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Graphic Control

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7015 a

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey GRAPHIC TRIANGULATION

Field No. U Office No. 70152

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Cat Island

Project Ph-1(45)

1946

CHIEF OF PARTY

E.L. Jones - Ross A. Gilmore

LIBRARY & ARCHIVES

DATE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

T7015a Graphic Control

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. U

Scale 1:40,000

State Mississippi General locality Mississippi Sound

Specific locality Cat Island

Dates: Survey began 25 February 1946 Completed 20 March 1946

Photography _____, Supplemented by ground surveys to _____

Project No. Ph-1(45) Instructions dated 7Dec.45; 28Dec.45; 5Jan.46; 31Jan.46

Vessel } or Shore Party Chief of party E.L. Jones - Rose A. Gilmore

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

Final inking by Frank J. Lesslie

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 LETTER "U"

PROJECT: Ph-1(45)

DATUM: N A 1927

DATE OF INSTRUCTIONS: 7Dec45; 28Dec45; 5 Jan46; 31Jan46

DATE OF FIELD WORK: 25 Feb. - 20 March 1946

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

METHODS: There are no permanent fixed aids to navigation (steel or masonry structures) on this sheet requiring third-order triangulation location.

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

All existing non-permanent fixed aids to navigation were located on the sheet by three or more planetable cuts, except the following:

Cat Island Range Front Light - by three-point sextant fix with check angle.

Cat Island Range Rear Light - located by planetable cut and taped distance from Cat Island Range Front Light.

The field observations for the location of these aids is in Field Observation Record, Vol. 4, page 33.

All existing floating aids to navigation were located on sheet by three-point sextant fixes with check angles, except the following which were located by planetable cuts:

Marianne Channel lighted buoy 7
Pass Marianne lighted buoy 4

The field observations for buoys located by sextant fixes are in Field Observation Records as follows: Vol. 4, pages 26-46; Vol. 8, pages 36-51.

There were no aerial photographs for the area covered by this sheet. A visual check was made on planimetric map No. T-5325 for major topographic changes as required by the instruction. The remainder of the sheet was not covered by planimetric maps.

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

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

Merril Shell Bank Light, 1903 (lost)
 Cat Island Lighthouse, 1903
 Merrill Cocuille Light, 1934
 Pass Christian Light No. 2, 1934
 Pass Christian Light No. 1, 1934
 Pass Christian Light No. 4, 1934 (lost)
 Long Beach, Water tank, 1930
 Pass Christian, Grey Castle Hotel tank, 1930
 Henderson, 1917
 Henderson, Ecc., 1930
 Bay St. Louis, municipal water tank, 1931
 Pass Christian, Inn by the Sea, tank, 1931
 Gulfport, Mississippi Power Co., Stack, 1910
 Gulfport, West Pier, water tank (U.S. Navy), 1943
 Gulfport, Great Southern Land Company, Tank, 1930

VERTICAL CONTROL: Recovery of vertical control was not required.

LANDMARKS: A complete landmark inspection was made for the area covered by this sheet.

The positions of new landmarks recommended for charting and listed on form 567 are shown on the sheet.

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 were obtained during the course of field work has been made the subject of a special report and submitted by areas. This sheet is 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: The discrepancies as listed on the sheet attached to this report (in back) were noted in the field with the published descriptions of aids to navigation in the Light List or on Nautical Charts in the area covered and were reported to the Director in accordance with instructions.

TOPOGRAPHIC CHANGES: There were no major topographic changes in the area covered by this sheet for the topography shown on planimetric map No. T-5325. Neither were there any major topographic changes that would be significant on a 1:40,000 scale chart.

Approved and Forwarded:

Dale E. Sturmer
 Dale E. Sturmer, Ch. of Subparty

Ross A. Gilmore
 Ross A. Gilmore, Ch. of Party.

Respectfully submitted

Edward H. Taylor
 Edward H. Taylor
 Engineering Aid

Special Report filed in
 Industrial Charts, Letter 224 (1946)

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

Chart letter
172 (1946)

AID TO NAVIGATION LOCALITY	LIGHT LIST PAGE	SHOWN ON CHART NO.	CHECKED IN FIELD	LAT. LONG. o ' "	REMARKS
<u>MISSISSIPPI SOUND</u>					
Grand Island Channel Buoy 15	173	-	14Mar46 EHT	30-10.6 89-18.2	Non-existent, listed, not charted
Grand Island Channel Buoy 14	173	1268	do.	30-10.7 89-20.0	Non-existent, listed, charted.
Grand Island Channel Buoys S1, S3, S5, S6, S7, S9, S10, S11, S12, S13	173	-	do.	30-10.6 89-18.2 30-10.7 89-20.0	In existence, listed, not charted except by Note: "Marked by inter- mediate aids".
Marianne Channel Buoys 14, 19, 35	172	-	do.	30-12.8 89-15.0 30-10.6 89-18.2	Non-existent, listed, not charted
Marianne Channel Buoy 15	172	1268	do.	30-12.5 89-15.2	Non-existent, listed, charted.
Marianne Channel Buoy 12	172	-	do.		In existence, listed, not charted
Marianne Channel Buoys S8, S11, S18, S20, S22, S23, S24, S26, S30, S31, S32, S34, S36, S38.	172	-	do.	30-12.8 89-15.0 30-10.6 89-18.2	In existence, listed, not charted except by Note: "Marked by inter- mediate aids".
Cat Island Buoy 5, 7.	788*	1268	8Mar46 EHT	30-14.0 89-07.1 30-14.2 89-07	Non-existent, listed, charted.
Cat Island Beacon	172	1268	15Mar46 EHT	30-13.9 89-09.7	Listed as beacon Charted as tower.
<u>PASS MARIANNE</u>					
Buoy 4, 9A, 9B	788*	-	4Mar46 EHT	30-15.4 89-13.0 30-14.2 89-14.8	Non-existent, listed, not charted
Buoy 6, 8	174	-	4Mar46 EHT	30-14.5 89-14.6 30-14.5 89-14.8	In existence, listed, not charted.
Buoy 2A	506*	-	6Mar46 EHT	30-14.5 89-14.0	Non-existent, listed, not charted.

* 1945 Light List "Atlantic & Gulf Coast"

Copy chkd by T.M.T.

7015 b

Graphic Control

Diag. ch. No. 1268-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Graphic Triangulation

Field No. V Office No. 7015b

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality St. Louis Bay

Project Ph-1(45)

1946

CHIEF OF PARTY

E.L. Jones - Ross A. Gilmore

LIBRARY & ARCHIVES

DATE July 3, 1946

B-1870-1 (1)

7015 b

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

T7015b

Graphic Control

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. V

Scale 1:20,000

State Mississippi General locality Mississippi Sound

Specific locality St. Louis Bay

Dates: Survey began 11 February 1946 Completed 23 February 1946

Photography _____, Supplemented by ground surveys to _____

Project No. Ph-1(45) Instructions dated 7Dec.45; 28Dec.45; 5Jan.46; 31Jan.46

Vessel } or Shore Party Chief of party E.L. Jones - Ross A. Gilmore
Party }

Field work by H.C. Murphy Office work by H.C. Murphy

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 LETTER "V"

PROJECT: Ph-1(45)

DATUM: NA 1927

DATE OF INSTRUCTIONS: 7Dec45; 28 Dec45; 5 Jan46; 31Jan46

DATE OF FIELD WORK: 11 -23 February 1946

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

METHODS: There are no permanent fixed aids to navigation (steel or masonry structures) on this sheet requiring third-order triangulation location.

There are no fixed aids to navigation formerly located by triangulation in the area covered by this sheet.

All existing non-permanent fixed aids to navigation were located on the sheet by three or more planetable cuts, except Jourdan River Beacon 5 which was located by two planetable cuts and checked with sextant angle at the aid. This angle is recorded in Field Observations Record Vol. 8 , Page 4 .

There are no floating aids to navigation in the area covered by this sheet.

There were no aerial photographs or planimetric maps for the area covered by this sheet.

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

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

St. Louis, 1931
Bay St. Louis, Church Bell Tower, 1909
Bay St. Louis, St. Stanislaus College, Highest Cupola, 1909
Henderson, Eccentric, 1931
Pine Hills, 1931
Pass Christian, Inn by the Sea, tank, 1931
Bay St. Louis, Municipal tank, 1931

VERTICAL CONTROL: Recovery of vertical control was not required.

LANDMARKS: A complete landmark inspection was made for the area covered by this sheet.

The positions of new landmarks recommended for charting and listed on form 567 are shown on the sheet. Landmarks verified are also shown.

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 have been made the subject of a special report and submitted by areas. This sheet is covered in Special Report, Project Ph-1(45) New Orleans, La. - Biloxi, Miss. Area.

BRIDGES: The following discrepancies were noted in the field with the bridge data published in List of Bridges over Navigable Waters of the United States, edition of 1941:

St. Louis Bay - page 408 - Louisville and Nashville R.R. West channel span - horizontal clearance 74 feet instead of 76.8 feet as listed; vertical clearance 4.1 feet at 1530 April 2, 1946. East channel span - horizontal clearance 49 feet instead of 74. feet. This channel is obstructed by a low overhead cable when bridge is open. All traffic is directed to west span.

St. Louis Bay - page 408 - Hancock and Harrison counties (U.S. route 90 highway) West channel span 79 feet instead of 86; east channel span 71 feet instead of 80 feet. All traffic directed to west channel.

DISCREPANCIES: AIDS TO NAVIGATION: There were no discrepancies noted in the field with the published descriptions of the aids to navigation in the Light List or on Nautical Charts.

TOPOGRAPHIC CHANGES: The following major topographic changes were made in the field by stadia method and are shown on the sheet;

The area adjacent to Triangulation Station Pass Christian, Inn by the Sea, tank, 1931 has been filled in, a steel and concrete bulkhead and two docks constructed. In this immediate vicinity is the Pass Christian U. S. Maritime Commission Cadet training School.

MAGNETIC MERIDAN: No magnetic meridan was obtained on the sheet because no triangulation station was occupied that would not have local attraction.

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

Respectfully submitted

Herschel G. Murphy
Herschel G. Murphy
Photogrammetric Aid.

Approved and forwarded:

Dale E. Sturmer
Dale E. Sturmer, Ch. of Subparty
Ross A. Gilmore
Ross A. Gilmore, Chief of Party