

TP-00178

TP-00178

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric).....

Job No. ....PH-6902..... Map No. TP-00178....

Classification No. .... Edition No. ...1.....

Field edited

## LOCALITY

State ..Mississippi - Louisiana.....

General Locality Lake Borgne.....

Locality ..Clermont Harbor.....

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1969 TO 19 71

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## REGISTRY IN ARCHIVES

DATE .....

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

## DESCRIPTIVE REPORT - DATA RECORD

TP-00178

PROJECT NO. (II):

PH-6902

FIELD OFFICE (III):

Pass Christian MISS.

CHIEF OF PARTY

Dale M. Fuller

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center - Norfolk, VA

OFFICER-IN-CHARGE

Alfred C. Holmes, Director

INSTRUCTIONS DATED (II) (III):

Office Aerotriangulation - June 13, 1969

Office Compilation - July 25, 1969

Office Amendment I - Oct. 6, 1969

Office Amendment 2 - Dec. 11, 1969

Office Supplement I - May 13, 1970

Field

April 28, 1969

Field - Supplement I

October 7, 1969

Field - Post Compilation

April 6, 1970

Review of Instructions

June 20, 1972

METHOD OF COMPILATION (III):

Wild B-8 Stereoplotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000 Pantographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

Sept. 24, 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

High Water

MEAN ~~SEA~~ LEVEL EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water ~~mean low water~~

REFERENCE STATION (III):

Brown 2, 1965

LAT.:

LONG.:

30° 18' 06." 771 208.5M.

89° 29' 46." 986 1255.5M.

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

599,286.59 Ft.

X = 2,579,679.77 Ft.

Louisiana

South

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

FORM C&GS-181b  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEYDESCRIPTIVE REPORT - DATA RECORD  
TP-00178

FIELD INSPECTION BY (II):  None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air Photo Compilation - June 3, 1969, date of Photography. Oct. 16, 1969 (After "Camille")		
PROJECTION AND GRIDS RULED BY (IV):  Coradomat Auto Plotter		DATE
PROJECTION AND GRIDS CHECKED BY (IV):  Coradomat Auto Plotter		DATE
CONTROL PLOTTED BY (III):  Coradomat Auto Plotter		DATE
CONTROL CHECKED BY (III):  Coradomat Auto Plotter		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  R.E. Fisher		DATE Oct., 1969
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L.O. Neterer Reviewed: C.H. Bishop	DATE Jan. 26, 1970 Jan. 26, 1970
	CONTOURS  Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R.J. Pate		DATE March 6, 1970
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  A.L. Shands		DATE Feb. 14, 1974
REMARKS:  All detail on this manuscript was transfered from TP-00038 which overlaps this manuscript by one full minute on the east.		

## DESCRIPTIVE REPORT - DATA RECORD

TP-00178

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "L"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69L(C)-6197 thru 6199	Oct. 16, 1969	12:10 CST	1:20,000	0.0 Ft. at MLW
69L(C)-6229	Oct. 16, 1969	12:10 CST	1:20,000	0.0 Ft. at MLW

## TIDE (III) (PREDICTED)

	RATIO OF RANGES	MEAN RANGE <del>RAISE</del> Tide	<del>diurnal</del> <del>range</del> RANGE
REFERENCE STATION: Pensacola, Florida		0.6'	1.3'
SUBORDINATE STATION: Bay St. Louis, MISS.		0.8'	1.6'
SUBORDINATE STATION:			

Atlantic Marine Center  
WASHINGTON OFFICE REVIEW BY (IV):

C. H. Bishop

DATE:

Feb., 1974

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

TP-00178

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete Pending Field Edit	March, 1970	Superseded
Field edit applied Compilation complete	Feb., 1974	Superseded
Final Review	Feb., 1974	



## SUMMARY TO ACCOMPANY

## DESCRIPTIVE REPORT TP-00178

This 1:10,000 scale shoreline manuscript is one of 16 maps that comprise Project PH-6902, Lake Borgne, MISS. - LA. The project diagram on page five (5) shows the location of this map in the project.

The only field work done before compilation was recovery and identification of horizontal control required for bridging.

Bridging was done on the C-5 and C-8 Stereo-planigraphs, using 1:30,000 scale photographs taken in June 1969 before Hurricane Camille, which crossed the area on August 6, 1969. Diapositives of the same photography were used for compilation of interior details on the Wild B-8 plotter. In October, after the hurricane, new photography was flown at 1:20,000 scale. This was used for compilation of shoreline and alongshore features and photo-hydro support.

Field edit was done in October 1970.

Final review was done at the Atlantic Marine Center in February, 1974.

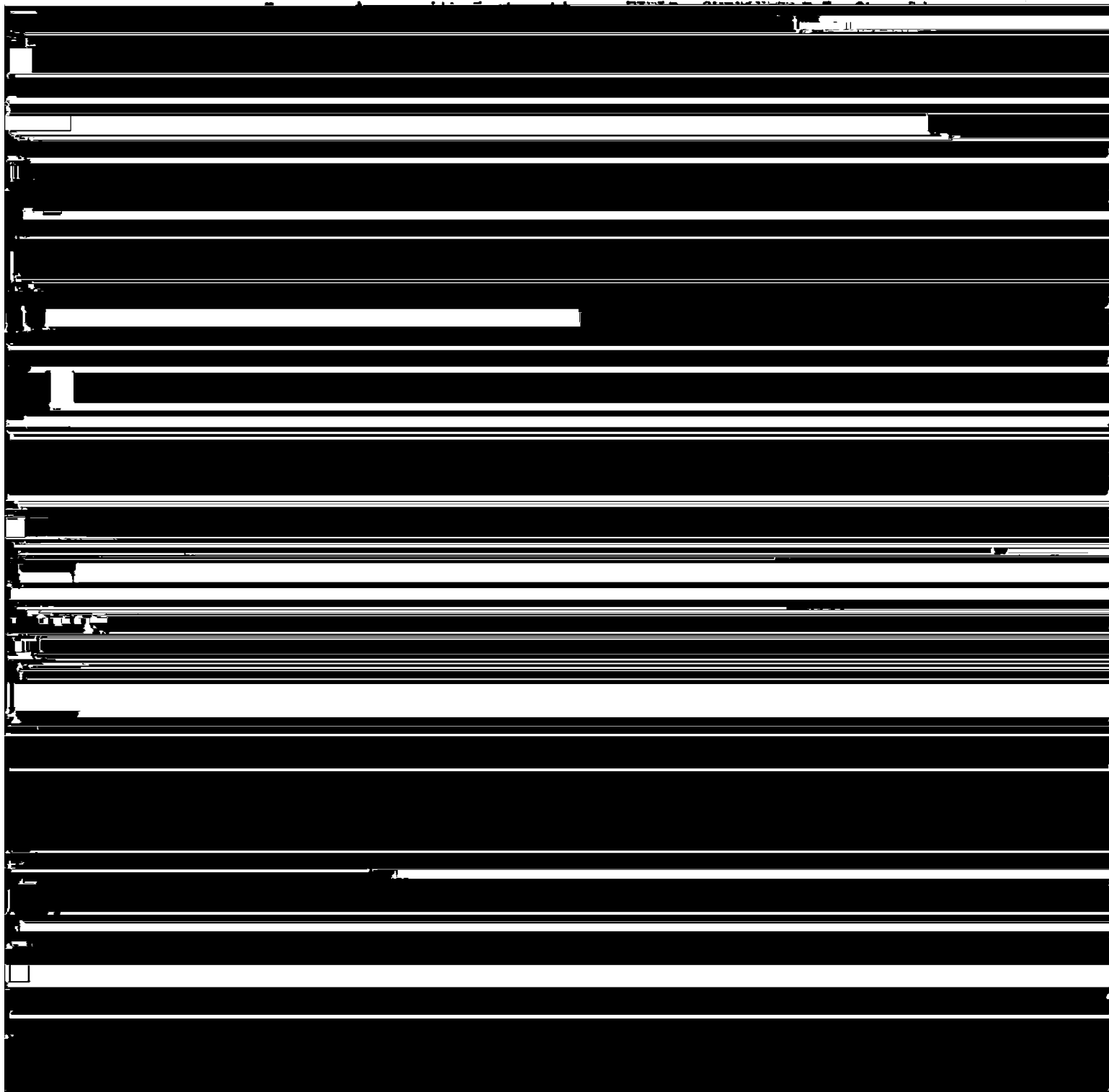
The original manuscript was a stabiline sheet 5 minutes in latitude by 5 minutes in longitude.

A cronaflex positive and a negative of the final reviewed map were forwarded for record and registry.



FIELD REPORT PH-6902

PREMARKING HORIZONTAL CONTROL STATIONS



2.

and it is understood that the photo mission had left the area by then. Four stations were marked Friday, November 14th. They are ARCH, BANK, STAR, and CELL, and are in Maps TP-00036, 00037 and 00039.

It is respectfully suggested and urgently requested that on future projects of this nature the Chief of Photo Mission be required to contact the Photo Field Party prior to photography. This would seem to be a reasonable courtesy and prove helpful to all concerned. Targets are often placed at stations as much as a month prior to photography. These should be checked immediately before photography as they are subject to vandalism and damage by the elements.

Submitted 11/25/69

William H. Shearouse,  
Chief, Photo Party 60

Photogrammetric Plot Report  
Job PH-6902  
Lake Borgne, La.-Miss.

April 1970

21.. Area Covered

This report covers the area of Lake Borgne. Included are nine (9) 1:20,000 sheets TP-00040, TP-00042 thru TP-00049 and three (3) 1:10,000 sheets TP-00041, TP-00178 and TP-00179.

22. Method

Six (6) strips of 1:60,000 scale photographs were bridged by analytical and four (4) strips of 1:20,000 scale photographs were bridged by analog aerotriangulation methods.

The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustments. A list of closures to control is part of this report.

Positions for all bridge points have been submitted for each strip. All pass points, control and topographic stations have been plotted on the manuscripts by the Coradi, on the Louisiana South Zone plane coordinate system.

In order to compile sheets TP-00041 and TP-000178 at 1:10,000 scale it will be necessary to locate compilation points from Strip 5, 1:60,000 scale, to the 1:40,000 scale color photographs 69-E(C)-3376 thru 3380. Color diapositives and contact printons will be sent of the above photographs. These are the only 1:40,000 scale plates needed for this job.

All topographic stations recovered and panelled by the field party that fall within the project limits have been located by the bridge.

23. Adequacy of Control

All horizontal control was premarked and was adequate to control 1:60,000 scale strips. Along with horizontal control numerous tie points were used to control the 1:20,000 strips.

-2-

25. Photography

The definition and quality of the RC-9 "M" camera panchromatic photography was poor. The photographs were very dark, especially along the edges and numerous sun spots made definition of detail rather doubtful in many instances.

The quality of the 1:20,000 scale "S" and "E" cameras color photography was good. The 1:40,000 scale "E" camera color photography that was used mainly for ratio prints appeared to be of good quality and definition.

Respectfully submitted,



Donald M. Brant

Approved and forwarded,



Henry P. Eichert  
Chief, Aerotriangulation  
Section

Lake Borgne, La.-Miss.  
Closures to Control (Feet)

Strip 1	x	y
Bilox Bayou 2, 1966	+1.3	-1.4
Blind A2, MK, 1966	-2.2	+5.4
John 2, 1966	+1.3	+5.6
Door Pt. 2, 1952	+1.2	+1.5
Strip 2		
Enid, 1966	-0.2	+0.8
Bilox Bayou 2, 1966	+1.6	-1.1
Sub. Sta. St. Malo, 1934	-2.5	+0.7
Hopedale 2, 1966	+1.0	-0.4
Strip 3		
Sub. Sta. Violet 2, 1966	-3.5	+3.4
*Yscloskey Gas Co. Mast, 1966	-6.1	+5.2 (0.I.)
*Miss. River Gulf Outlet Lt. 107, 1966	+7.8	-4.6 (0.I.)
*Miss. River Gulf Outlet Lt. 108, 1966	+6.7	-4.9 (0.I.)
Luce, 1934	+6.5	-1.0
*Yscloskey Munic. W.T. 1966	+0.1	-3.6 (0.I.)
Sub. Sta. St. Malo, 1934	-0.5	-2.7
Strip 4		
Hopedale 2, 1966	-0.8	-0.5
*Yscloskey Munic. W.T. 1966	-0.5	+4.2 (0.I.)
*Lt. 107	+2.9	+2.9 (0.I.)
Luce, 1934	+0.6	+2.0 (0.I.)
*Yscloskey Gas Co. Mast, 1966	+3.5	-1.3 (0.I.)
Chalmettes, 1966	+0.2	+0.9
Sub. Sta. Hopedale 2, 1966	-0.7	-0.8
*Shell Beach Radio Mast	+0.1	-5.9 (0.I.)
*Lt. 108	+4.5	+1.3 (0.I.)
Sub. Sta. Violet 2, 1966	-0.2	-2.1
*Miss. River Gulf Outlet Lt. 103, 1966	-4.6	-6.8 (0.I.)
*Miss. River Gulf Outlet Lt. 104, 1966	-2.4	-7.2 (0.I.)
Strip 5		
Chalmettes, 1966	-0.6	+0.6
*Venetian Isle W.T. 1966	+1.3	-2.5
*Venetian Isle Microwave Tower, 1966	+5.4	+6.0 (0.I.)
Rigg, 1934	-0.2	+0.4
*Tenn. Gas Pipeline Co. Radio Mast; 1959	-0.6	+4.8
Sub. Sta. Tenn. Gas Pipeline Co. Radio Mast, 1959	-0.7	+0.9
Sub. Sta. Folger, 1966	-0.4	-0.3
Sub. Sta. Venetian Isle W.T. 1966	+0.9	-0.7

	x	y
Sub. Sta. West, 1954	+0.3	-0.6
*Bay St. Louis W.T. 1931	+1.5	-5.9 (O.I.)
*Folger RM 2, 1966	-1.8	-3.5

## Strip 6

*Tenn. Gas Pipeline Co. Radio Mast, 1959	+1.4	+1.4
Sub. Sta. Tenn. Gas Pipeline Co. Radio Mast, 1959	0.0	0.0
*Venetian Isle W.T. 1966	+0.8	-5.4
Sub. Sta. Venetian Isle W.T. 1966	+1.8	-1.9
Rigg	+0.1	-0.3
*Pearl RM 1, 1931	+4.2	-3.2
Sub. Sta. Folger, 1966	+0.1	-1.8
*Folger RM 2, 1966	-1.2	-2.6

## Strip 7

John 2, 1966	0.0	0.0
Grand Pass 3, 1966	0.0	0.0
Enid, 1966	0.0	0.0

## Strip 8

Sub. Sta. A Proctor Pt. 3, 1952	0.0	0.0
*Sub. Sta. B Proctor Pt. 3, 1952	+3.1	-1.7

## Strip 9

Sub. Sta. Herbes, 1931	0.0	0.0
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## Strip 10

*Pearl RM 1, 1931	+2.2	-2.1
Log, 1958	0.0	0.0
Sub. Sta. Aaron, 1935	0.0	0.0

\*Stations not used in the strip adjustment.  
(O.I.) Office Identified natural objects.

*Horizontal Control*

S.P. Herbes, 1931  
S.P. FOLGER, 1966  
Chalmette 3, 1966  
S.P. Violet 2, 1966  
S.P. Venetian Isle W.T. 1966  
S.P. Proctor Pt. 3, 1952  
Luce, 1934  
S.P. Hopedale 2, 1966  
S.P. St. Malo, 1934  
Biloxi Bayou 2, 1966  
Rigg, 1934  
Pearl R.M. 1, 1931  
Log, 1958  
S.P. Aaron, 1935  
S.P. Tenn. Gas Pipeline Co.  
Radio Mast, 1959  
Chuck, 1966  
Stew, 1966  
Blind Az. MK. 1966  
John 2, 1966  
Grand Pass 3, 1966  
Door Pt. 2, 1952  
Enid, 1966  
S.P. West, 1954





## COMPILATION REPORT

PH-6902

TP-00178

31. DELINEATION

The delineation on TP-00178 was compiled on sheet TP-00038 to the limits of adequate photograph coverage and transferred to sheet TP-00178.

See report for TP-00038 for other items of report.

39. JUNCTIONS

Satisfactory junctions were made with TP-00038 to the east, TP-00041 to the south and TP-00040 to the west, scale 1:20,000.

There is no contemporary survey to the north.

Submitted by:

*Charles H. Bishop*

for R.J. Pate  
Cartographic Technician  
Nov. 18, 1970

Approved for forwarding:

*Jeff Carlen*  
Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*  
Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

## COMPILATION REPORT

TP-00038 PH-6902

31. DELINEATION:

This sheet was compiled graphically from color ratios, the scale of which ran from good to poor.

The photographs were generally dark and in most areas the shoreline was very difficult to determine and required inking with vermilion pigment ink to be seen through the density of the sheet material.

Detail along the northern limits of the sheet was restricted by inadequate Photo coverage.

32. CONTROL:

Shoreline control points were dropped by means of the "B-8" from diapositives of 1:30,000 scale.

Additional points where needed were cut-in graphically by holding these and identifiable bridge points for control.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage consists chiefly of marsh streams and ditches and have been delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

A berm line visible on the photographs against a white sand beach was delineated as the mean high water line, which is to be verified during field edit by measurements from identifiable points

on the photographs at approximately half mile intervals.

The approximate mean low water line, piers or pier ruins, groins etc. were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS:

Two Forms 76-40, Landmarks for Charts, were submitted to the Rockville office in February, 1974 (one for Aeronautical Charts Branch). *Chart Letter No. 252.*

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Satisfactory junctions have been made with TP-00036 to the north, TP-00039 to the east and TP-000178 to the west. There is no contemporary survey to the south.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with U.S. Geological Quadrangle WAVELAND, MISS., and BAY ST. LOUIS, MISS., both scale 1:24,000, dated 1956.

In the Waveland quadrangle numerous canals have been dug in land development projects in the vicinity from Joes Bayou to Bayou La Croix, Lat  $30^{\circ} 19'$  to  $30^{\circ} 20'$  and Long.  $89^{\circ} 22'$  to  $89^{\circ} 25'$ .

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Charts 876-SC fourth edition dated Nov. 1968 and 878-SC second edition dated Aug., 1968.

The incompleted portion of roads and canals extending southward from the area mentioned under item 46 were not delineated due to inadequate photograph coverage.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Charles H Bishop*

for R.J. Pate  
Cartographic Technician  
March 9, 1970

Approved for forwarding:

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

Jan. 28, 1974

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6902 (Mississippi Sound, Miss.-La.)

TP-00178

Bayou La Croix

Clermont Harbor

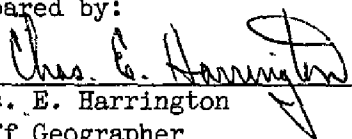
Four Dollar Bayou

Louisville &amp; Nashville (RR)

Mississippi Sound

Sand Bayou

Prepared by:

  
Chas. E. Harrington  
Staff Geographer

## PHOTOGRAMMETRIC OFFICE REVIEW

T-P-00178

20

1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X X		7. PHOTO HYDRO STATIONS X, X
8. BENCH MARKS X X	9. PLOTTING OF SEXTANT FIXES X X	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ALS	13. LOW-WATER LINE X X	14. ROCKS, SHOALS, ETC. X X	15. BRIDGES
16. AIDS TO NAVIGATION X X	17. LANDMARKS X X	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES ALS
PHYSICAL FEATURES			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER X X		22. PLANETABLE CONTOURS X X
23. STEREOSCOPIC INSTRUMENT CONTOURS X X	24. CONTOURS IN GENERAL X X	25. SPOT ELEVATIONS X X	26. OTHER PHYSICAL FEATURES X X
CULTURAL FEATURES			
27. ROADS ALS	28. BUILDINGS X X	29. RAILROADS X X	30. OTHER CULTURAL FEATURES X X
BOUNDARIES			
31. BOUNDARY LINES X X		32. PUBLIC LAND LINES X X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY See TP-00038	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS X X	39. FORMS ALS
40. REVIEWER A.L. Shands 2-14-74		SUPERVISOR, REVIEW SECTION OR UNIT A. C. Rauck	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER A.L. Shands Feb. 11, 1974		SUPERVISOR A.C. Rauck	
43. REMARKS Field Edit Applied From: See TP-00038 which overlaps this manuscript.			

## FIELD EDIT REPORT

GRAND BAYOU  
PH 6902  
LAKE BORGNE, MISSISSIPPI-LOUISIANA

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. A large number of piers, piling, groins and storm drains were omitted during compilation and are delineated on the cronaflex print.

Several measurements were made to MHWL from selected photo points. It should be noted that the foreshore area is generally flat and the MHWL is subject to continuous change due to the profile of the foreshore area and local wind conditions.

54. RECOMMENDATIONS

None.

56. LANDMARKS AND AIDS TO NAVIGATION

Five landmarks were recommended for charting; their positions were located during compilation and field verified. No aids to navigation appear on this sheet.

57. ADDITIONAL INFORMATION

Field edit notes appear on the following color prints: 69L6222, 69L6223, 69L6224, 69L6225, 69L6220 and 69L6202. Field edit notes were made in violet ink on the photographs, ozalid and cronaflex copies of the manuscript. All corrections to the manuscript were indexed on the ozalid copy. All triangulation stations were recovered and a Form 526 submitted for each.

Respectfully submitted,

Dale M. Fuller  
Survey Technician, October, 1970

*Roger P. Hewitt*  
Roger P. Hewitt  
LTJG/NOAA  
Chief, Photo Party 61

*This report also applies  
to TP-00178.*

*CMB*

*2-20-74*

## REVIEW REPORT TP-00178

## SHORELINE

FEB. 18, 1974

61. GENERAL STATEMENT:

See summary on page 6 of the Descriptive Report.

This map overlaps TP-00038 by one minute of longitude; all detail between  $89^{\circ} 25'$  and  $89^{\circ} 26'$  was traced from that map.

An ozalid comparison print showing differences mentioned in Par. 62 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-9788, 1:20,000 scale, dated 1956. Significant differences were shown in blue on the comparison print.

Canals in the vicinity of Bayou La Croix are new shoreline.

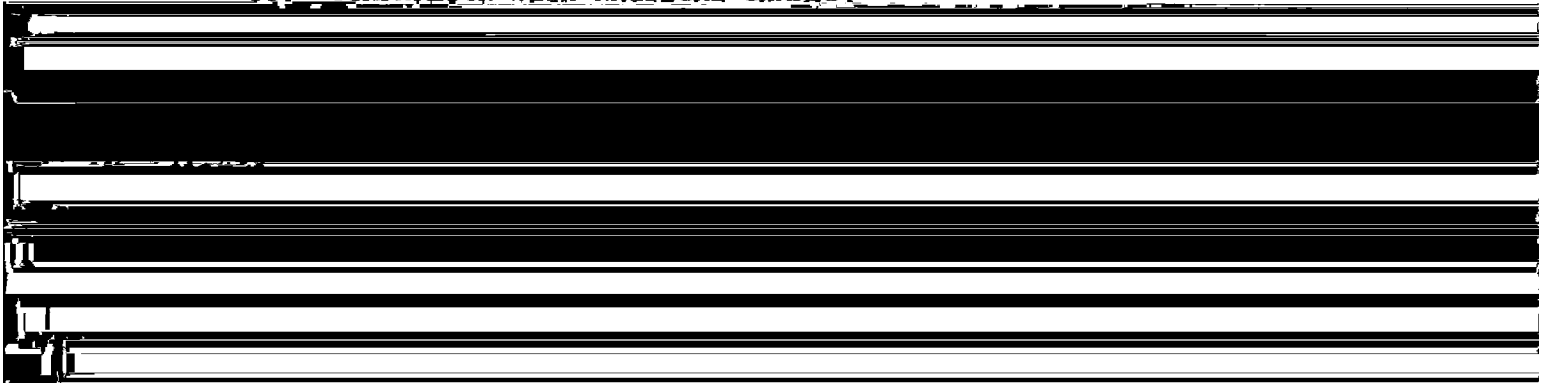
This map supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle WAVELAND, MISS., 1:24,000 scale, dated 1956. In the area compared, the quadrangle is a copy of T-9788 and differences are the same as in Par. 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Boast Sheet H-9199, 1:10,000 scale, dated 1970. No differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:



66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with project instructions and meets the requirements for the National Standards of Map Accuracy.

Review by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for forwarding:

*J. G. Carlen*

Jeffrey G. Carlen, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

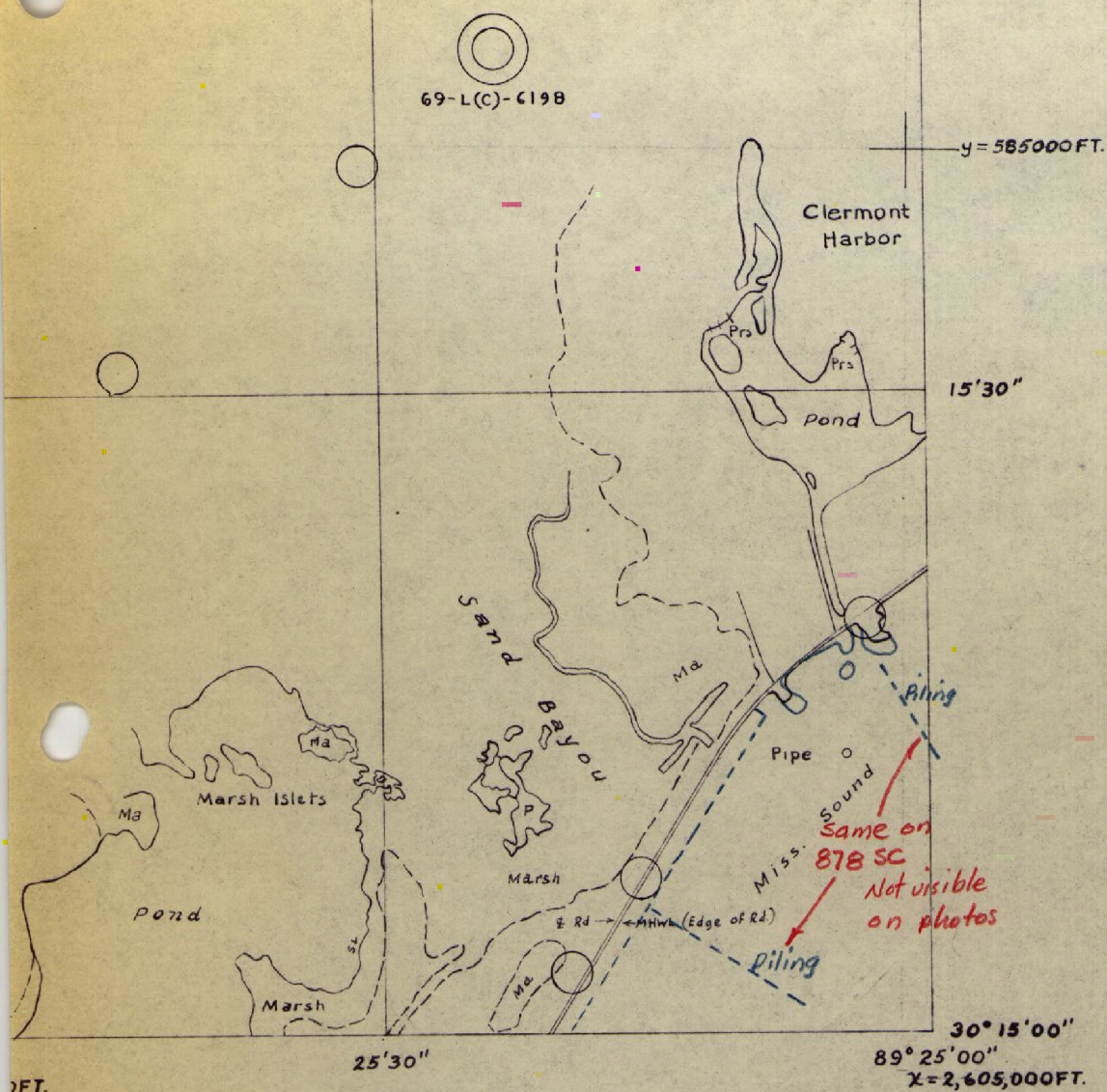
Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division







NATIONAL OCEAN SURVEY  
SHORELINE MANUSCRIPT  
TP-00178  
MISSISSIPPI-LOUISIANA  
LAKE BORGNE  
CLERMONT HARBOR

SCALE 1:10,000  
(1 inch = 833.33 ft.)  
CONTROL DATA

Polyconic projection: 1927 North American Datum  
0 foot grid based on La (South Zone) plane coordinate system  
Datum plane: Mean High Water

COMPARISON PRINT

Blue = T-9788  
Red = Chart 878 SC

TP-00178

69-L(C)