

7013 a-b

Graphic Control

Diag. Cht. No. 1267

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Graphic Triangulation

Field No. "S" & "T" Office No. 7013 a-b

### LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Cat Island & Ship Island

194 6

CHIEF OF PARTY

Ross A. Gilmore

LIBRARY & ARCHIVES

DATE July 3, 1946

B-1870-1 (1)

7013 a-b

Graphic Control

on  
Diag 1267

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

17013a

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. ....

Field No. S .....

Scale 1:40,000 .....

State Mississippi ..... General locality Mississippi Sound .....

Specific locality Cat Island .....

Dates: Survey began 12Feb46 ..... Completed 18 March 1946 .....

Photography....., Supplemented by ground surveys to .....

Project No. Ph-1 (45) ..... Instructions dated 7Dec45; 28Dec45; 5Jan46; 31Jan46 .....

Vessel } or Shore Party ..... Chief of party Edmund L. Jones .....

Field work by E. H. Taylor ..... Office work by E. H. Taylor & Frank J. Lesslie .....

Final inking by I. I. Saperstein .....

Ground elevations } in feet above { M. H. W.  
Treetop elevations } or { .....

Contours } by { Planetable } Interval ..... ft.  
Approximate contours } Multiplex }  
Form lines }

REMARKS .....

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

T7013b

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. ....

Field No. **T** .....

Scale **1:40,000** .....

State **Mississippi** ..... General locality **Ship Island** .....

Specific locality .....

Dates: Survey began **15 Feb 46** ..... Completed **15 Feb 46** .....

Photography....., Supplemented by ground surveys to .....

Project No. **Ph-1 (45)** ..... Instructions dated **7Dec45; 28Dec45; 5Jan46; 31Jan46.**

Vessel } or **Shore Party** ..... Chief of party **Edmund L. Jones** .....

Field work by **E H Taylor** ..... Office work by **E H Taylor & F J Lesslie** .....

Final inking by **I I Saperstein** .....

Ground elevations } in feet above { M. H. W.  
Treetop elevations } or { .....

Contours } by { Planetable } Interval ..... ft.  
Approximate contours } Multiplex }  
Form lines }

REMARKS .....

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET FIELD LETTERS "S" & "T"

PROJECT: Ph-1(45)      DATE OF INSTRUCTIONS: 7Dec45; Sup. 1 28Dec45;  
Sup. 2, 5Jan46; Sup.3, 31Jan46.

DATUM: N A 1927      DATE OF FIELD WORK: 12Feb46 - 18Mar46

PURPOSE: To locate existing aids to navigation and make major topographic revisions of the shoreline and adjacent detail.

METHODS: The following permanent fixed aids to navigation were located with 3rd order accuracy.

Gulfport Channel Outer Range Rear Light. This aid was first located by a three-point fix on triangulations stations Biloxi Lighthouse, 1855 Ship Island water tank, 1921 and Chandeleur Lighthouse, 1910 with a check angle to Ship Island Lighthouse, 1902. The agreement between the computed and observed check azimuth was not satisfactory.

The aid was then located by a short unclosed traverse from Ship Island Lighthouse, 1902 with a check angle to Ship Island Water tank, 1921 at the unclosed end. The agreement between the computed and the observed check angle was not what was desired. However, the agreement between the geographic positions as located by the two methods was satisfactory.

It is recommended that the positions obtained from the traverse be accepted.

The taping was horizontal with a 100 foot field standardized tape. A tension of 12 kilograms was used. Temperature was taken on each full tape length.

The observation for the three-point fix is recorded in Vol. 8, pages 29-30. The observations for the traverse are recorded in Vol.10, pages 38 - 40. The taping for the traverse is recorded in TRAVERSE MEASUREMENTS, Project Ph-1(45) Vol, 1 pages 1-2.

Gulfport Range Rear Light, which is on the side of the triangulation station Gulfport Grocery Co., tank, 1930, was located by an angle and distance from that station. The observations are recorded in Vol. 4, page 39.

The positions of all fixed aids to navigation formerly located by triangulation were verified by planetable cuts before using as ~~on~~ control on these sheets.

All existing non-permanent fixed aids to navigation were located on these sheets by three or more planetable cuts.

All existing floating aids to navigation were located on these sheets by three-point sextant fixes with check angles.

There were no aerial photographs for the area covered by these sheets, except Gulfport harbor which was field inspected on photograph 45-C-2879. There are no planimetric maps for the area covered by these sheets. A visual check was made on Chart 1267 for major topographic changes.

Where the shoreline was field inspected and shown on the photographs it has been made with an accuracy of 0.5 millimeter of true position.

HORIZONTAL CONTROL: Triangulation stations not needed in the course of work on this project have not been plotted on the sheets in accordance with the instructions.

The following recovery notes are submitted for the stations recovered during the field work:

Ship Island, water tank, 1921  
 Ship Island Lighthouse, 1902  
 Gulfport, Mississippi Power Co., Stack, 1910  
~~Chandeleur Lighthouse, 1910~~  
 Gulfport, West Pier, water tank (U.S. Navy), 1943  
 Gulfport, Great Southern Land Co., tank, 1930  
 U.S. Hospital No. 74, Stack, 1930  
 Gulfport, Channel Beacon No. 6, 1943  
 Gulfport, Channel Beacon No. 8, 1943  
 Gulfport, Channel Beacon No. 10, 1943  
 Biloxi, Channel Beacon No. 2, 1935  
 Biloxi, Channel Beacon No. 4, 1935  
 Biloxi, Channel Beacon No. 6, 1935  
 Biloxi, Channel Beacon No. 8, 1935  
 Biloxi, Channel Beacon No. 10, 1935  
 Edgewater Gulf Hotel, dome, flagpole, 1930  
 Biloxi Lighthouse, 1855

The following recovery cards are submitted for triangulation stations which were determined as being lost.

Gulfport, Channel Beacon 2, 1943  
 Gulfport, Channel Beacon 4, 1943

LANDMARKS: A complete landmark inspection was made for the area covered by these sheets.

The position of all landmarks are shown on the sheets.

Landmarks have been reported on form 567 by areas in accordance with instructions, and are submitted in Special Report, Project Ph-1(45), New Orleans, La. - Biloxi, Miss. Area.

GEOGRAPHIC NAMES: No systematic investigation of geographic names was required. New Names and discrepancies with existing charted names obtained during the course of field work has been made the subject of a special report and submitted by areas. These sheets are covered in Special Report, Project Ph-1(45), New Orleans, La. - Biloxi, Miss. Area.



BRIDGES: There are no bridges on this sheet.

COAST PILOT: Coast pilot additions and corrections were obtained during the course of the field work and are submitted in Special Report, Project Ph-1(45), New Orleans, La. - Biloxi, Miss. Area.

DISCREPANCIES: AIDS TO NAVIGATION: Discrepancies, noted in the field, with the published descriptions of aids to navigation in the Light List or on Nautical Charts in the area covered were reported by letter to the Director in accordance with instructions. A copy of this report is attached in back.

The following aids to navigation formerly located by triangulation and within the area covered by these sheets have been rebuilt since the date of location:

Gulfport Channel Light 2 (Gulfport Channel Beacon No. 2, 1935)  
Gulfport Channel Light 4 (Gulfport Channel Beacon No. 4, 1935)

MAJOR TOPOGRAPHIC CHANGES: The only major topographic change, significant on a 1:40,000 scale chart, noted in the field, is a dock approximately 400 meters west of Ship Island Lighthouse. It was located by sextant angles and plotted on the sheet. These angles are recorded in Vol. 2, Page 38.

MAGNETIC MERIDIAN: There is no magnetic meridian drawn on these sheets because there was local attraction at all stations occupied.

Respectfully submitted

E. H. Taylor  
E. H. Taylor  
Engr. Aid.

Approved and Forwarded, *RV*

Ross A. Gilmore  
Ross A. Gilmore  
Chief of Party.

*Special Report filed in Nautical  
Charts. Letter 224 (1946)*



DISCREPANCIES IN DESCRIPTIONS  
AIDS TO NAVIGATION  
NEW ORLEANS, LA. to BILOXI, MISSISSIPPI  
Project Ph-1 (45)  
4 March 1946

Letter 138 (1946)

AID TO NAVIGATION LOCALITY	LIGHT LIST PAGE*	SHOWN ON CHART NO.	CHECKED IN FIELD	LAT. LONG. O	REMARKS
<u>MISSISSIPPI SOUND</u>					
Gulfport Range Front	506	1267 1268	26Feb46 EHT	30-21.4 89-05.3	In existence, charted listed, yellow slats on blackpole. (listed as black pole)
FLW "1"	-	1267 1268	27Feb46 EHT	30-16.7 89-04.5	Non-existent, not listed, charted.
<u>WEST BANK</u>					
C5	-	1267	28Feb46 EHT	30-13.5 89-01.6	Non-existent, not listed, charted.
C3	-	1267	28Feb46 EHT	30-12.3 89-02.2	
C1	-	1267	28Feb46 EHT	30-11.0 89-04.0	
(FLR) Bell 26, C25, N28, FLW29, N30, N32.	-	1267	15Feb46 EHT	30-11.3 88-59.0 30-12.4 88-59.0	In existence, charted to not listed in either Light List.
C27	-	1267	15Feb46 EHT	30-11.5 88-59.0	Non-existent, not listed, charted.
SHIP ISLAND PASS Buoys 3, 4, 6, 8.	787	-	15Feb46 EHT	30-12.0 88-59.0	Non-existent, listed not charted.
SHIP ISLAND BAR CHANNEL: Buoys (FLW) whistle 1, N2, C3, N4, C5, N6, (FLW) 7, N8, C9, N10, C11, N12, (FLW) 13, N14, C15, N16, C17, N18, (FLW) 19, N20, C21, N22, C23, N24.	-	1267	15Feb46 EHT	30-08.0 88-56.5 to 30-11.0 88-59.3	In existence, charted not listed. The num- bers on a few of the buoys have been obl- erated. The greater part do agree with the chart.
<u>WEST BANK</u>					
Can (no number)	-	-	28Feb46 EHT	30-13.0 89-03.1	In existence, not listed, not charted
<u>MISSISSIPPI SOUND</u>					
Ship Island Pass Lighted Bell Buoy 2	470 504 (3565)	-	28Feb46 EHT	30-11.4 88-59.3	Non-existent, not charted, listed. Not to be confused with Gulfport Channel Lt Buoy 2 (3817) and
Ship Island Pass Lighted Buoy 5	504 (3813)	-	15Feb46 EHT	30-11.6 88-59.3	Gulfport Channel Buoy 3 (3820), which has Ship Island. Sem Pt. Lt., respective and are in place.

\* 1945 Light List "Atlantic & Gulf Coast".

Copy chkd by T.M.L.



SURVEY NO. T 7013

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.