AUG 17	4.80	19	189	2531	0.99	1.50		2500
AUG 23	4.19	18	188	2480	1.06	1.50		2641
AUG 30	3.97	18	183	2454	0.97	1.60		2393
SEP 07	4.88	19	184	2589	1.21	1.60		3126
SEP 13	5.02	19	193	2665	1.33	1.70		3547
SEP 20	5.49	20	192	2778	1.51	1.90		4200
SEP 27	6.09	21	192	2933	1.59	2.00		4671
OCT 04	5.78	20	190	2795	1.48	2.10		4140
OCT 12	5.58	20	191	2797	1.52	2.20		4260
OCT 18	5.35	20	190	2722	1.38	1.90		3754
NOV 01	5.20	20	190	2719	1.32	2.00		3580
NOV 08	4.08	19	188	2607	1.02	1.40		2647
NOV 16	3.90	18	179	2430	0.86	1.20		2082
NOV 22	3.90	18	180	2432	0.84	1.20		2038
NOV 30	5.50	20	190	2804	1.11	1.40		3116
DEC 08	4.80	20	189	2630	0.98	1.30		2575
DEC 13	3.77	19	183	2426	0.72	1.00		1747
DEC 20	3.25	18	174	2329	0.68	1.10		1593

CONTINUED ON NEXT PAGE

ATCHAFALAYA BASIN EAST ACCESS CHANNEL ABOVE LAKE CHICOT (LA.)

277
CONTINUED

DISCHARGE OBSERVATIONS

DATE	MEAN GAGE READING	MAXIMUM DEPTH	M A I N C H A N N E L		VELOCITIES		OVERBANK DISCHARGE	TOTAL DISCHARGE
			WIDTH	AREA	MEAN	MAXIMUM		
	FT	FT	FT	SQ FT	FPS	FPS	CFS	CFS
1989								
DEC 28	2.40	18	169	2205	0.69	1.00		1520

DIRECTION OF FLOW, EAST.

DISCHARGE RANGE. 1700 FEET ABOVE LAKE CHICOT. (STA. 4959009.)

GAGE. STAFF TYPE, RANGE 15. ZERO, NGVD

INDEX

279

PAGE	PAGE
ACME LA., BLACK RIVER AT -----	64
ALABAMA BAYOU (FWS) AT SHERBURNE, LA.	85
ALGIERS LOCK (LA.), INTRACOASTAL	
WATERWAY AT -----	197
MISSISSIPPI RIVER AT -----	17
ALLIANCE, LA., MISSISSIPPI RIVER AT -----	19
ALLIGATOR BAYOU AT SPANISH LAKE	
FLOODGATE (LA.) -----	230, 231
AMELIA, LA., BAYOU BOEUF AT -----	115
AMITE RIVER AT FRENCH SETTLEMENT, LA.	234
AT CLIO, LA.	237
AT PORT VINCENT, LA.	233
NEAR DENHAM SPRINGS, LA.	229
ARM OF GRAND LAKE NEAR CROOK	
CHENE COVE (LA.) -----	81
ARNAUDVILLE, LA., BAYOU TECHE AT -----	149
ATCHAFALAYA BASIN EAST ACCESS CHANNEL	
ABOVE LAKE CHICOT (LA.) -----	276-277
ATCHAFALAYA BAY AT EUGENE ISLAND (LA.) ---	258
NEAR EUGENE ISLAND (LA.) -----	256
ATCHAFALAYA, LA., ATCHAFALAYA RIVER AT ---	44
ATCHAFALAYA RIVER AT ATCHAFALAYA, LA.	44
AT BARBRE LANDING, LA.	38
AT BUTTE LA ROSE, LA.	45
AT KROTZ SPRINGS, LA.	43
AT MELVILLE, LA.	42
AT SIMMSPORT, LA.	40, 41, 270-271
ATTAKAPAS LANDING, LA., LAKE VERRET AT ---	113
BAKER, LA., COMITE RIVER NEAR -----	227
BALDWIN, LA., CHARENTON DRAINAGE	
CANAL AT -----	155, 274
BANCKER, LA., VERMILION RIVER NEAR -----	165
BAPTISTE COLLETTE BAYOU NEAR	
VENICE, LA.	267
BARATARIA, LA., BAYOU BARATARIA AT -----	225
BARBRE LANDING, LA., ATCHAFALAYA	
RIVER AT -----	38
BASILE, LA., BAYOU NEZPIQUE NEAR -----	166
BATON ROUGE, LA., MISSISSIPPI RIVER AT ---	8
BAYOU BARATARIA AT BARATARIA, LA.	225
AT LAFITTE, LA.	226
BAYOU BIENVENUE AT FLOODGATE	
(EAST) (LA.) -----	191
AT FLOODGATE (WEST) (LA.) -----	190
AT PARIS ROAD (LA.) -----	189
BAYOU BLACK AT GIBSON, LA.	116
AT GREENWOOD, LA.	117
BAYOU BLUE NEAR CATFISH LAKE (LA.) -----	221
BAYOU BOEUF AT AMELIA, LA.	115
AT MEEKER, LA.	147
(IWW) AT BAYOU BOEUF LOCK (LA.) --	200, 201
NEAR LAMOURIE, LA.	138
NEAR LECOMPT, LA.	139
NEAR WOODWORTH, LA.	137
BAYOU BONFOUCA AT SLIDELL, LA.	243
BAYOU CHENE BELOW BAYOU CHENE CUT (LA.) --	49
BAYOU CHENE BELOW BAYOU CROOK	
CHENE (LA.) -----	272
BAYOU CHEVREUIL NEAR CHEGBY, LA.	223
BAYOU COCODRIE AT ST. LANDRY, LA.	145
NEAR CLEARWATER, LA.	144
NEAR WHITEVILLE, LA.	146
BAYOU COURTABLEAU ABOVE DRAINAGE	
STRUCTURE (LA.) -----	130, 131
AT COURTABLEAU, LA.	128
AT DRAINAGE STRUCTURE (LA.) -----	132
AT WASHINGTON, LA.	126
BAYOU COURTABLEAU OUTLET CHANNEL AT	
STA 225+00 (LA.) (EAST AUTO) -----	76
NEAR ME WING WALL (LA.) -----	74
NEAR SE WING WALL (LA.) -----	75
BAYOU CROOK CHENE (LA.), BAYOU	
CHENE BELOW -----	272
BAYOU DES ALLEMANS AT DES	
ALLEMANS, LA.	224
BAYOU DES CANNES NEAR EUNICE, LA.	167
BAYOU DES GLAISES NEAR COTTONPORT, LA. ---	121
(RS) AT HAMBURG, LA.	123
BAYOU DU LAC NEAR HESSNER, LA.	120
BAYOU DUPRE AT FLOODGATE (EAST) (LA.) ---	188
AT FLOODGATE (WEST) (LA.) -----	187
BAYOU FORDOCHE (LA.), EABPL BORROW	
PIT AT -----	95, 96
BAYOU FORDOCHE NEAR KROTZ SPRINGS, LA. ---	84
BAYOU GROSSE TETE AT FRISCOVILLE, LA.	102
AT LIVONIA, LA.	105
AT ROSEDALE, LA.	106
NEAR TORBERT, LA.	104
BAYOU LAFOURCHE AT GOLDEN MEADOW	
FLOODGATE (LA.) -----	219, 220
AT LEEVILLE, LA.	222
BAYOU LA ROMPE (LA.), LAKE LONG AT -----	46
LAKE LONG BELOW -----	274-275
BAYOU LATENACHE ABOVE POINTE COUPEE	
DRAINAGE STRUCTURE (LA.) -----	67
BELOW POINTE COUPEE DRAINAGE	
STRUCTURE (LA.) -----	68, 69
BAYOU LATENACHE (LA.), UPPER GUIDE LEVEE	
BORROW PIT ABOVE -----	66
BAYOU MANCHAC AT HOPE VILLA, LA.	232
BAYOU MERISIER (LA.), WABPL BORROW PIT	
(FWS) AT -----	79
BAYOU MOREAU NEAR ODENBURG, LA.	65
BAYOU NEZPIQUE NEAR BASILE, LA.	166
BAYOU PETIT CAILLOU AT COCODRIE, LA.	198
BAYOU PLAQUEMINE BRULE	
AT ESTERWOOD, LA.	168
BAYOU ROUGE (LA.), AT WABPL BORROW	
PIT (FWS) -----	70
AT WABPL BORROW PIT (LS) -----	124
NEAR WABPL (FWS) -----	71
BAYOU SARA, LA., MISSISSIPPI RIVER AT ---	7
BAYOU SERPENT NEAR FENTON, LA.	177
BAYOU SORREL LOCK (LA.), EABPL BORROW	
PIT (FWS) AT -----	90
LOWER GRAND RIVER AT -----	110
BAYOUS RAPIDES, BOEUF, AND COCODRIE	
DIVERSION CHANNEL AT MILBURN, LA. --	143
EAST OF LONEPINE, LA.	141
NEAR EOLA, LA.	142
NEAR LONEPINE, LA.	140
BAYOU TECHE AT ARNAUDVILLE, LA.	149
AT EAST CALUMET FLOODGATE (LA.) -----	158
AT KEYSTONE LOCK (LA.) -----	152, 153
AT PORT BARRE, LA.	148
AT WEST CALUMET FLOODGATE (LA.) -----	157
BAYOU TERRE AUX BOEUF AT	
DELACROIX, LA.	252
BAYOU VERMILION AT LONG BRIDGE, LA.	160
AT TONTONS BRIDGE (LA.) -----	159
SEE ALSO VERMILION RIVER	
BAYOU WAUKSHA NEAR LEBEAU, LA.	127
BEEF RIDGE (LA.), FRESHWATER	
CANAL ABOVE -----	206
BELLE CHASSE (LA.), MISSISSIPPI	
RIVER AT -----	266
BELLEDEAU, LA., THREE PRONG LAKE AT -----	119
BELLE ISLE, LA., MAX LAKE OUTLET	
VICINITY AT -----	62
BELLE RIVER NEAR PIERRE PASS, LA.	111
BERWICK LOCK (LA.), LOWER ATCHAFALAYA	
RIVER AT -----	58, 59
BIG BAYOU PIGEON (FWS) NEAR PIGEON, LA. --	91
BIG DARBONNE BAYOU (FWS) AT	
COURTABLEAU, LA.	72
(LS) AT COURTABLEAU, LA.	125
BLACK RIVER AT ACME, LA.	64
BLIND TENSAS CUT BELOW UPPER GRAND	
RIVER (LA.) -----	48
BLIND TENSAS CUT (LA.), LITTLE	
TENSAS BAYOU BELOW -----	275-276
BONNET CARRE (LA.), MISSISSIPPI	
RIVER AT -----	12
BRAITHWAITE, LA., MISSISSIPPI	
RIVER NEAR -----	18
BRANT PASS NEAR PILOT TOWN, LA.	26
BRETON SOUND NEAR GARDNER ISLAND, LA.	254
BROUSSARD BRIDGE (LA.), VERMILION	
RIVER AT -----	163
BUFFALO COVE AT ROUND ISLAND (LA.) -----	83
BURRWOOD, LA., WEST BAY NEAR -----	255
BUTTE LA ROSE, LA., ATCHAFALAYA	
RIVER AT -----	45
CALCASIEU LOCK (LA.), INTRACOASTAL	
WATERWAY AT -----	215-217
CALCASIEU RIVER AND PASS	
AT HACKBERRY, LA.	185
AT LAKE CHARLES, LA.	184
NEAR CAMERON, LA.	186

	PAGE		PAGE
CALCASIEU RIVER MAR OBERLIN, LA.	176	ESTERWOOD, LA., BAYOU PLAQUEMINE	
CALCASIEU RIVER SALT WATER BARRIER CHANNEL		BRULE AT	168
AT LAKE CHARLES, LA.	179-183	EUGENE ISLAND (LA.), ATCHAFALAYA BAY AT ..	258
CALUMET, LA., WAX LAKE EAST BORROW		ATCHAFALAYA BAY NEAR	257
PIT (LS) NEAR	203	EUNICE, LA., BAYOU DES CANNES NEAR	167
WAX LAKE OUTLET AT	57, 273	FALSE RIVER AT NEW ROADS, LA.	103
CAMERON, LA., CALCASIEU RIVER		FENTON, LA., BAYOU SERPENT NEAR	177
AND PASS NEAR	186	FLOODGATE (LA.), BAYOU	
CATAHOULA LAKE AT CATAHOULA, LA.	135	BIEVENUE AT	190, 191
CATFISH LAKE (LA.), BAYOU BLUE NEAR	221	BAYOU DUPRE AT	187, 188
CATFISH POINT CONTROL STRUCTURE (LA.),		CHARENTON DRAINAGE CANAL NEAR	154
MERMENTAU RIVER AT	172-174	FLORIDA AVENUE BRIDGE, NEW ORLEANS, LA.,	
CHALMETTE, LA., MISSISSIPPI RIVER AT	16	INNER HARBOR NAVIGATION CANAL	
CHARENTON DRAINAGE CANAL		(IHW) AT	194
AT BALDWIN, LA.	155	FRENCH SETTLEMENT, LA., AMITE RIVER AT ..	234
NEAR FLOODGATE (LA.)	154	FRENIER, LA., LAKE PONTCHARTRAIN AT ..	244
CHARENTON FLOODGATE (LA.),		FRESHWATER CANAL ABOVE BEEF RIDGE (LA.) ..	206
GRAND LAKE AT	52	AT FRESHWATER BAYOU LOCK (LA.)	207, 208
CHARENTON, LA., GRAND LAKE AT	53	FRISCOVILLE, LA., BAYOU GROSSE TETE AT ..	102
CHATLIN LAKE CANAL AT LA. HWY. 457	118	GARDNER ISLAND, LA. NEAR BRETON SOUND ..	254
CHEF MENTEUR PASS NEAR LAKE		GENERAL LOCATION MAP, MISSISSIPPI	
BORGNE (LA.)	251	RIVER SYSTEM	vi
CHEGBY, LA., BAYOU CHEVREUIL NEAR	223	GIBSON, LA., BAYOU BLACK AT	116
CHICOT PASS AT WEST FORK CHICOT		GOLDEN MEADOW FLOODGATE (LA.), BAYOU	
PASS (LA.)	50	LAFOURCHE AT	219, 220
NEAR MYETTE POINT (LA.)	51	GRAND CHENIERE, LA., MERMENTAU RIVER AT ..	175
CHOCTAW BAYOU NEAR ROSEDALE, LA.	107	GRAND ISLE EAST POINT, LA.	256
CLEARWATER, LA., BAYOU COCOORIE NEAR ..	144	GRAND LAKE, ARM OF AT CHARENTON	
CLEON, LA., WABPL (FWS) AT	77	FLOODGATE (LA.)	52
CLIO, LA., AMITE RIVER NEAR	237	AT CHARENTON, LA.	53
COCOORIE, LA., BAYOU PETIT CAILLON AT ..	198	GREENWOOD, LA., BAYOU BLACK AT	117
COLLEGE POINT, LA., MISSISSIPPI		HACKBERRY, LA., CALCASIEU RIVER	
RIVER AT	10	AND PASS AT	185
COMITE RIVER NEAR BAKER, LA.	227	HAMBURG, LA., BAYOU DES GLAISES (RS) AT ..	123
CONTROL STRUCTURE (LA.) SCHOONER		HAMMOND, LA., PONCHATOULA CREEK AT	239
BAYOU (INLAND WATERWAY) AT	209-211	YELLOW WATER RIVER CANAL NEAR	241
SIX MILE LAKE ABOVE	55	HANSON CANAL AT HANSON LOCK	
WAX LAKE EAST DRAINAGE AREA AT	204	(LA.) (NORTH)	156
COCCHIE, LA., MISSISSIPPI RIVER NEAR ..	263	HARVEY LOCK (LA.), INTRACOASTAL	
COTTONPORT, LA., BAYOU DES		WATERWAY AT	196
GLAISES NEAR	121	MISSISSIPPI RIVER AT	14
COULEE DES GRUES AT MARKSVILLE, LA.	122	HEAD, LA., WHISKEY BAY PILOT	
COURTABLEAU, LA., BAYOU COURTABLEAU AT ..	128	CHANNEL BELOW	47
BIG DARBONNE BAYOU (FWS) AT	72	HEAD OF PASSES (LA.), MISSISSIPPI	
JIG DARBONNE BAYOU (LS) AT	125	RIVER AT	24
WABPL BORROW PIT (FWS) NEAR	73	PASS A LOUTRE NEAR	269
WABPL BORROW PIT NEAR	133	SOUTH PASS NEAR	269
CROOK CHENE COVER (LA.), ARM OF GRAND		SOUTHWEST PASS NEAR	268
LAKE NEAR	81	HESSMER, LA., BAYOU DU LAC NEAR	120
DEER ISLAND (LA.), ROUND BAYOU AT	63	HIGHEST AND LOWEST STAGES,	
DELA-CROIX, LA., BAYOU TERRE		MISSISSIPPI RIVER	viii
AUX BOEUFs AT	252	HOPE VILLA, LA., BAYOU MANCHAC AT	232
DELCAMBRE CANAL AT DELCAMBRE, LA.	218	HOUMA, LA., INTRACOASTAL WATERWAY AT ..	199
DENHAM SPRINGS, LA., AMITE RIVER NEAR ..	229	INDIAN BAYOU, NEAR LAKE CHARLES, LA.	178
DES ALLEMANDS, LA., BAYOU		INNER HARBOR NAVIGATION CANAL (IHW)	
DES ALLEMANDS AT	224	AT FLORIDA AVENUE BRIDGE,	
DIKE (LA.), UPPER GRAND RIVER (FWS) AT ..	89	NEW ORLEANS, LA.	194
UPPER GRAND RIVER (LS) AT	101	AT NEW ORLEANS, LA. (LOCK)	195
DONALDSONVILLE, LA., MISSISSIPPI		NEAR SEABROOK BRIDGE, NEW	
RIVER AT	9	ORLEANS, LA.	193
DRAINAGE STRUCTURE (LA.), BAYOU		INNER HARBOR NAVIGATION CANAL LOCK (LA.),	
COURTABLEAU ABOVE	130, 131	MISSISSIPPI RIVER (IHW) AT	15
BAYOU COURTABLEAU AT	132	INTRACOASTAL WATERWAY (MORGAN CITY-	
EAST ATCHAFALAYA BASIN PROTECTION		CALCASIEU RIVER)	
LEVEE BORROW PIT AT BAYOU		AT CALCASIEU LOCK (LA.)	215-217
FORDOCHE (LA.)	95, 96	AT LELAND BOWMAN LOCK (LA.)	212-214
AT LOTTIE, LA.	97, 98	AT WAX LAKE EAST CONTROL	
NEAR MARINGOUIN, LA.	99	STRUCTURE (LA.)	202
EAST ATCHAFALAYA BASIN PROTECTION		AT WAX LAKE WEST CONTROL	
LEVEE BORROW PIT (FWS) AT		STRUCTURE (LA.)	205
BAYOU SORREL LOCK (LA.)	90	INTRACOASTAL WATERWAY (MORGAN CITY-	
AT RAMAH, LA.	87, 88	PORT ALLEN)	
EAST ATCHAFALAYA BASIN PROTECTION		AT MORLEY, LA.	109
LEVEE BORROW PIT (LS)		AT PORT ALLEN LOCK (LA.)	108
AT RAMAH, LA.	100	NEAR PIERRE PASS, LA.	93
EAST CALUMET FLOODGATE (LA.),		INTRACOASTAL WATERWAY (NEW ORLEANS-	
BAYOU TECHE AT	158	MORGAN CITY)	
EAST COTE BLANCHE BAY AT LUKES		AT ALGIERS LOCK (LA.)	197
LANDING, LA.	259	AT HARVEY LOCK (LA.)	196
EAST JETTY (LA.), MISSISSIPPI RIVER		AT HOUMA, LA.	199
(SOUTHWEST PASS) AT	26	NEAR PARIS ROAD BRIDGE, NEW	
EMPIRE, LA., MISSISSIPPI RIVER AT	22	ORLEANS, LA.	192
EOLA, LA., BAYOUS RAPIDES, BOEUF, AND		JUMP, THE, AT VENICE	267
COCOORIE DIVERSION CHANNEL NEAR	142	INTRODUCTION	iii

	PAGE		PAGE
KEELBOAT PASS BELOW LAKE CHICOT (LA.) ----	54	MERMENTAU RIVER AT CATFISH POINT	
KEYSTONE LOCK (LA.), BAYOU		CONTROL STRUCTURE (LA.) -----	172-174
TECHE AT -----	152, 153	AT GRAND CHIENIERE, LA. -----	175
KNOX LANDING, LA., MISSISSIPPI		AT LACASSINE REFUGE (LA.) -----	171
RIVER NEAR -----	3	AT LAKE ARTHUR, LA. -----	170
OLD RIVER AUXILIARY CONTROL INFLOW		AT MERMENTAU, LA. -----	169
CHANNEL NEAR -----	32, 33	MILBURN, LA., BAYOUS RAPIDES, BOEUF, AND	
OLD RIVER AUXILIARY CONTROL OUTFLOW		COCODRIE DIVERSION CHANNEL AT -----	143
CHANNEL NEAR -----	34, 269	MILE 9.2 (LA.), SOUTHWEST PASS AT -----	25
OLD RIVER INFLOW CHANNEL NEAR -----	28	MISSISSIPPI RIVER	
OLD RIVER OUTFLOW		AT ALGIERS LOCK (LA.) -----	17
CHANNEL NEAR -----	30, 31, 270	AT ALLIANCE, LA. -----	19
KROTZ SPRINGS, LA., ATCHAFALAYA		AT BATON ROUGE, LA. -----	8
RIVER AT -----	43	AT BAYOU SARA, LA. -----	7
BAYOU FORDOCHE NEAR -----	84	AT BELLE CHASSE, LA. -----	266
LA. HWY. 457, CHATLIN LAKE CANAL AT -----	117	AT BONNET CARRE (LA.) -----	12
LACASSINE REFUGE (LA.), MERMENTAU		AT CHALMETTE, LA. -----	16
RIVER AT -----	171	AT COLLEGE POINT, LA. -----	10
LAFAYETTE, LA., VERMILION RIVER AT -----	162	AT DONALDSONVILLE, LA. -----	9
LAFITTE, LA., BAYOU BARATARIA AT -----	226	AT EMPIRE, LA. -----	22
LAKE ARTHUR, LA., MERMENTAU RIVER AT -----	170	AT HARVEY, LOCK (LA.) -----	14
LAKE BORGNE AT RIGOLETS (LA.) -----	250	AT HEAD OF PASSES (LA.) -----	24
LAKE BORGNE (LA.), CHEF MENTEUR		AT IN ER HARBOR NAVIGATION	
PASS NEAR -----	251	CANAL LOCK (LA.) -----	15
LAKE CHARLES (LA.), CALCASIEU RIVER AND		AT MILE 2.0 - PILOT TOWN, LA. -----	268
PASS AT -----	184	AT NEW ORLEANS (CARROLLTON), LA. -----	13
CALCASIEU RIVER SALT WATER BARRIER		AT PORT SULPHUR, LA. -----	21
CHANNEL AT -----	179-183	AT RED RIVER LANDING, LA. -----	6
LAKE CHARLES, LA., INDIAN BAYOU NEAR -----	178	AT RESERVE, LA. -----	11
LAKE CHICOT (LA.), ATCHAFALAYA BASIN		AT SMITHLAND CROSSING (LA.) (NORTH) ---	256
EAST ACCESS CHANNEL ABOVE -----	276-277	AT SMITHLAND CROSSING (LA.) (SOUTH) ---	266
LAKE CHICOT (LA.), KEELBOAT PASS BELOW ---	54	AT TARBERT LANDING, MISS. ---	4, 5, 263-265
LAKE LONG BELOW BAYOU		AT VENICE, LA. -----	23
LA ROMPE (LA.) -----	274-275	AT WEST POINTE A LA HACHE, LA. -----	20
LAKE LONG (LA.), BAYOU LA ROMPE AT -----	46	NEAR BRAITHWAITE, LA. -----	18
LAKE MAUREPAS (LA.), NEAR RESERVE CANAL ---	236	NEAR COOCHIE, LA. -----	263
LAKE PALOUREDE NEAR MORGAN CITY, LA. -----	114	NEAR KNOX LANDING, LA. -----	3
LAKE PONTCHARTRAIN AT FRENIER, LA. -----	244	NEAR VENICE, LA. -----	267
AT MANDEVILLE, LA. -----	245	(SOUTHWEST PASS) AT EAST	
AT MIDLAKE NEAR NEW ORLEANS, LA. -----	246	JETTY (LA.) -----	26
AT WEST END, LA. -----	247	MISSISSIPPI RIVER-GULF OUTLET	
(IRISH BAYOU) NEAR SOUTH SHORE, LA. ---	248	AT SHELL BEACH, LA. -----	253
LAKE PONTCHARTRAIN (LA.), RIGOLETS NEAR ---	249	MONTHLY AND YEARLY MEAN STAGES	ix
LAKE VERRET AT ATTAKAPAS LANDING, LA. -----	113	MORGAN CITY, LA., LAKE PALOUREDE NEAR ---	114
LAMOURIE, LA., BAYOU BOEUF NEAR -----	138	MORGAN CITY, LA., LOWER ATCHAFALAYA	
LEBEAU, LA., BAYOU MAUKSHA NEAR -----	127	RIVER AT -----	60, 273
LECOMPE, LA., BAYOU BOEUF NEAR -----	139	MORLEY, LA., INTRACOASTAL WATERWAY AT ---	109
LEEVILLE, LA., BAYOU LAFOURCHE AT -----	222	MYETTE POINT (LA.), CHICOT PASS NEAR ---	51
LELAND BOWMAN LOCK (LA.)		NEW HENDERSON LANDING, LA., WABPL	
INTRACOASTAL WATERWAY AT -----	212-214	BORROW PIT (LS) AT -----	134
LITTLE BAYOU SORREL AT JCT. WITH GIWW		NEW ORLEANS (CARROLLTON), LA., MISSISSIPPI	
(MORGAN CITY-PORT ALLEN ROUTE) -----	94	RIVER AT -----	13
LITTLE LAKE LONG (LA.), WABPL (FWS) AT ---	82	NEW ORLEANS, LA., INNER HARBOR NAVIGATION	
LITTLE TENSAS BAYOU BELOW BLIND		CANAL (IWW) AT -----	195
TENSAS CUT, LA. -----	275, 276	FLORIDA AVENUE BRIDGE -----	194
LITTLE TENSAS BAYOU (LA.)		LAKE PONTCHARTRAIN AT MIDLAKE NEAR ---	246
UPPER GRAND RIVER AT -----	86	NEW ROADS, LA., FALSE RIVER AT -----	103
LIVONIA, LA., BAYOU GROSSE TETE AT -----	105	NORTHEAST WING WALL (LA.), BAYOU	
LONEPINE, LA., BAYOUS RAPIDES, BOEUF, AND		COURTABLEAU OUTLET CHANNEL NEAR ---	74
COCODRIE DIVERSION CHANNEL NEAR- 140, 141		OBERLIN, LA., CALCASIEU RIVER NEAR ---	176
LONG BRIDGE, LA., BAYOU VERMILION AT -----	160	OCTAVE PASS NEAR PILOT TOWN, LA. -----	267-268
LOTTIE, LA., EABPL BORROW PIT AT -----	97, 98	ODENBURG, LA., BAYOU MOREAU NEAR -----	65
LOWER ATCHAFALAYA RIVER AT		OLD RIVER AT TORRAS, LA. -----	36, 37
BERWICK LOCK (LA.) -----	58, 59	OLD RIVER AUXILIARY CONTROL INFLOW CHANNEL	
AT MORGAN CITY, LA. -----	60, 273	NEAR KNOX LANDING, LA. -----	32, 33
BELOW SWEET BAY LAKE (LA.) -----	61	OLD RIVER AUXILIARY CONTROL OUTFLOW CHANNEL	
LOWER GRAND BAYOU (LA.)		NEAR KNOX LANDING, LA. -----	34, 269
WABPL BORROW PIT (FWS) AT -----	80	OLD RIVER (FWS) AT JCT. WITH GIWW	
LOWER GRAND BAYOU (LA.), WABPL BORROW		(MORGAN CITY-PORT ALLEN	
PIT (LS) AT -----	136	ROUTE) (LA.) -----	92
LOWER GRAND RIVER AT BAYOU SORREL		OLD RIVER INFLOW CHANNEL NEAR	
LOCK (LA.) -----	110	KNOX LANDING, LA. -----	28
LUKES LANDING, LA., EAST COTE		OLD RIVER OUTFLOW CHANNEL (LA.),	
BLANCHE BAY AT -----	259	RED RIVER ABOVE -----	274
MAIN PASS NEAR PILOT TOWN, LA. -----	262	OLD RIVER OUTFLOW CHANNEL NEAR	
MANDEVILLE, LA., LAKE PONTCHARTRAIN AT ---	245	KNOX LANDING, LA. -----	30, 31, 270
MARINGOUIN, LA., EABPL BORROW PIT NEAR ---	99	OPELOUSAS BAY (LA.), WABPL BORROW	
MARKSVILLE, LA., COULEE DES GRUES AT -----	122	PIT (FWS) AT -----	78
MAXIMUM, MINIMUM, AND MEAN DISCHARGES ---	ix	PARIS ROAD BRIDGE, NEW ORLEANS, LA.,	
MEEKER, LA., BAYOU BOEUF AT -----	147	INTRACOASTAL WATERWAY NEAR -----	192
MELVILLE, LA., ATCHAFALAYA RIVER AT -----	42	PARIS ROAD (LA.), BAYOU BIENVENUE AT ---	189
MERMENTAU, LA., MERMENTAU RIVER AT -----	169	PASS A LOUTRE NEAR HEAD OF PASSES (LA.) --	269
		PASS MANCHAC NEAR PONCHATOULA, LA. -----	242
		PERRY, LA., VERMILION RIVER AT -----	164

	PAGE		PAGE
PETITE AMITE RIVER NEAR ST. PAUL, LA.	235	STREAM GAGING INDEX MAP OF THE DISTRICT --	xi
PIERRE PASS AT PIERRE PART, LA.	112	SWEET BAY LAKE (LA.), LOWER ATCHAFALAYA	
PIERRE PASS, LA., BELLE RIVER NEAR	111	RIVER BELOW	61
INTRACOASTAL WATERWAY NEAR	93	TARBERT LANDING, MISS., MISSISSIPPI	
PIGEON, LA., BIG BAYOU PIGEON		RIVER AT	4, 5, 263-265
(FWS) NEAR	91	THREE PRONG LAKE AT BELLEDEAU, LA.	119
PILOT TOWN, LA., BRANT PASS NEAR	268	TICKFAW RIVER NEAR SPRINGFIELD, LA.	238
MAIN PASS NEAR	267	TONTONS BRIDGE (LA.), BAYOU	
MISSISSIPPI RIVER AT MILE 2.0	268	VERMILION AT	159
OCTAVE PASS NEAR	267-268	TORBERT, LA., BAYOU GROSSE TETE NEAR	104
RAPHAEL PASS NEAR	268	TORRAS, LA., OLD RIVER AT	36, 37
POINTE COUPEE DRAINAGE STRUCTURE (LA.),		UPPER GRAND RIVER AT LITTLE	
BAYOU LATENACHE ABOVE	67	TENSAS BAYOU (LA.)	86
BAYOU LATENACHE BELOW	68, 69	UPPER GRAND RIVER (FWS) AT DIKE (LA.)	89
PONCHATOULA CREEK AT HAMMOND, LA.	239	(LS) AT DIKE (LA.)	101
NEAR PONCHATOULA, LA.	240	UPPER GRAND RIVER (LA.)	
PONCHATOULA, LA., PASS MANCHAC NEAR	242	BLIND TENSAS CUT BELOW	48
PORT ALLEN (LOCK (LA.), INTRACOASTAL		UPPER GUIDE LEVEE BORROW PIT ABOVE	
WATERWAY AT	108	BAYOU LATENACHE (LA.)	66
PORT BARRE, LA., BAYOU TECHE AT	148	VENICE, LA., BAPTISTE COLLETTE BAYOU NEAR-	267
PORT EADS, LA., SOUTH PASS AT	27	THE JUMP AT	267
PORT SULPHUR, LA., MISSISSIPPI RIVER AT --	21	MISSISSIPPI RIVER AT	23
PORT VINCENT, LA., AMITE RIVER AT	233	MISSISSIPPI RIVER NEAR	267
PROFIT ISLAND CHUTE (LA.)	266	VERDUNVILLE, LA., SIX MILE	
RAMAH, LA., EABPL BORROW PIT		LAKE NEAR	56
(FWS) AT	87, 88	VERMILION RIVER AT BROUSSARD	
EABPL BORROW PIT (LS) AT	100	BRIDGE (LA.)	163
RAPHAEL PASS NEAR PILOT TOWN, LA.	268	AT LAFAYETTE, LA.	162
RED RIVER ABOVE OLD RIVER OUTFLOW		AT PERRY, LA.	164
CHANNEL (LA.)	274	NEAR BANCKER, LA.	165
RED RIVER LANDING, LA., MISSISSIPPI		SEE ALSO BAYOU VERMILION	
RIVER AT	6	WASHINGTON, LA., BAYOU COURTABLEAU AT ----	126
RESERVE CANAL NEAR LAKE MAUREPAS (LA.) ---	236	WAX LAKE EAST BORROW PIT (LS)	
RESERVE, LA., MISSISSIPPI RIVER AT	11	NEAR CALUMET, LA.	203
RIGOLETS (LA.), LAKE BORGNE AT	250	WAX LAKE EAST CONTROL STRUCTURE (LA.)	
RIGOLETS NEAR LAKE PONTCHARTRAIN (LA.) ---	249	INTRACOASTAL WATERWAY AT	202
ROSEDALE, LA., BAYOU GROSSE TETE AT	106	WAX LAKE EAST DRAINAGE AREA	
CHOCTAW BAYOU NEAR	107	AT CONTROL STRUCTURE (LA.)	204
ROUND BAYOU AT DEER ISLAND (LA.)	63	WAX LAKE OUTLET AT CALUMET, LA.	57, 273
ROUND ISLAND (LA.), BUFFALO COVE AT	83	WAX LAKE OUTLET VICINITY AT BELLE	
RUTH CANAL AT RUTH, LA.	150, 155	ISLE, LA.	62
RUTH CANAL CONTROL STRUCTURE,		WAX LAKE WEST CONTROL STRUCTURE (LA.)	
GATE OPENINGS	151	INTRACOASTAL WATERWAY AT	205
SCHOONER BAYOU (INLAND WATERWAY) AT		WEST ATCHAFALAYA BASIN PROTECTION	
CONTROL STRUCTURE (LA.)	209, 211	LEVEE BORROW PIT (FWS)	
SEABROOK BRIDGE, NEW ORLEANS, LA., INNER		AT BAYOU ROUGE (LA.)	70
HARBOR NAVIGATION CANAL NEAR	193	AT CLEON, LA.	77
SHELL BEACH, LA., MISSISSIPPI RIVER		AT LOWER GRAND BAYOU (LA.)	80
GULF OUTLET AT	253	AT LITTLE LAKE LONG (LA.)	82
SHERBURNE, LA., ALABAMA BAYOU (FWS) AT ---	85	AT OPELOUSAS BAY (LA.)	78
SIMMESPORT, LA.,		(FWS) AT BAYOU MERISIER (LA.)	79
ATCHAFALAYA RIVER AT ---	40, 41, 270-271	NEAR COURTABLEAU, LA.	73
SIX MILE LAKE NEAR VERDUNVILLE, LA.	56	NEAR BAYOU ROUGE, LA.	71
BELOW CONTROL STRUCTURE	55	WEST ATCHAFALAYA BASIN PROTECTION	
SLIDELL, LA., BAYOU BONFOUCA AT	243	LEVEE BORROW PIT (LS)	
SMITHLAND CROSSING (LA.) (NORTH),		AT BAYOU ROUGE (LA.)	124
MISSISSIPPI RIVER AT	265	AT LOWER GRAND BAYOU (LA.)	136
SMITHLAND CROSSING (LA.) (SOUTH),		AT NEW HENDERSON LANDING (LA.)	134
MISSISSIPPI RIVER AT	266	WEST ATCHAFALAYA BASIN PROTECTION	
SOUTHEAST WING WALL (LA.), BAYOU		LEVEE BORROW PIT NEAR	
COURTABLEAU OUTLET CHANNEL NEAR	75	COURTABLEAU, LA.	133
SOUTH PASS AT PORT EADS, LA.	27	WEST END, LA., LAKE PONTCHARTRAIN AT ----	247
SOUTH PASS NEAR HEAD OF PASSES (LA.)	269	WEST BAY NEAR BURRWOOD, LA.	255
SOUTH SHORE, LA., LAKE PONTCHARTRAIN		WEST CALUMET FLOODGATE (LA.), BAYOU	
(IRISH BAYOU) NEAR	248	TECHE AT	157
SOUTHWEST PASS AT EAST JETTY	26	WEST END, LA., LAKE PONTCHARTRAIN AT ----	246
SOUTHWEST PASS AT MILE 9.2 (LA.)	25	WEST POINTE A LA HACHE, LA.,	
SOUTHWEST PASS NEAR HEAD OF PASSES (LA.) --	268	MISSISSIPPI RIVER AT	20
SPANISH LAKE FLOODGATE (LA.)		WHISKEY BAY PILOT CHANNEL BELOW	
ALLIGATOR BAYOU AT	230, 231	HEAD (LA.)	47
SPRINGFIELD, LA., TICKFAW RIVER NEAR	238	WHITE BAYOU NEAR ZACHARY, LA.	228
STATION 225+00 (LA.) (EAST AUTO.),		WHITEVILLE, LA., BAYOU COCODRIE NEAR ----	146
BAYOU COURTABLEAU OUTLET		WOODWORTH, LA., BAYOU BOEUF NEAR	137
CHANNEL AT	76	YELLOW WATER RIVER CANAL NEAR	
ST. LANDRY, LA., BAYOU COCODRIE AT	145	HAMMOND, LA.	241
ST. PAUL, LA., PETITE AMITE RIVER NEAR ---	235	ZACHARY, LA., WHITE BAYOU NEAR	228