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-5902  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: 

© U.S. GOVERNMENT PRINTING OFFICE: 1973-781-778
MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION
## Descriptive Report - Data Record

**TP-00179**

**Project No. (III):**
PH-6902

**Chief of Party:**

**Office-IN-CHARGE:**
Alfred C. Holmes, Director, AMC

**Instructions Dated (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:**

**Geographic Datum (III):**
N.A. 1927

**Reference Station (III):**
CHUCK, 1966

**LAT.:**
30° 07' 50.540'' (1556.2M)

**LONG.:**
89° 26' 49.835'' (1333.9M)

**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.
**DESCRIPTIVE REPORT - DATA RECORD**

**TP-00179**

**FIELD INSPECTION BY (III):**

None

**DATE:**

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**

Air Photo Compilation - Nov. 15, 1969 date of Photography.

**DATE:**

**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):**

**PHANIMETRY**

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

**TP-00179**

**Camera (Type or Source)**: Wild RC-8 "S"

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>69S(C)-9089 thru 9092</td>
<td>Nov. 15, 1969</td>
<td>09:37</td>
<td>1:20,000</td>
<td>0.8 Ft. above MLW</td>
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<tr>
<td>69E(C)-3331-3332</td>
<td>Nov. 15, 1969</td>
<td>11:56</td>
<td>1:40,000</td>
<td>0.1 Ft. above MLW</td>
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**Tide**: Diurnal

<table>
<thead>
<tr>
<th>Reference Station: Pensacola, FL</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tbody>
<tr>
<td>1:3</td>
<td>1.6</td>
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<td></td>
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**Subordinate Station**: Bay St. Louis, MS

**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 (iii)**:  
**Recovered**:  
**Identified**:  

**Number of Recoverable Photo Stations Established (iii)**: None

**Number of Temporary Photo Hydro Stations Established (iii)**: None

**Remarks**:  

---

USCO MM-DC 36399C-P66
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>Nov., 1970</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field edit applied compilation complete</td>
<td>Oct., 1971</td>
<td>Superseded</td>
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<tr>
<td>Final Review</td>
<td>Feb., 1974</td>
<td></td>
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</tbody>
</table>
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 MARTELL, 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 sheathing. 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.
and it is understood that the photo mission had left the area by then. Four stations were marked Friday, November 14th. They are ANCH, BANK, STAR, and CHIL, 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 aeroetriangulation 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.
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,

[Signature]

Donald M. Brant

Approved and forwarded,

[Signature]

Henry F. Eichert

Chief, Aerotriangulation Section
## Lake Borgne, La. - Miss. Closures to Control (Feet)

<table>
<thead>
<tr>
<th>Strip 1</th>
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<th></th>
</tr>
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<tbody>
<tr>
<td>Bilox Bayou 2, 1966</td>
<td>+1.3</td>
<td>-1.4</td>
</tr>
<tr>
<td>Blind A2, MK, 1966</td>
<td>-2.2</td>
<td>+5.4</td>
</tr>
<tr>
<td>John 2, 1966</td>
<td>+1.3</td>
<td>+5.6</td>
</tr>
<tr>
<td>Door Pt. 2, 1952</td>
<td>+1.2</td>
<td>+1.5</td>
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<table>
<thead>
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<th>Strip 2</th>
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<tbody>
<tr>
<td>Enid, 1966</td>
<td>-0.2</td>
<td>+0.8</td>
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<tr>
<td>Bilox Bayou 2, 1966</td>
<td>+1.6</td>
<td>-1.1</td>
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<tr>
<td>Sub. Sta. St. Malo, 1934</td>
<td>-2.5</td>
<td>+0.7</td>
</tr>
<tr>
<td>Hopedale 2, 1966</td>
<td>+1.0</td>
<td>-0.4</td>
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<table>
<thead>
<tr>
<th>Strip 3</th>
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<tr>
<td>Sub. Sta. Violet 2, 1966</td>
<td>-3.5</td>
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<tr>
<td>*Yscloskey Gas Co. Mast, 1966</td>
<td>-6.1</td>
<td>+5.2</td>
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<tr>
<td>*Miss. River Gulf Outlet Lt. 107, 1966</td>
<td>+7.8</td>
<td>-4.6</td>
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<tr>
<td>*Miss. River Gulf Outlet Lt. 108, 1966</td>
<td>+6.7</td>
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<tr>
<td>Luce, 1934</td>
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<tr>
<td>*Yscloskey Munic. W.T. 1966</td>
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<td>-3.6</td>
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<td>Sub. Sta. St. Malo, 1934</td>
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<td>-2.7</td>
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<td>-0.5</td>
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<td>*Yscloskey Munic. W.T. 1966</td>
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<td>+4.2</td>
</tr>
<tr>
<td>*Lt. 107</td>
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<td>+2.9</td>
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<tr>
<td>Luce, 1934</td>
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<td>+2.0</td>
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<td>*Yscloskey Gas Co. Mast, 1966</td>
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<tr>
<td>Chalmettes, 1966</td>
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<td>Sub. Sta. Hopedale 2, 1966</td>
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<td>*Shell Beach Radio Mast</td>
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<td>*Lt. 108</td>
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<td>Sub. Sta. Violet 2, 1966</td>
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<td>-2.1</td>
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<td>*Miss. River Gulf Outlet Lt. 103, 1966</td>
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<td>*Miss. River Gulf Outlet Lt. 104, 1966</td>
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<td>Chalmettes, 1966</td>
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<td>*Venetian Isle W.T. 1966</td>
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<td>-2.5</td>
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<tr>
<td>*Venetian Isle Microwave Tower, 1966</td>
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<td>+6.0</td>
</tr>
<tr>
<td>Rigg, 1934</td>
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<td>+0.4</td>
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<tr>
<td>*Tenn. Gas Pipeline Co. Radio Mast, 1959</td>
<td>-0.6</td>
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<td>Sub. Sta. Tenn. Gas Pipeline Co. Radio Mast, 1959</td>
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<td>Sub. Sta. Folger, 1966</td>
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<td>Sub. Sta. Venetian Isle W.T. 1966</td>
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<td>Station</td>
<td>x</td>
<td>y</td>
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<tr>
<td>---------------------------------------------</td>
<td>------</td>
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<td>Sub. Sta. West, 1954</td>
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<tr>
<td>*Bay St. Louis W.T. 1931</td>
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<td>-5.9 (O.I.)</td>
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<td>*Folger RM 2, 1966</td>
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**Strip 6**

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<td>Sub. Sta. Venetian Isle W.T. 1966</td>
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<td>-1.9</td>
</tr>
<tr>
<td>Rigg</td>
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<td>*Pearl RM 1, 1931</td>
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<td>Sub. Sta. Folger, 1966</td>
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**Strip 7**

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<tr>
<td>John 2, 1966</td>
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<td>Grand Pass 3, 1966</td>
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<td>Enid, 1966</td>
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**Strip 8**

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<tr>
<td>Sub. Sta. A Proctor Pt. 3, 1952</td>
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**Strip 9**

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<tr>
<td>Sub. Sta. Herbes, 1931</td>
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**Strip 10**

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<tr>
<td>*Pearl RM 1, 1931</td>
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<td>-2.1</td>
</tr>
<tr>
<td>Log, 1958</td>
<td>0.0</td>
<td>0.0</td>
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<tr>
<td>Sub. Sta. Aaron, 1935</td>
<td>0.0</td>
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</table>

*Stations not used in the strip adjustment.
(O.I.) Office Identified natural objects.
AEROTRIANGULATION SKETCH
LAKE BORGNE, LA-MISS.
JOB PH-6902
MARCH, 1970

Horizontal Control
1. S.P. Herbes, 1931
2. S.P. Folger, 1936
3. Chalonette, 1966
4. S.P. Violet, 1966
5. S.P. Venetian Isle W.T., 1966
6. S.P. Proctor Pt., 1952
7. Luce, 1934
8. S.P. Hopedale, 1936
9. S.P. St. Malo, 1934
10. Biloxi Bayou 2, 1966
11. Rigg, 1934
12. Pearl R.M. 1, 1931
13. Log, 1950
14. S.P. Aaron, 1935
16. Chuck, 1966
17. Stew, 1966
18. Blind Az. ML, 1966
19. John 2, 1966
20. Grand Pass 3, 1966
21. Door Pt. 2, 1952
22. Enid, 1966
23. S.P. West, 1954

1:160,000 scale pan. photography
1:20,000 scale color photography
### Descriptive Report Control Record

**MAP T-** TP-00179  
**PROJECT NO.** PH-6902  
**SCALE OF MAP** 1:10,000  
**SCALE FACTOR**

<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 FT. = 304.8000 meter)</th>
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</thead>
<tbody>
<tr>
<td>STEW, 1966</td>
<td>GP 300892 Pg. 1129</td>
<td>NA</td>
<td>30° 08' 42.049&quot;</td>
<td>1294.8 (552.7)</td>
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<tr>
<td>CHUCK, 1966</td>
<td>GP 300892 Pg. 1128</td>
<td>1927</td>
<td>30° 07' 50.540&quot;</td>
<td>223.7 (1382.1)</td>
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<tr>
<td>ARK, 1934</td>
<td>GP 300892 Pg. 1002</td>
<td>1927</td>
<td>30° 08' 25.609&quot;</td>
<td>1333.2 (272.1)</td>
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<tr>
<td>MOON, 1909</td>
<td>GP 300892 Pg. 1003</td>
<td>NA</td>
<td>30° 08' 26.026&quot;</td>
<td>788.6 (1059.0)</td>
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<td></td>
<td></td>
<td>1927</td>
<td>89° 26' 00.666&quot;</td>
<td>53.0 (1552.9)</td>
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</table>

**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
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(P) 3331 - 3332.

The area of Half Moon Island was a separate radial plot of photos 69S(C):9090: thru -9092, holding paneled 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 646(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 high-water 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 W. Bishop

B. Wilson
Cartographic Technician
August 23, 1970

Approved for forwarding:

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

Approved:

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

FINAL NAME SHEET

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

TP-00179

Gamblers Bayou
Gamblers Bend
Gassy Island
Gauthier 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 DAMP, 1952 on a field ratio (or a sub-point) should be done.
## PHOTOGRAMMETRIC OFFICE REVIEW

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### CONTROL STATIONS

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<tr>
<th>5. Horizontal Control Stations of Third-Order or Higher Accuracy</th>
<th>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic stations)</th>
<th>7. Photo Hydro Stations</th>
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### Alongshore Areas (Nautical Chart Data)

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### Cultural Features

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<th>31. Boundary Lines</th>
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### Miscellaneous

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<tr>
<th>33. Geographic Names</th>
<th>34. Juncions</th>
<th>35. Legibility of the Manuscript</th>
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### Reviewer

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<tr>
<th>Reviewer</th>
<th>Supervisor, Review Section or Unit</th>
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<tr>
<td>C.H. Bishop</td>
<td>A.C. Rauck, Jr.</td>
</tr>
<tr>
<td>11/13/70</td>
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### 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
**Charting Name**: Grand Island Pass Light 

**Description**: Light 3

<table>
<thead>
<tr>
<th>Datum</th>
<th>Latitude</th>
<th>Longitude</th>
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<td>30 09</td>
<td>30.93 958</td>
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<td>39 28</td>
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- **Method and Date of Location**
  - Field Location: F.3.a
  - Date: 8/17/71
  - Chart Affected: 878SC 1268

- **Aid appears on TP-00045**
### Instructions for Method and Date of Location Section

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<th>Field No.</th>
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<tr>
<td>1. New Position Determined: Enter the applicable date by symbols as indicated below. Identify the object. Applicable to office identified and located objects only. Enter the number and date of the photograph used to.</td>
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</tr>
<tr>
<td>2. Positions determined by field observations based entirely upon ground control. Photogrammetric Positions are dependent entirely, or in part, upon control established by photogrammetric methods.</td>
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<tr>
<td>COLUMN TITLE</td>
<td>TYPE OF ENTRIES</td>
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<tr>
<td>Review Group and Final Review Activities</td>
<td>1. Obliques Inferred from Seaward</td>
</tr>
<tr>
<td>Conformance</td>
<td>2. Positions determined and/or verified</td>
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<tr>
<td>Field Editor</td>
<td>3. Forms originated by Quality Control and</td>
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<td>Field Inspector</td>
<td>4. Forms reviewed by Quality Control and</td>
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### Examples:

- **A. T.** 36N-120-4245
- **B. T.** 36N-120-4245
- **P. T.** 36N-120-4245
- **P.** 36N-120-4245
- **P.** 36N-120-4245
- **P.** 36N-120-4245

**NOTE:** Photogrammetric Positions are dependent entirely, or in part, upon control established by photogrammetric methods.

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<tr>
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<tr>
<td>Field Inspector</td>
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The following objects have (_have been) inspected from seaward to determine their value as landmarks:

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<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
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<th>LONGITUDE</th>
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<tbody>
<tr>
<td>LIGHT</td>
<td>Grassy Island Light, 1966</td>
<td>30°09'.5</td>
<td>89°28.3'</td>
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JOB NUMBER: 6902
SURVEY NUMBER: TP-00179
STATE: Louisiana
DATUM: N.A.1927
METHOD AND DATE OF LOCATION: (See instructions on reverse of this form)

CHARTS AFFECTED: 1268 8783C
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 Quadeangle 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
Cartographer

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