

7016 a-b

Graphic Control

Diag. Cht. No. 1266² & 1267

Graphic Control

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Graphic Control

Field No. N & P Office No. 7016a+b

LOCALITY

State Mississippi & Alabama

General locality Mississippi Sound

Locality Dauphin Island & Petit Bois
Island

1946

CHIEF OF PARTY

E. L. Jones and Ross A. Gilmore

LIBRARY & ARCHIVES

DATE July 3, 1946

B-1870-1 (1)

Graphic Control

7016 a-b

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

T7016b

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. 7016b

Field No. P

Scale 1:30,000

State Mississippi General locality Mississippi Sound

Specific locality Petit Bois Island

Dates: Survey began 29 March 46 Completed 10 April 46

Photography _____, Supplemented by ground surveys to 7 Dec 45; Sup 1 28 Dec 45; Sup 2 5 Jan 46

Project No. Ph-1(45) Instructions dated Sup 3 31 Jan 46

Vessel } or Shore Chief of party ~~Edward L. Jones~~ - Ross A. Gilmore

Field work by R.R. Kim Office work by Frank J. Lesslie and R.R. Kim

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 _____

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. 70162 G.C.

Field No. N

Scale 1:30,000

State Alabama General locality Mississippi Sound

Specific locality Dauphin Island

Dates: Survey began 21 March 46 Completed 26 March 46

Photography....., Supplemented by ground surveys to 7Dec45; Sup 1 28Dec45; Sup 2 5Jan46
Sup 3 31Jan46

Project No. Instructions dated Sup 3 31Jan46

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

Field work by R.R. Kim Office work by Frank J. Lesslie and R.R. Kim

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

T70162

Topographic Control

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET FIELD LETTERS "N" & "P"

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: 21Mar46 - 10Apr46

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 these sheets requiring 3rd order triangulation location.

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

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

SHEET "P"

Petit Bois Island Light was located by two planetable cuts and a stadia distance.

SHEET "N"

As Bayou LaBatre Range Rear Light and Bayou LaBatre Range Front Light did not fall in the area covered by Sheet "N" an insert was made on the northwest corner of the sheet. The above lights were located on the insert by two planetable cuts and a sextant angle. A stadia distance was taken between the two lights as an additional check. These observations are recorded in Vol. 14, page 11.

All existing floating aids to navigation were located on Sheet "N" by three-point sextant fixes with check angles. These observations are recorded in Vol. 14, pages 1 to 9 inclusive.

All existing floating aids to navigation were located on Sheet "P" by three or more planetable cuts except the following which were located by three point sextant fixes with check angles:

Grand Batture Island Shoal Lighted Buoy
Pascagoula Channel Buoy 24
Pascagoula Channel Buoy 28
Pascagoula Channel Buoy 30

These observations are recorded in Vol. 14, page, 12 and 13.

There were no aerial photographs or planimetric maps for the area covered by these sheets. A visual check was made on Chart 1267 and changes are discussed under major topographic changes in this report.

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

The following recovery notes are submitted for only the stations recovered or searched for during the field work.

Pins 2, 1935
 Bayou Labatre Beacon No. 2, 1935
 Herb 3, 1935
 Isle Aux Herbes Beacon, 1935
 Mid 3, 1935
 Dauphin Island West Base, 1847
 Dauphin, 1935
 Bois, 1935
 Pascagoula River Entrance, Beacon B, 1935
 Sip, 1935
 Wet, 2, 1935
 Horn Island Lighthouse, 1910
 Lake, 1935
 Bayou Labatre Beacon No. 4, 1935
 Pascagoula Municipal Pier Flagpole, 1935

VERTICAL CONTROL: The recovery of vertical control was not required.

LANDMARKS: A complete landmark inspection was made for that part of this sheet covering the 1:40,000 scale Intracoastal Waterway charts.

There are no new landmarks recommended for charting. One already charted is recommended for deletion.

Landmarks have been reported on form 567 by areas in accordance with instructions, and are submitted in Special Report, Project Ph-1 (45), Biloxi, Miss. - Mobile Bay, Ala. Area. *Chart letter 239 (1946)*

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), Biloxi, Miss. - Mobile Bay, Ala. Area.

Chart letter 239 (1946)

BRIDGES: There were no bridges in the area covered by these sheets.

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), Biloxi, Miss. - Mobile Bay, Ala. Area. *Chart letter 239 (1946)*

DISCREPANCIES: AIDS TO NAVIGATION; The discrepancies as listed on the sheet attached to the back of this report, were noted in the field with the published description of aids to navigation in the Light List or on Nautical Charts in the area covered by these sheets and were reported by letter to the Director in accordance with instructions. *Chart letter 221 (1946)*

TOPOGRAPHIC CHANGES:

Sheet "N" - The shoreline at the western end of Dauphin Island has changed so as to be significant on a 1:40,000 scale chart and was delineated on the sheet by stadia methods.

The eastern end of Petit Bois Island has washed away, except for the extreme eastern tip which is now an island. The eastern end of Petit Bois Island proper is now about $1\frac{1}{2}$ miles to the westward.

The northeastern part of the small island that was once the eastern end of Petit Bois Island has been delineated by stadia methods on sheet "N", and is shown on chart section 4 by a solid red line. The remainder of the island which falls off the sheet has been sketched in on chart section 4 by a dashed red line. (Sheet "N" does not cover the area as indicated on the layout map.) *L, 239 (1946)*

The eastern end of Petit Bois Island has been sketched in on chart section 4, as it falls off the sheet.

It should be noted that triangulation station Bois, 1935 does not plot on chart 1267 at the eastern tip of Petit Bois Island but approximately one-half mile to the northward. The position of triangulation station Bois, 1935 as plotted on sheet "N" appears correct as no difficulty was encountered in obtaining a check orientation when the planetable was set up at the station. There is now no land area in the immediate vicinity of what is shown as the eastern tip of Petit Bois Island on chart 1267. In other words there is no land to southward of triangulation station Bois, 1935.

Sheet "P" - The eastern end of Horn Island has washed away, except for the extreme eastern tip which is now an island. The eastern end of Horn Island proper is now about one (1) mile to the westward. These changes were delineated on the sheet by stadia methods.

MAGNETIC MERIDIAN: The magnetic meridian was drawn on sheet "N" at triangulation station DAUPHIN, 1935 and checked at triangulation station DAUPHIN ISLAND WEST BASE, 1847.

MISCELLANEOUS: Two three-pile structures with small red box top are located approximately 720 meters northwest of triangulation station HORN ISLAND LIGHTHOUSE, 1910. They are not charted and are not listed in the Light List. They have the appearance of aids to navigation but no information could be obtained concerning them.

Submitted by

Robert R. Kim

Robert R. Kim
Photo. Aid

Approved and forwarded; *RS*

Ross A. Gilmore

Ross A. Gilmore
Chief of Party

Chart letter 221 (1946)

Sheets P & N

DISCREPANCIES IN DESCRIPTIONS
AIDS TO NAVIGATION
BILOXI, MISS. - MOBILE BAY, ALA.
Project Ph-1 (45)
17 April 1946

AID TO NAVIGATION LOCALITY	LIGHT LIST PAGE	SHOWN ON CHART NO.	CHECKED IN FIELD	LAT. LONG. ° '	REMARKS
<u>MISSISSIPPI SOUND</u>					
Pass Aux Herons			25Mar46	30-16.0	Non-existent, listed, not charted
Buoy 60	170	-	RRK	88-12.3	
Buoy 80	170	-	25Mar46 RRK	30-15.8 88-14.9	
Pass Aux Herons Buoys 52, 53, 54, 56, 61, 62, 64, 68, 69, 70, 72, 77, 76, 78, 82, 84, 85, 86, 88, 90.	170	-	25Mar46 RRK	30-16.1 88-11.3 30-15.7 88-16.0	In existence, listed, not charted on chart 1266 except to by note "marked by intermediate aids".
<u>PETIT BOIS PASS</u> Dauphin Island West End Wreck Beacon	785*	1267	22Mar46 RRK	30-13.3 88-18.3	Non-existent, listed, charted
<u>PASCAGOULA CHANNEL</u> Beacons 14, 15, 16	786*	1267	9Apr46 RRK	30-15.1 88-30.4	"
<u>BAYOU LA BATRE</u> CHANNEL Private Beacon	-	1267	22Mar46 RRK	30-22.5 88-16.4	Non-existent, not listed, charted.
<u>HORN ISLAND PASS</u> East Edge Dredging Range Front & Rear Beacons. West Edge Dredging Range Front & Rear Beacons.	786*	1267	9Apr46 RRK	30-13.5 88-29.8 (approx)	Non-existent, listed, not charted
<u>PASCAGOULA CHANNEL</u> Upper East Edge Dredging Range Front & Rear Bns. Upper West Edge Dredging Range Front & Rear Bns.	786*	-	9Apr46 RRK	30-15.4 88-31.5 (approx)	Non-existent, listed, not charted
**Three (3) Pile Structure Box Top	-	-	9Apr46 RRK	30-13.7 88-29.6	In existence, not listed, not charted
**Three (3) Pile Structure Box top	-	-	9Apr46 RRK	30-13.7 88-29.6	In existence, not listed, not charted

* Light List - Atlantic & Gulf Coast

**These structures have the appearance of Aids to Navigation but no information concerning them can be obtained.

Copy chkd by T.M.T.

NAUTICAL CHARTS BRANCH

SURVEY NO. T7016a

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.