

ORIGINAL

TP-00179

TP-00179

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. PH-6902 Map No. TP-00179

Classification No. Edition No. 1

Field Edited

LOCALITY

State Mississippi - Louisiana

General Locality Lake Borgne

Locality Half Moon Island

1969 TO 1971

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

TP-00179

PROJECT NO. (II): PH-6902		
FIELD OFFICE (III): Atlantic Marine Center - Norfolk, VA		CHIEF OF PARTY Alfred C. Holmes, Director, AMC
INSTRUCTIONS DATED (III) (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 Not dated - Review of Instructions June 20, 1972		
METHOD OF COMPILATION (III): Graphic		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): Inapplicable
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): MEAN Low Water ^{High Water} 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 Low Water
REFERENCE STATION (III): CHUCK, 1966		
LAT.: 30° 07' 50.540" (1556.2M)	LONG.: 89° 26' 49.835" (1333.9M)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): 537,297.17 Ft. x = 2,596,231.61 Ft.		STATE Louisiana
		ZONE 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 SURVEY

DESCRIPTIVE REPORT - DATA RECORD

TP-00179

FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation - Nov. 15, 1969 date of Photography.		
PROJECTION AND GRIDS RULED BY (IV): Coradomat Auto Plotter		DATE
PROJECTION AND GRIDS CHECKED BY (IV): Coradomat Auto Plotter		DATE
CONTROL PLOTTED BY (III): C.H. Bishop		DATE June 12, 1970
CONTROL CHECKED BY (III): B. Wilson		DATE June 12, 1970
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B. Wilson	DATE June 17, 1970
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson		DATE June 17, 1970
SCRIBING BY (III): N.A.		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): A.L. Shands		DATE
REMARKS: Field Edit By: Rodger P. Hewitt August, 1970		

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
69S(C)-9089 thru 9092	Nov. 15, 1969	09:37	1:20,000	0.8 Ft. above MLW
69E(C)-3331-3332	Nov. 15, 1969	11:56	1:40,000	0.1 Ft. above MLW

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola, FL			1.3
SUBORDINATE STATION: Bay St. Louis, MS			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):

4

RECOVERED:

4

IDENTIFIED:

2

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

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

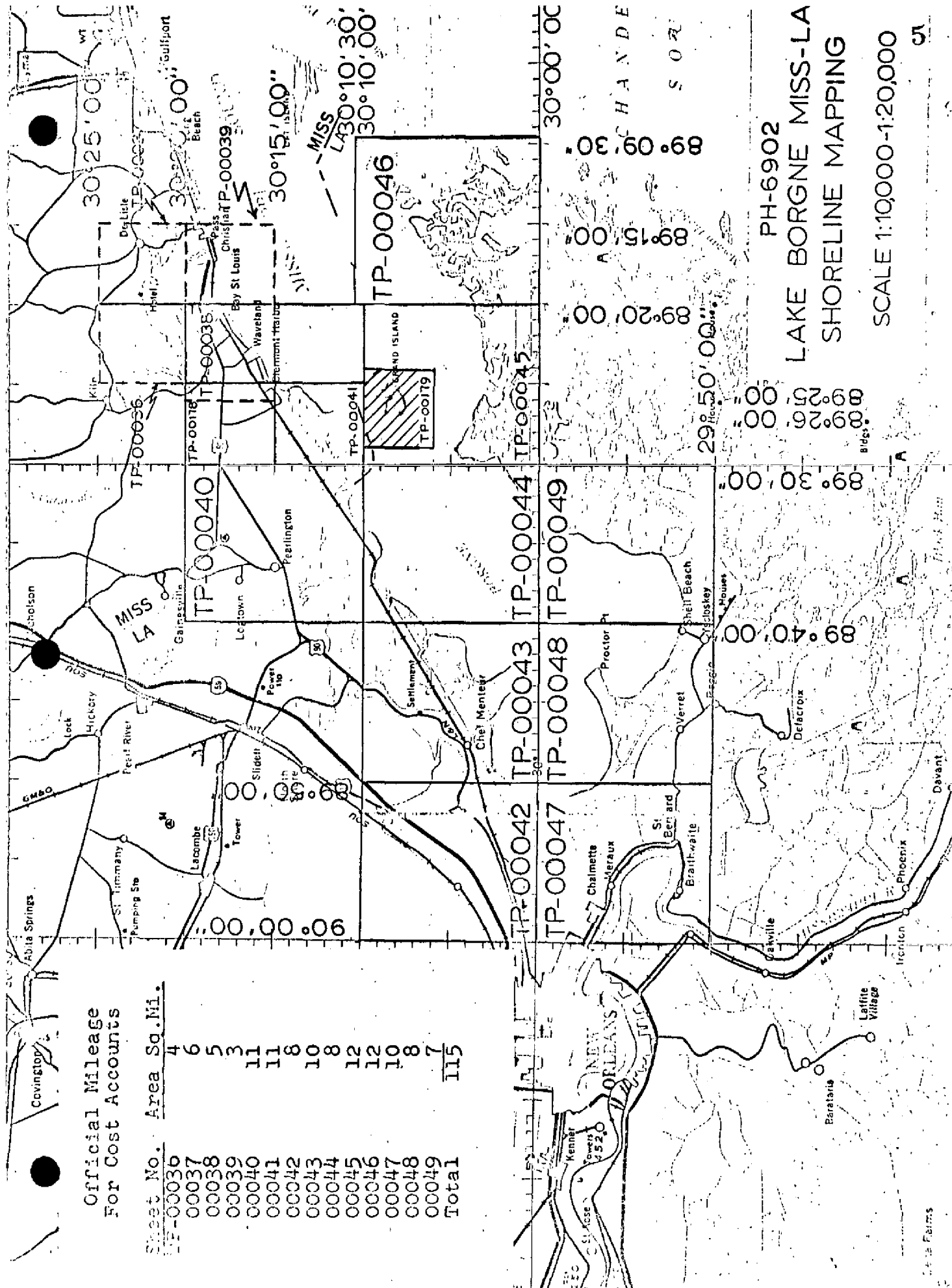
REMARKS:

TP-00179

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit	Nov., 1970	Superseded
Field edit applied compilation complete	Oct., 1971	Superseded
Final Review	Feb., 1974	

Sheet No. Area Sq. Mi.

Sheet No.	Area Sq
00036	4
00037	6
00038	5
00039	3
00040	11
00041	11
00042	8
00043	10
00044	8
00045	12
00046	12
00047	10
00048	8
00049	7
Total	115



LAKE BORGNE MISS-LA SHORELINE MAPPING

SCALE 1:10,000-1:20,000

541

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00179

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 5 shows the locations of this map in the project.

Field work before compilation was limited to recovery, identification and premarking of horizontal control required for bridging.

Compilation was graphic, using panchromatic and color photography taken on November 15, 1969. The Grassy Island plot was controlled by pass points in the bridging flight north of St. Joe's Pass and a single point located by field methods on Grassy Island. Half Moon Island was compiled from a separate plot using three photographs and three horizontal control stations on the island.

Field edit was done in August, 1971.

The original manuscript was a stabilene sheet 4 minutes in latitude by 5 minutes in longitude.

A cronaflex positive and a negative of the original manuscript were forwarded for record and registry.

FIELD REPORT PH-6902

PREMARKING HORIZONTAL CONTROL STATIONS

In accordance with Instructions--FIELD--SUPPLEMENT I--Shoreline Mapping, Lake Borgne, Louisiana, received October 7, 1969, reference C1413, 24 triangulation stations were premarked. Revised Horizontal Control Diagram dated October 17, 1969, called for 14 stations to be premarked for 1:60,000 scale photography and 10 to be premarked for 1:20,000 scale photography. These requirements were fulfilled, the only deviation being station VIOLET 2, 1966, which was substituted for MARTELLO, 1966. It is thought, however, that due to the shape of the building known as Martello Castle and the placement of the station disk on a corner of the wall it may prove useful as control if needed. A reading of the station description and a look at the building on the photograph will shed further light on this thought.

Stations were marked with white polyethylene plastic sheeting. All panels placed of the station marks or used as substations are square. Those used for the 1:60,000 scale photography are 10 feet square; the 1:20,000's are 3 feet square. Where practical, 3 runners were used as wing panels and these are shown in their approximate relations to the center square on the Form 152, CSI card, submitted for each station. The wing panels are approximately 4.7 feet wide by 30 feet long for the 1:60,000 photography and 2 feet by 12 feet for the 1:20,000.

Paragraph 5 of the Supplemental Instructions called for premarking of previously monumented topographic stations along the north shore of Mississippi Sound and Lake Borgne from Pass Christian (Map TP-00039) southwestward to Alligator Point (Map TP-00043). This involved 47 stations. Descriptions were not available for approximately 30 percent, but all marks were searched for and reported on Form 524. ^{Twelve} stations were recovered and premarked. Form 152, CSI cards, are submitted for these in addition to Form 524.

These stations were premarked for 1:40,000 scale photography. All were marked by placing a 5-foot square panel over the station mark with wing panels as shown in the sketches--generally 3 runners 3.5 or 4 feet wide by 20 feet long.

It is not known exactly when the photographs were taken. We were in the process of premarking the topographic stations until Monday noon, November 17th. Station BASE 1950 (TP-00037) was marked on that date

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 CML, 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

FIELD INSPECTION REPORT

PH - 6902

TP-00179

There was no field inspection prior to compilation.

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.

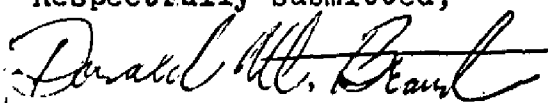
-2-

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.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- TP-00179

PROJECT NO. PH-6902

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 ft. = 3048006 meter) FORWARD (BACK)
STEW, 1966	GP 300892 Pg. 1129	NA 1927	30° 08' 42.049" 89° 25' 08.357"	1294.8 (552.7) 223.7 (1382.1)
CHUCK, 1966	GP 300892 Pg. 1128	NA 1927	30° 07' 50.540" 89° 26' 49.835"	1556.2 (291.3) 1333.9 (272.1)
ARK, 1934	GP 300892 Pg. 1002	NA 1927	30° 08' 25.609" 89° 26' 01.980"	788.6 (1059.0) 53.0 (1552.9)
MOON, 1909	GP 300892 Pg. 1003	NA 1927	30° 08' 26.026" 89° 26' 00.666"	801.4 (1046.1) 17.8 (1588.0)
COMPUTED BY R.J. Pate, B. Wilson	DATE 4/23/70, 6/17/70	CHECKED BY L.L. Graves, C.E. Blood	DATE 4/23/70, 6/18/70	13

COMPILATION REPORT

TP-00179

31. DELINEATION

The graphic method was used.

There was no field inspection prior to compilation.

The photography for the larger island was excellent. The contact prints of the "E" series (used to extend graphically the Wild B-8 model 69M-131-132 to Grassy Island) were excellent, but the ratio prints were very fuzzy and speckled.

32. CONTROL

Although the Photogrammetric Plot Report, dated April, 1970 includes TP-00179, the islands of this manuscript were not covered by the photos used in the bridges.

The area of Grassy Island was a graphic extension of model 69M-131-132 using photos 69E(C) 3376, -3377 & -3378 and 69E(R) 3331 - 3332.

The area of Half Moon Island was a separate radial plot of photos 69S(C) 9090 thru -9092, holding panelled stations CHUCK 1966 and STEW 1966 and office-identified stations MOON 1909. Although these stations were nearly in line along the azimuth of the flight, good three-ray intersections were obtained on the pass points, indicating a good fix of the photos. Photo 64S(C)-9089 was then located with sufficient accuracy to provide a third cut for hydro signals on the east end of the island, should they be required.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage has been delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been compiled from office interpretation of the photographs.

No mean low water has been shown, the range of tide being too small.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Copies of Forms 76-40 for three (3) non-floating aids to be charted and one to be deleted were forwarded to the Rockville Office.

on March 5, 1974, Chart Letter No. 252.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions have been made with TP-00041 to the north, and with TP-00045 to the east, west and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was adequate. All questions asked were answered completely. Two measurements were given to the mean high water line from triangulation station CHUCK, 1966. This resulted in the re-drawing of the shoreline around that point. Also the plotting of sub. Pt. "B" on Grassy Island which was field identified and located, resulted in a slight movement of the island in a north-easterly direction.

The 19-foot measurement to the mean highwater line from station STEW, 1966 was considered to be to a dip in the shoreline at that point rather than to refer to the general configuration of the shoreline. The 89-foot measurement to the mean high water line from station ARK, 1934 verified the compiled mean high water line.

Station GRASSY ISLAND LIGHT, 1966 was considered to be destroyed, since the field editor submitted a new position to Grassy Island Light.

A.L.S.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle GRAND ISLAND PASS, MISS - LA., scale 1:24,000, dated 1956.

The two islands of this manuscript are shown on this quadrangle entirely as marsh.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1268, scale 1:80,000 11th Edition, dated Feb.17, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Respectfully submitted:

Charles H. Bishop

for B. Wilson
Cartographic Technician
August 23, 1970

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:

Jan. 28, 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00179

Gamblers Bayou

Gamblers Bend

Grassy Island

Grauthier Bayou

Half Moon Island

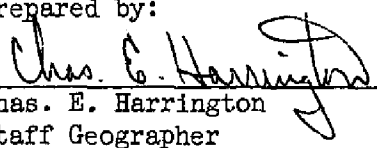
Lake Borgne

Mississippi Sound

Pokey Dutch

St. Joe Pass

Prepared by:


Chas. E. Harrington
Staff Geographer

49-NOTES FOR THE HYDROGRAPHER

Due to the position of the photo centers, the position of Grassy Island is believed to be weak. Therefore, an attempt should be made to recover station DAMP, 1952 and give measurements to the mean high water line, as this will strengthen the position of the island.

The identification of station DAMB, 1952 on a field ratio (or a sub-point) should be done.

PHOTOGRAMMETRIC OFFICE REVIEW

T-TP-00179

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1. PROJECTION AND GRIDS RES	2. TITLE RES	3. MANUSCRIPT NUMBERS RES	4. MANUSCRIPT SIZE RES
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS None
8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT Bridge- W.O.	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHN	15. BRIDGES None
16. AIDS TO NAVIGATION CHB	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB		21. NATURAL GROUND COVER CHB	22. PLANETABLE CONTOURS X
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS None	28. BUILDINGS None	29. RAILROADS None	30. OTHER CULTURAL FEATURES None
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB		34. JUNCTIONS CHB	35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CHB
40. REVIEWER C.H. Bishop 11/13/70		SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr.	
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 10/15/71		SUPERVISOR A.C. Rauck, Jr.	
43. REMARKS Field edit applied from: Field edit ozalid, field ratio 69S(C)-9091 and cronapaque ratio 69E(P)-3331			

FIELD EDIT REPORT
TP 00179
GRAND ISLAND
PH 6902
LAKE BORGNE, MISSISSIPPI-LOUISIANA

52. ADEQUACY OF COMPILATION

Compilation was adequate considering no previous field inspection. Mud shoals and grass in water were confused in several places and is shown correct on the paper ozalid. Minor shoreline changes are delineated on photo 69S9091 and indexed on the field ozalid.

Both Grand Island and Grassy Island are entirely marsh, under water at high tide. Color changes show lighter or darker shades of grass in various stages of growth. The marsh extends to the high water line along the entire perimeter of the island. The few high spots, built up from sand and grass, do shift and cannot be considered fast ground.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

The name GRAND ISLAND was investigated extensively with no definitive results. Local residents contacted included the men listed below among others. All stated that the island was known as Grand Island, Half Moon Island, as well as Big Grassy Island; with no name preferred. Because the charted name has been Grand Island and relative nautical features so named, such as passes, channels and Coast Guard aids, it is recommended that GRAND ISLAND be retained.

The following were among those contacted:

Charles Breath of Bay St. Louis, boat dealer and resident
of area for 66 years

Tally Raborn of Waveland, Exec. Director Hancock Co. Chamber
of Commerce and resident for 50 years

Tom Geigler of Bay St. Louis, Hancock Co. Port and Harbor
Comm. and resident of area for 58 years

57. LANDMARKS AND AIDS TO NAVIGATION

There were no landmarks and one aid to navigation located by theodolite cuts from triangulation stations; the supporting calculations were retained and will be forwarded with hydro-support material.

58. ADDITIONAL INFORMATION

Two sub points, Sub Pt. A on Grand Island and Sub Pt. B on Grassy Island, were photo identified on photos 69S9091 and 69E3331 respectively, and then located by ground methods. Supporting calculations are included with this report. All corrections to the manuscript were made in violet ink on the photographs or on the ozalid and all changes were indexed on the field ozalid. Four triangulation stations were recovered and a form 526 submitted for each.

Respectfully submitted,

Roger P. Hewitt

Roger P. Hewitt August, 1971
LTJG/NOAA
Chief, Photo Party 61

[illegible]

RESPONSIBLE PERSONNEL			
TYPE OF ACTION	NAME	TITLE	
1. Objects inspected from seaward	Roger P. Hewitt	<input type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR	
2. Positions determined and/or verified		FIELD INSPECTOR	
	Roger P. Hewitt	FIELD EDITOR	
	A. L. Shands	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION

AND

FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

F — Field

1. Triangulation

2. Traverse

3. Intersection

4. Resection

a. Theodolite

b. Planetable

c. Sextant

P — Photogrammetric

1. Field identified

2. Theodolite

3. Planetable

4. Sextant

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

* U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG. #6

[illegible]

REVIEW REPORT TP-00179

SHORELINE

FEBRUARY 21, 1974

61. GENERAL STATEMENT:

See Summary which is page six (6) of this Descriptive Report.

An ozalid comparison print, showing differences noted in Par. 62 and 64 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-9791, 1:20,000 scale, dated 1956. Significant differences were shown in blue in the comparison print.

Control points used for the comparison were projection line intersections and Stations MOON and ARK.

It is apparent that both islands have eroded away from 10 to 50 meters on all sides, and more in places.

TP-00179 supersedes previous topographic surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadangle GRAND ISLAND PASS, MISS. - LA., 1:24,000 scale, dated 1956. This quadrangle was copied from T-9791; therefore, differences are the same.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for Survey H-9200, 1:20,000 scale, and H-9262, 1:10,000 scale, both date 1971. No differences in shoreline were noted. Several soundings on the southeast side of Half Moon Island (H-9200) are plotted on the mean high water line. The shoreline cannot be moved photogrammetrically, using the 1969 photographs. It is possible that the shoreline may have receded some between the time of photography and the time of hydrography.

The same explanation goes for two soundings on the west side of Grassy Island.

These differences were shown on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with charts 1268, 1:80,000 scale 15th Edition, dated December 30, 1972, and 878-SC, 1:40,000 scale, 7th Edition, dated August 7, 1968. No differences between chart 878-SC and TP-00179 were noted. On Chart 1268, the names Grand Island and Grand Island Pass are still used for Half Moon Island and St. Joe's Pass.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

Jeffrey 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

89° 29' 00" $x=2,585,000$ FT.

28' 30"

28'

30° 10' 00"

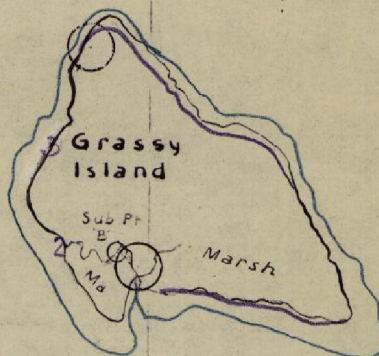
550,000 FT.

28

09' 30"

PASS
O GRAND ISLAND LIGHT 3,1971

69E (P) 3331



$y=545,000$ FT.

09'

COMPARISON PRINT

Blue = T-9791

Purple = H-9262

TP-00179

1:10,000

26'30"

Pokey Dut
29

89° 26'00"

Marsh islets

Pier
rungs

Ma

Ma

Ma

Ma

08'30"

69 S(c) 9091

MOON
ARK 1934

Ma

Ma

Ma

Ma

Ma

Gamblers Bend

Ma

Ma

Ma

Ma

Ma

Ma

Ma

092

CHUCK 1966

H A L F

COMPARISON PRINT

BLUE - T-9791

PURPLE - H-9200

TP-00179

1:10,000

30° 07'30"

25'30"

89° 25' 00"

30

30°09'30"

c h

Ma

69 S (C) 9090

STEW 1966

Ma

Gauthier Bayou

Ma

Ma

Ma

08'30"

1903

Ma

Ma

Ma

Ma

Ma

Ma

Ma

Ma

Ma

COMPARISON PRINT

Blue = T-9791

Purple = H-9200

30°08'00"

TP-00179

1:10,000