

7103

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Please return ~~Graphic Control~~ Photo to Photogrammetry if not  
held in Vault  
Diag'd. on Diag. Ch. No. 1257-3

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Topographic</u>	<u>Graphic Control</u>
Field No. <u>1-8379</u>	Office No. _____
LOCALITY	
State <u>Florida</u>	
General locality <u>Florida West Coast</u>	
Locality <u>Clearwater Harbor</u>	
<u>194 8</u>	
CHIEF OF PARTY	
<u>Ross A. Gilmore</u>	
LIBRARY & ARCHIVES	
DATE _____	

9-1870-1 (1)

7103

Graphic Control

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.

7103

Field No. ~~T-8379~~

REGISTER NO.

State Florida

General Locality Florida West Coast

Locality Clearwater Harbor

Scale 1: 20,000 Date of survey 7-27- Oct., 1948

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

Chief of party Ross A. Gilmore

Surveyed by James E. Hundley

Inked by James E. Hundley

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

Contour, Approximate contour, Form line interval ---- feet

Instructions dated 7 September, 1948

Remarks: \_\_\_\_\_

DESCRIPTIVE REPORT  
TO ACCOMPANY  
TOPOGRAPHIC SHEET, FIELD NO. T-8379

PROJECT: Ph-38(48)

DATE OF INSTRUCTIONS: September 7, 1948

DATUM: N.A. 1927

DATE OF FIELD WORK: October 7, 1948 - October 27, 1948

PURPOSE:

To locate existing aids to navigation and to 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.

All existing aids to navigation--non-permanent, fixed, and floating--were located on the sheet by three or more planetable cuts.

Field inspection of the shoreline was made in accordance with paragraph 8, Instructions - Project Ph-38(48), dated September 7, 1948.

Changes in shoreline detail have been shown on the following photographs: Nos. 231, 390, 391, 393, 395, 396, 412, 413, 414, 415, 416, 417, 418, 420, 421, 423, 424, 425, 536, 537, 538, and 540.

There are numerous small cottages, new, that appear on photographs Nos. 413, 414, 415, 416, 424, and 425 that should be shown on the new chart, but have not been circled on the photographs, for it is believed, by this topographer, that the compiler can identify them more easily without the circle in view of the fact that by circling those to be shown, the circle would cover a good number of them.

Where 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:

Only those stations (triangulation and topographic) used in the course of work on this sheet were recovered. The following recovery notes are submitted:

Form 526 for LITTLE PASS 1910, 1934  
" " " HARRIS 1934  
" " " CLEARWATER, SILVER MUNICIPAL TANK (BAK 1925)  
" " " CLEARWATER MUNICIPAL TANK (SQUAT 1925)  
" " " WHITE 1925  
" " " BELLEVIEW (U.S.E.) 1934  
" " " CLEARWATER, BELLEVIEW HOTEL, WHITE BRICK  
STACK 1925  
" " " BELLEAIR, SILVER MUNICIPAL TANK (BELL 1926)  
" " " LARGO SILVER MUNICIPAL TANK (HY 1925)  
" " " CLEARWATER, SILVER MUNICIPAL TANK 1934  
(KEG 1925)  
Form 524 for GAT 1941  
" " " AWL 1941

AERONAUTICAL AIDS:

Three new radio towers were located in this area. They were cut in under the assumption that they would be of some value to aeronautical charts.

Form 524 is submitted for each of these towers and they are also listed on Form 567 under Landmarks.

AIDS TO NAVIGATION:

There are no permanent fixed aids to navigation within the limits of this sheet.

All nonpermanent fixed aids to navigation were located by planetable methods and listed 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 List dated 1948:  
Atlantic and Gulf Coast - A.G.C.  
Intracoastal Waterway - I.C.W.

<u>Aid to Nav.</u> <u>Locality</u>	<u>Light</u> <u>List P.</u>	<u>Charts</u> <u>Affected</u>	<u>Located</u> <u>Date</u>	<u>Latitude &amp;</u> <u>Longitude</u>	<u>Location</u> <u>Method</u>
Clearwater Harbor South of Causeway					
Buoy 1 C	I.C.W. 136	1257	Oct. 1948	27° 57' 1563.0 m. 82 49 518.0	Planetable
Buoy 2 C	"	"	"	27 57 1749.0 82 49 418.0	"
Buoy 4 C	"	"	"	27 57 1820.0 82 49 435.0	"
Buoy 6 C	"	"	"	27 58 67.0 82 49 486.0	"
Little Pass Lighted Bell					
Buoy 1	"	"	"	27 58 127.0 82 50 1166.0	"
Buoy 2	"	"	"	27 58 154.0 82 50 276.0	"
Buoy 2 A	"	"	"	27 58 108.0 82 50 490.0	"

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 Nav. Locality	Light List p.	Shown on Chart No.	Checked In Field	Latitude & Longitude	Remarks
Big Pass Day- beacon 15	Not Listed	1257	Oct. 1948	27° 59' 1767.0 m. 82 49 369.0	Exists
Big Pass Day- beacon 13	I.C.W. 137	Not Charted	"	-----	Non- Existent
Little Pass Buoy 2 A	Not listed	"	"	27 58 108.0 82 50 490.0	Exists



LANDMARKS:

L 569 (54)

A complete landmark inspection was made for that part of this sheet covering the 1:40,000-scale Intra-coastal Waterway Charts.

There are no new landmarks reported.

The positions of all existing landmarks in the area are shown on the sheet.

One previously charted landmark has been recommended for deletion.

All landmarks have been reported on Form 567 as a part of this report.



GEOGRAPHIC NAMES:

No systematic investigation of geographic names was required for the project.

However, it was noted that the "List of Bridges over the Navigable Waters of the United States" uses the name of Anona for the bridge at Indian Rocks. After a thorough interrogation of the local populace it was learned that Indian Rocks was more commonly in use.

BRIDGES:

Five bridges over navigable waters, in this area, were measured with a steel tape and their vertical clearances were computed to MHW from predicted Tide Tables. All bridge measurements are shown on the sheet.

A survey for the site of a new bridge, to be constructed, is now in progress crossing Clearwater Harbor at or near latitude  $27^{\circ} 55'$ . A copy of a State Road Department letter on the subject is being submitted with this report and sketch showing general location.

A list of discrepancies is included in this report:

*(List was submitted to U.S. Engrs. @ Jacksonville, Fla.)*  
*Ray*



COPY

STATE ROAD DEPARTMENT OF FLORIDA

Bartow, Florida  
November 8, 1948

In Re: Section 1500, Job 102 - Pinellas Co. -

Ross A. Gilmore  
Lieut. Comdr. U.S.C. & G.S.,  
Tampa Photogrammetric Office,  
Box 1689, Tampa, Florida.

Dear Comdr. Gilmore:

In reply to your letter of October 27th, regarding  
survey for bridge and causeway across Clearwater Harbor.

This survey was made for Pinellas County as it is not  
on the State designated system of roads. No land ties were  
made on this survey, but was located on alignment designated  
by the County Engineer. The County Engineer's office furnished  
the following coordinates on this alignment..

Station 10 + 00 beginning of Job N 1303674.92 E 227215.80.  
P.I. 10° 55' 04" Lt. N 1303293.74 E 229029.75 intersection Center  
Line of Bridge and proposed Interoceanal Waterway. N 1303250.42  
E 231643.70. This alignment continuing across Harbor.

As the Bridge plans are being prepared in Tallahassee, it is  
suggested that you request Mr. W.E. Dean, State Bridge Engineer,  
State Road Department, Tallahassee, Florida to furnish the desired  
information concerning the proposed bridge.

Yours very truly,

(S) H.M. Johnson,  
Sr. Project Engineer

HMJ;bk

Bridge or Power Line Locality	Listed Bridge Book p.	Shown on Chart No.	Located on	Lat. Long.	Checked in Field	CLEARANCES (predicted L.H.W.)	
						Field determination	Bridge Book
						Horiz.	Vert.
Clearwater Harbor							
*Anapa (Indian Rocks)	92	1257	7-3379	27 52.5 82 51.0	J.L.H. Oct. 1948	(a) 57.0 ft. (u) 57.0 ft.	(c) 50.0 ft. (u) 50.0 ft.
*Clearwater Causeway (Bascule)	"	"	"	27 57.9 82 48.4	"	48.0 ft.	50.0 ft.
*Clearwater Causeway (Fixed)	Not Listed	"	"	27 58.6 82 49.4	"	54.6 ft.	6.0 ft.
Stevens Creek							
*Highway (Fixed)	448	"	"	27 59.3 82 47.8	"	25.4 ft.	24.0 ft.
*Railroad (Fixed)	"	"	"	27 59.2 82 47.5	"	10.0 ft.	10.0 ft.

Note: Clearances for these bridges are not charted.

CABLES (OVERHEAD AND SUBMARINE):

All overhead and submarine cables across navigable waters in this area have been located in accordance with paragraphs 7 and 15, Photogrammetry Instructions No. 27, dated September 7, 1948, reference sheet T-8379 and photographs Nos. 391, 412, and 425.

COAST PILOT:

Not required. See paragraph 9, Instructions for Project Ph-38(48) dated September 7, 1948.

Submitted by

*James E. Hundley*  
James E. Hundley  
Topographer

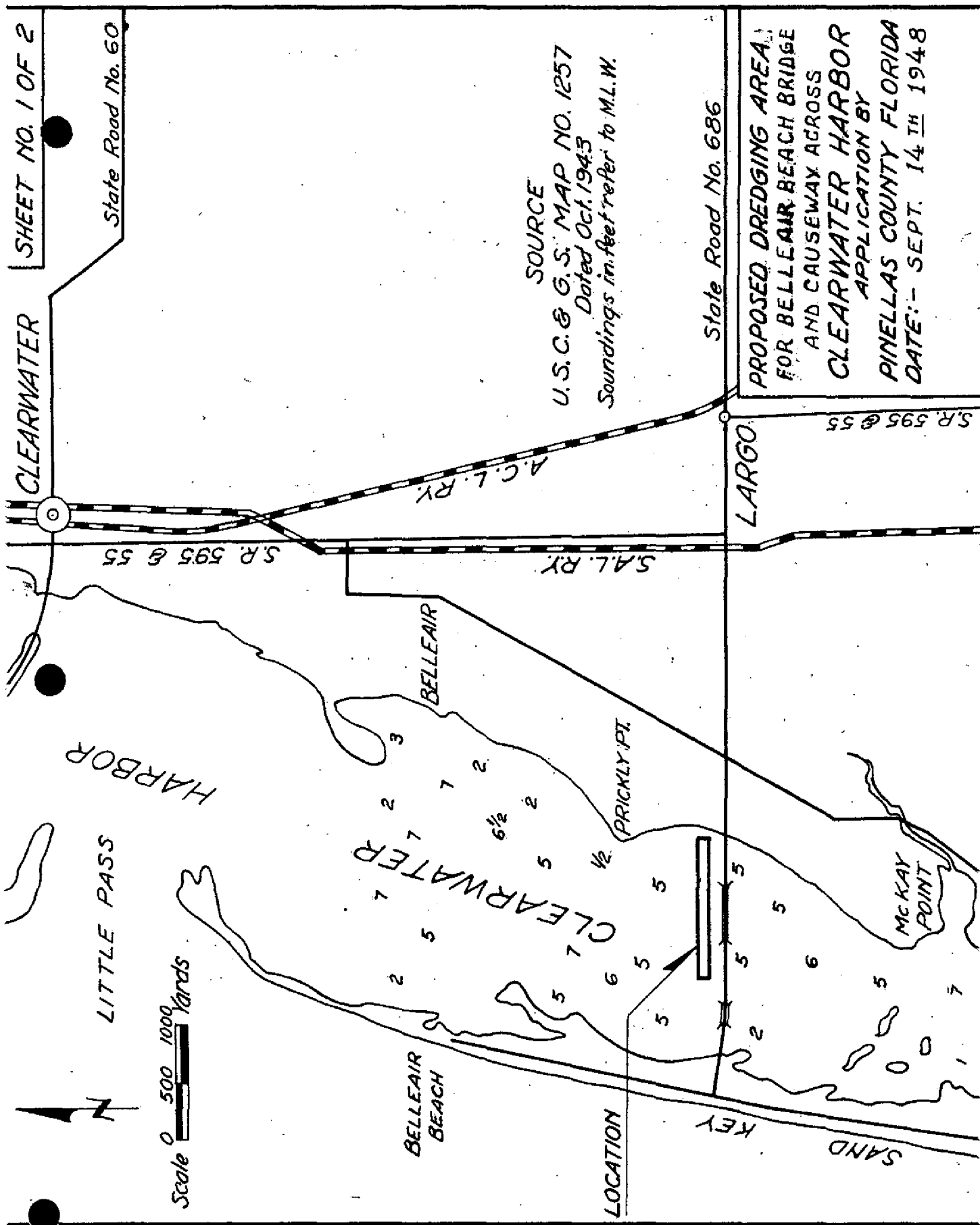
Approved and forwarded:

*Ross A. Gilmore*  
Ross A. Gilmore 11/8/48  
Chief of Party

SOURCE  
U.S.C. & G.S. MAP NO. 1257  
Dated Oct. 1943  
Soundings in feet refer to M.L.W.

State Road No. 686

PROPOSED DREDGING AREA  
FOR BELLEAIR BEACH BRIDGE  
AND CAUSEWAY ACROSS  
CLEARWATER HARBOR  
APPLICATION BY  
PINELLAS COUNTY FLORIDA  
DATE: - SEPT. 14<sup>TH</sup> 1948





## NAUTICAL CHARTS BRANCH

SURVEY NO. T-7103

### Record of Application to Charts

[illegible]

M-216B-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.