

7104

Graphic Control

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic Graphic Control

T 7104
Field No. 71-538 Office No. _____

LOCALITY

State Florida

General locality Florida West Coast

Locality Boca Ciega Bay

194 8

CHIEF OF PARTY

Ross A. Gilmore

LIBRARY & ARCHIVES

DATE December 21, 1948

8-1870-1 (1)

7104

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

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

7104

Field No. ~~7-8388~~

REGISTER NO.

State Florida

General Locality Florida West Coast

Locality Boca Ciega Bay

Scale 1: 20,000 Date of survey October, 19 48

Project Ph-38(48)
~~Vessel~~

Chief of party Ross A. Gilmore

Surveyed by Harold A. Duffy

Inked by Harold A. Duffy

Heights in feet above -- to ground to tops of trees

Contour, Approximate contour, Form line interval -- feet

Instructions dated September 7, 19 48

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET FIELD NO. T-8388

PROJECT: Ph-38(48), DATE OF INSTRUCTIONS: 7 September 1948

DATUM: NA 1927, DATE OF FIELD WORK: October 1948

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

METHODS:

Standard planetable methods were used to locate all nonpermanent fixed aids and floating aids. Several small areas of recent cultural development, i.e., fills, streets and dwellings, were surveyed directly on the planetable sheet since they were of more recent construction than the date of photography.

Field inspection of shoreline and adjacent detail was made on 1:20,000 scale single lens photographs Nos. 215, 217, 218, 247, 268-274 inclusive, 276, 278, 280, 282, 284, 285. These photographs do not completely cover the area of this sheet, but do cover most of the cultural changes. For changes more recent than the date of photography see the planetable sheet.

HORIZONTAL CONTROL:

Both triangulation and recoverable topographic stations were used during field work. However, only those stations used were recovered. Recovery notes are submitted for each station used and recovered also for those which are lost or destroyed.

LANDMARKS:

A complete landmark inspection was made for the area and adjacent to the limits of the proposed 1:40,000 scale chart. No. 858. Landmarks have been reported on Form 567 as part of this report.

AIDS TO NAVIGATION:

No permanent fixed aids to navigation fall within the limits of this sheet.

All nonpermanent fixed aids were cut in and reported on Form 567 which is made a part of this report.

Floating aids were located by planetable cuts and the following comprises a complete list of all floating aids within the limits of this **sheet**:

Light Lists dated 1948:

Atlantic and Gulf Coast = A. G. C.

Intracoastal Waterway = I. C. W.

Aid to Nav. Locality	Light List p.affected by,	Charts date.	Located H.A.D.	Latitude Longitude	Location Method
Johns Pass Lighted Buoy J.P.	I.C.W. 134	1257 858	H.A.D. Sept. '48	27° 46' 333.0 meters 82 47 890.0	Planetable
Johns Pass Buoy 1	"	"	"	27 46 915.0 82 47 585.0	"
Johns Pass Buoy 3	"	"	"	27 46 1219.0 82 47 407.0	"
Johns Pass Buoy 2	"	"	"	27 46 871.0 82 47 524.0	"
Johns Pass Buoy 4	"	"	"	27 46 1198.0 82 47 347.0	"
Johns Pass Lighted Buoy 6	"	"	"	27 46 1343.0 82 47 294.0	"

DISCREPANCIES: AIDS TO NAVIGATION:

The following is a list of discrepancies with published descriptions in Light Lists dated 1948 and the latest issue of Nautical charts:

LIGHT LISTS:

Atlantic and Gulf Coast = A. G. C.

Intracoastal Waterway = I.C.W.

Aid to Navi. Locality	Light List	Shown on Chart No.	Checked In Field	Latitude Longitude	Remarks
JOHNS PASS Daymarker on Pile	Not listed	Not Charted	H.A.D. Sept. '48	27° 46.7' 82 47.1	Chart as Day- beacon (unused)
Buoy 1	I.C.W. 134	"	"	27 46.5 82 47.4	Exists, not charted
Buoy 3	"	"	"	27 46.7	Exists, not charted
Buoy 2	I.C.W. 135	"	"	27 46.3 82 47.5	Exists not charted
Buoy 4	"	"	"	27 46.6 82 47.2	Exists not charted
Lighted Buoy 6	"	"	"	27 46.7 82 47.2	Exists not charted
BROKEN ISLAND CHANNEL					
BN -----	Not listed	"	"	27 47.5 82 46.9	Exists, not charted, no numbers
BN -----	"	"	"	27 47.6 82 46.8	" "
BN -----	"	"	"	27 47.7 82 46.7	"
BN 5	"	"	"	27 47.9 82 46.7	Exists, not charted. No. 5

GEOGRAPHIC NAMES:

A systematic investigation of Geographic names was not made. However, inquiry among several local residents did not reveal any discrepancies of charted names nor any new names.

BRIDGES AND OVERHEAD CABLES:

All of the bridges and overhead cables within the area were measured with a steel tape or planetable methods and referenced to MHW(est) and predicted MHW. All data will be found on the back of photographs covering that particular feature, except measurements of bridges and cables in Long Bayou which were inked directly on the planetable sheet.

The following is a list of all discrepancies with information as published in "List of Bridges Over The Navigable Waters of The United States, dated 1 July 1941" and as it appears on Nautical Charts:

(List has been submitted to U.S.E. @ Jacksonville, Fla.)
RAZ

Bridge or Power Line Locality	Listed Bridge Book p.	Shown on Chart No.	Located on	Lat. Long.	Checked in Field	CLEARANCES (predicted M.H.W.)		
						Field determination	Horiz.	Vert.
Power line N end of E side Long Key	Not Listed	1257 586	T-8388 Photo. 269	27 45.1 82 45.2	H.A.D. Sept. 1948	50.2 ft.		
Blind Pass Bridge (Fixed)	44	"	"	27 45.3 82 45.7	"	22.3 ft.	36 ft.	9 ft.
Note: Clearances on Chart 586 Horiz. 36 ft. Vert. 9 ft.								
Power line S of Blind Pass Bridge	Not Listed	"	"	"	"	48.0 ft.		
Clearwater Harbor Central Ave. St. Petersburg								
*East Channel (Fixed)	92	1257	T-8388 Photo. 215	27 46.2 82 44.6	"	52.0 ft.	52.0 ft.	3.3 ft.
*Main Channel (Bascule Double Leaf)	"	"	"	27 46.2 82 45.2	"	80.0 ft.	80.0 ft.	8.5 ft.
*West Channel (Fixed)	"	"	T-8388 Photo. 271	27 46.2 82 45.8	"	52.0 ft.	52.0 ft.	5.0 ft.
Johns Pass Bridge (Bascule)	226	"	T-8388 Photo. 274	27 47.1 82 46.9	H.A.D. Oct. 1948	58.9 ft.	60.0 ft.	6.0 ft.
Note: Clearances charted as Horiz. 60 ft. Vert. 6 ft.								
Power line	Not Listed	"	"	27 47.0 82 47.0	"	74.5 ft.		
Note: Clearance charted as Vert. 70 ft.								

* Clearances not shown on nautical charts.

Bridge or Power Line Locality	Listed Bridge Book p.	Shown on Chart No.	Located on	Lat. Long.	Checked in field	CLEARANCES (predicted H.H.W.)		
						Field determination	Horiz.	Vert.

Clearwater Harbor St.								
Petersburg (Welch Causeway) (Bascule)	92	1257	T-8388 Photo. 276	27 48.4 82 47.7	H.A.D. Oct. 1948	49.4 ft.	8.2 ft.	50.0 ft. 8.0 ft.

Note: Clearances not charted.

Power Line	Not Listed	"	"	"	"			62.1 ft.
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Note: Clearance charted as Vert. 65 ft.

Long Bayou (Four Mile Bayou)								
*Highway Bridge	264	"	T-8388	27 48.8 82 45.8	"	28.0 ft.	8.6 ft.	28.0 ft. 10.0 ft.
*Railroad	"	"	"	"	"	23.5 ft.	7.1 ft.	24.5 ft. 7.1 ft.

*Note: No clearances shown on the chart.

Power line at Highway Bridge	Not Listed	Not Charted		27 48.8 82 45.8	"			29.6 ft.
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Power line N of RR Bridge	"	"	"	27 49.2 82 45.7	"			32.2 ft.
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TOPOGRAPHIC CHANGES:

Topographic changes encountered within the area consisted principally of building of new ground by dredging up bay bottom into a well defined area. In some cases these new land areas were outlined by a bulkhead and in other cases the bulkhead or seawall was constructed after the fill was made. All developments covered by the photographs were inspected and appropriate notes inked directly on the photographs. Those changes made after date of photography were surveyed directly by stadia methods on the planetable sheet.

Submitted by

Harold A. Duffy
Harold A. Duffy
Cartographer

Approved and forwarded:

Ross A. Gilmore
Ross A. Gilmore 4/24/48
Chief of Party.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-7104

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.

Form 567
July 1945