

3303

Graphic Control

Additional work

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JUN 11 1935

Acc. No.

Form 504  
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Florida

DESCRIPTIVE REPORT

Topographic } Sheet No. K  
Hydrographic }

LOCALITY

St. Andrew Bay

West Bay Section

1935

CHIEF OF PARTY

Lieut. Wm. D. Patterson

Graphic Control

Additional work

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Additional work  
Graphic Control

TOPOGRAPHIC TITLE SHEET

T6305

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. T-6305

Field No. \_\_\_\_\_

Scale 1:20,000

State Fla. General locality Bay County

Specific locality West Bay

Dates: Survey began 30Jan46 Completed 4Feb46

Photography 18May45, Supplemented by ground surveys to 4Feb46

Project No. Ph-1(45) Instructions dated 7Dec45; Sup.1, 28Dec45; Sup.2, 5Jan46

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

Field work by B. Locke Office work by B. Locke

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 GEODESIC SURVEY

SYNOPTIC 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.

REGIONAL NO. T-6305

FIELD NO. \_\_\_\_\_

SCALE 1:20,000

State Florida General locality Bay county

Specific locality West Bay

Date of Survey begun 30Jan46 Completed 4Feb46

Photography 19May45, Supplemented by ground surveys to 4Feb46

Project No. Wh-1(46) Instructions dated 7Dec45; Jan. 1, 22Dec45; Jan. 2, 2Jan46

Vessel or Party Shore Party Chief of party Sup. 3, 31Jan46  
R. A. Jones

Field work by B. Locke Office work by B. Locke

Final inking by I. I. Sengstacke

Ground elevations \_\_\_\_\_ M. H. W.  
Transect elevations in feet or  
above

Contours \_\_\_\_\_ Planetable  
Approximate contours by Multiplex Interval \_\_\_\_\_ ft.  
Form lines \_\_\_\_\_

REMARKS:

DESCRIPTIVE REPORT TO ACCOMPANY  
TOPOGRAPHIC SHEET REGISTRY NO. T-6305

PROJECT: Ph-1(45) DATE OF INSTRUCTIONS: 7Dec45; Sup. 1,  
28Dec45; Sup.2, 5Jan46; Sup. 3, 31Jan.46.

DATE OF FIELD WORK: 30 Jan. 46 to 4 Feb. 46.

PURPOSE: To locate on the sheet existing aids to navigation and make major topographic revisions where necessary in the original shore line and topographic detail.

FIELD WORK: The field work consisting of additions and corrections to the original survey have been shown on the sheet in orange ink to distinguish them from the original work. Only these corrections and additions are discussed in this report.

AIDS TO NAVIGATION: All aids to navigation were located on this sheet by at least three planetable cuts from established shore triangulation or topographic stations except that in West Bay Creek three stations, Red, Bar, and Ree were determined by a rod distance and one check out. These stations were used to get three cuts on West Bay Buoys 27 - 38.

MAJOR TOPOGRAPHIC CHANGES: There is change in the topography in West Bay Creek due to dredging operations and the construction of a bridge. These changes are covered by photos 2998 and 2999. Shoreline is inked also on photos 3000 and 3001 and 3003 - 3005 covering this area.

LANDMARKS, GEOGRAPHIC NAMES, COAST PILOT CORRECTIONS, RECOVERY OF HORIZONTAL CONTROL, TOPOGRAPHIC CHANGES ON PLANIMETRIC MAPS, FIELD INSPECTION OF PHOTOGRAPHS, and DISCREPANCIES IN PUBLISHED BRIDGE DATA have been made the subject of a special report and is submitted by areas for this project. The area of this sheet is covered in Special Report, Project Ph-1(45), Port St. Joe - West Bay Area.

DISCREPANCIES IN PUBLISHED DESCRIPTIONS OF AIDS TO NAVIGATION have been reported by letter to the Director in accordance with instructions.

*Boynton Locke Jr.*

Submitted by:

Boynton Locke, Jr.  
Topo. Engr.

Approved and forwarded:

*Edmund L. Jones*  
Edmund L. Jones

Chief of Party.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
JUN 11 1935  
REG. NO.  
Acc. No. \_\_\_\_\_

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "K"

REGISTER NO. 6305

State Florida

General locality Bay County St. Andrew Bay

Locality West Bay Section, St. Andrew Bay

Scale 1:20,000 Date of survey March, 1935

Vessel Field Party No. 5, Project HT-195

Chief of party Lieut. Wm. D. Patterson

Surveyed by Daniel S. Ling

Inked by Charles R. Smith

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 30, 1934

Remarks: This area has been flown for aerial photographs

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "K" (Field Letter).

WEST BAY SECTION OF ST. ANDREW BAY, FLORIDA.

1935

Project HT-195

Wm. D. Patterson

Chief of Party

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INSTRUCTIONS:

This work was done under the Director's Instructions dated November 30, 1934.

METHODS:

Standard Coast and Geodetic Survey plane-table methods were used entirely in the survey of this sheet. No traversing was required and all signals were located by intersecting cuts. Control for the survey was obtained from triangulation stations located with second-order accuracy by Lieut. Wm. D. Patterson in 1935 at about two mile intervals along the shore. Marked hydrographic stations, located by plane-table, were established mid-way between the triangulation stations.

GENERAL  
DESCRIPTION:

Nearly the entire shoreline of West Bay is wooded with a marshy area often up to 500 meters or more in width between the woodland and the bay. Part of this marshland is bordered by a very narrow sand beach, but a large portion of the shoreline is marshy to the waters edge. In general the marsh edge is well defined, but in a few places it merges gradually with the clear water, so it is hard to determine just what would be considered the edge of the marsh. Practically all of this marsh is covered by a half to a foot of water at high tide, the actual high water mark being practically indeterminate and often several hundred meters inside the marsh edge. The marsh is usually very soft and provides difficult and often impossible walking, with a person sinking 6-inches to 18-inches into the mud at every step. The shore line indicated is the marsh edge except where the beach is sandy when high water was rodded. The marsh in back of the sandy beach areas is of the same character as that described above.

In the area around signals NAG and LAT the bay is bounded by a large number of islands, some sandy, some marsh, with six inches to a foot of water between at low water. Only the shore-line of the outer islands was rodged with the plane-table, the more or less indefinite marsh edge shown in pencil being obtained from the photographic survey.

The area just north of Botheration Bayou consists of marshy islands, the area between them being covered at high water but showing up as sandy area at low water. Only the shore-line bordering West Bay was rodged by plane-table. The marsh edge and the high water line in this area are often hard to determine.

As on the other sheets in this area, <sup>only</sup> the shore-line around the waters to be sounded was determined by plane-table methods.

Except at West Bay Creek, the shore-line of West Bay is entirely bare of houses other than one or two old shacks. The chart shows a settlement on Burnt Mill Creek called Murfee. There is no settlement here, only the buildings belonging to one small farm owned by people named Murfee. It is recommended this be removed from the chart.

The only landmark in this section is the fire-tower at the town of West Bay. This is a wooden tower with a square enclosed lookout on top. It is 90 feet high to the peak of the roof. Since the trees in this area are quite tall this lookout does not show up prominently from the bay and shows only from a portion of the western end of the bay.

Near the southern tip of West Bay a steel barge is sunk as a result of an explosion. This bares about 3-feet at high water.

On West Bay Creek is the small town of West Bay which has a few stores, post-office, school, turpentine still and a small pulp log mill.

Florida State Highway No. 10 crosses West Bay Creek on a narrow wooden trestle and steel beam bridge having a total length of 430 meters, the channel span having a horizontal clearance of 33 feet and a vertical clearance at high water of  $7\frac{1}{2}$  feet.

The line of proposed channel to be dredged through to Choctawhatchee Bay is indicated by a line of stakes with flags placed by the Army Engineers. These were all located but only the end ones inked on the sheet.

CHANGE OF  
COAST LINE:

Some recession of shore-line is indicated along the southern shore of the western end of the bay and in one or two other short sections. This is indicated by washing away of the banks and stumps in the water. Apparently the recession has not been very great.

SHORELINE:

The shoreline as shown in pencil was transferred to the sheet by the photo-compilation party after the topographic sheet was inked. Discrepancies are usually due to the difficulty of estimating the location of the high water line in marshy areas.

GEOGRAPHIC NAMES:

New names for practically all the geographic features in this area are shown in pencil on the topographic sheet. These were obtained from old local residents but are probably not widely known as West Bay is comparatively little used by the boatmen of Panama City and vicinity, and the population is very sparse close to the shores of West Bay.

<u>Charted Name</u>	<u>Recommended Name</u>	<u>Source and Remarks</u>
West Bay Point	Shell Point	Well established local name from Indian shell mound. Charted name not used.
North Bay Point	West Bay Point	Well established local name. The charted name is not used by any local resident.
None	Johnson Bayou	Local name
None	Big Johnson Bayou	Local name
None	Long Point	Local name
None	Breakfast Point	Local name
None	Botheration Bayou	Local name
West Bay Creek	West Bay Creek	Name established
West Bay	West Bay	Name established
Crooked Creek	Crooked Creek	Name established
None	Doil Bayou	Local name
None	Walsonham Point	Local name
None	Graze Point	Local name
Burnt Mill Creek	Burnt Mill Creek	Name established
Murfee	None	No town here
None	Cedar Point	Local name
None	Warren Bayou	Local name

STATISTICS:

Scale	1:20,000
Area in square statute miles	46
Statute miles of shore line	44

Respectfully submitted,

*Daniel S. Ling*  
Daniel S. Ling,  
Surveyor.

Approved and forwarded;

*Wm. D. Patterson*  
Wm. D. Patterson, Lieut.,

Chief of Field Party No. 5.



GEOGRAPHIC NAMES

Date. 18 June, 1935

FLORIDA

Survey No. T6305

Chart No. 184;185

Diagram No. 184;185

Approved by the Division of Geographic Names, Department of Interior. ✕

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>West<sup>Bay</sup>bay</u> ✓	----- (Town)			100
✓	<u>West Bay Creek</u>	Same			
✓	<u>Crooked Creek</u>	"			
✓	<u>Doil Bayou</u> ✓		Same		100
✓	<u>Walsonham Point</u> ✓		"		100
✓	<u>Graze Point</u> ✓		"		100
✓	<u>Burnt Mill Creek</u>	Same			
✓	<u>Cedar Point</u> ✓		Same		100
✓	<u>Warren Bayou</u> ✓		"		100
✓	<u>Johnson Bayou</u> ✓		"		100
✓	<u>West Bay</u>	Same			
✓	<u>Breakfast Point</u> ✓		Same		100
✓	<u>Long Point</u> ✓		"		100
	<del>North Bay Point</del> (West Bay Point) R	USGB decision North Bay Point	West Bay Point		
	<del>West Bay Point</del> (Shell Point) R	USGB decision	Shell Point		
	<u>Big Johnson Bayou</u> ✓		Same		100
	<u>Botheration Bayou</u> ✓		"		100
	<u>Murfee</u>	Same			
		hold for Aeri Photo Comp			
		APPROVED NAMES UNDERLINED IN RED H. L. Flamer.			

REVIEW OF TOPOGRAPHIC SURVEY No. 6305 (1935) *Field Letter "K"*Title (Par. 56) *West Bay, St. Andrew Bay, Florida*Chief of Party *H. D. Patterson* Surveyed by *D. S. Ling* Inked by *C. R. Smith*Ship *Field Party No. 5* Instructions dated *Nov. 30, 1934* Surveyed in *March, 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓  
*The instructions direct that this survey be classified as graphic control.*
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. ~~The amount of vertical control that the Manual specifies for contours and lines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. ~~The delineation of contours and lines is satisfactory. (Par. 49, 50.)~~
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)  
*Low water line not determined. No reef or rocks in this area.*
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)  
*No rocks in this area.*
10. The span, draw and clearance of bridges are shown. (Par. 16c.) ✓  
*See page 2 of Descriptive Report.*
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

REVIEW OF TOPOGRAPHIC SURVEY NO. 4302 (1937) AREA K

State (Par. 28) West Coast, St. Lawrence Bay, Florida  
Chief of Party, W. H. ... Surveyed by C. A. ...  
Instructions dated ... Surveyed in March, 1937

The survey and restoration for it conform to the requirements of the  
Topographic Manual. (Par. 1, 2, 3, 13, 14.)

The character and scope of the survey satisfy the instructions.  
The character of the work is described in the instructions.

The control and accuracy of the survey were adequate. (Par. 12, 13.)

The amount of vertical control and the amount of leveling for each  
control point was commensurate. (Par. 12, 13, 14, 15.)

The adjustment of the survey was satisfactory. (Par. 15.)

There is sufficient control on each of the other sources that were  
transmitted by the field party to enable their application to the  
chart. (Par. 20.)

High water line on marshy and mangrove coast is clear and adequate  
for chart compilation. (Par. 43, 44.)

\* See Review T-5521 and T-5523 for discussion of discrepancy  
between this survey and the Air Photo Compilation.

Frank G. Embury July 18, 1936

Checks and other important details shown on previous surveys and on  
the chart were verified. (Par. 25, 26, 27.)

The work in this area

The spot, draw and clearance of bridges are shown. (Par. 100.)

The location and elevation of points are shown. (Par. 100.)

NOTE: Broken out paragraphs, words or phrases not spelled and written  
those appearing in the Topographic Manual. One reverse side for existing remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
- ~~14. The descriptive report also contains additional information required in aere topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Meridian shown but no evidence declinatoire was checked*
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓  
\* *The area is covered by Air photo compilation.*
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~ ✓
24. Remarks:

Reviewed in office by

*R. L. Johnston*

*Inspected by A. L. Shalauff*

*Feb. 20, 1936.*

Examined and approved:

*C. H. Green*  
Chief, Section of Field Records

*L. O. Lobbat*  
Chief, Division of Charts

*J. L. Peacock*  
Chief, Section of Field Work

*J. H. de*  
Chief, Division of Hyd. and Top.