

5823

Diag'd. on Diag. Ch. 1257-2

Form 504
Rev. April 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. T-5823

State Florida

LOCALITY

Florida West Coast

Clearwater Harbor

Date of Photos December 7, 1939

1941

CHIEF OF PARTY

Lieut. Kenneth G. Crosby

U. S. GOVERNMENT PRINTING OFFICE 102231

5823

Applied to chart 1257 before review. October 13, 1942 LAM.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

CS-242-E

REG. 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.

SHEET NO. T5823

~~Fixed No.~~

REGISTER NO.

State Florida

General Locality West Coast

Locality Clearwater Harbor

Scale 1:10,000 Date of ~~survey~~ ^{Photos.} December 7, 1939

~~Survey~~ Party: Air Photographic Party No. 1

Chief of party Lieut. Kenneth G. Crosby

Field inspected by: J. D. Thurmond; H. A. Duffy; J. C. McGuire;

~~Surveyed by~~ J. H. S. Billmyer; M. M. Slavney

Inked by James H. S. Billmyer

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated April 3, 1940

Remarks: _____

GPO 206853

Complete survey received: March, 1942

Reviewed: 4 Sept. 1943

Redrafted: 20 Sept. 1943

Published: Jan. 1946

Registered: 20 May, 1948

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
3912 ✓	December 7, 1939	11:00	1.4
3913 ✓	" " "	11:01	1.4
3931 ✓	" " "	11:18	1.4
3932 ✓	" " "	11:19	1.4
3950 ✓	" " "	11:38	1.3
3951	" " "	11:39	1.3
3989 ✓	" " "	12:13	1.2
3991 ✓	" " "	12:14	1.2

Tide from predicted tables for: DUNEDIN, St. Joseph Sound.
Reference Station; Tampa Bay, Florida.

Camera: U.S. Coast and Geodetic Survey Nine-Lens (focal length $8\frac{1}{2}$ inches)
Negatives on file at Washington Office.

SCALE

Main scale of Photographs.....1:10,000 ÷ 0.9979.
Scale of Survey Sheet.....1:10,000

STATISTICS

Area (land).....	15.79	Square statute miles
Shoreline (more than 200 m. from opposite shore).....	25.9	Statute miles
Shoreline (creeks).....	7.9	Statute miles
Roads, streets, trails, and railroads.....	131.3	Statute miles

REFERENCE STATION

Station: WHITE, 1925-1934

Latitude: $27^{\circ}59'02".352(72.3m)$ adj

Datum: N. A. 1927 (Adj.)

Longitude: $82^{\circ}49'38".575(1054.1m)$

Florida State Coordinates
Zone II (West)

x = 232,962.43 Ft.
y = 6327,730.98 Ft.

Position checked F.H. McBeth

SUPPLEMENTARY SURVEYS

	NAME	DATE	HOURS
Control Surveys.....	KWS-WHS-WOG	April	10
Plane-table Surveys.....			
Total			10

FIELD INSPECTION

Preparation of Photographs.....	KWS	Jan. & Feb.	16
Field Work.....	JDT-HAD-JCM	Feb. & Sept.	112½
Inking Plot.....	JHSB-MMS	February	17
Control Point Notes.....	JDT-MMS		
Geographic Name Report.....	MMS-JDT-JCM	March & June	10¼
Remarks for Charts.....			
Description Chart.....	JDT HAD MMS		
Recovery Station.....	JCM KGC	Feb. & Sept.	78
Total			233 ¾

MAIN RADIAL PLOT

Set to Plot.....	KGC	April	5½
Projection on Base Sheet.....	Washington Office		
Projection on Survey Sheet.....			
Control Plotted.....	KGC	April	7½
Control Checked.....	WHS	May	6½
Control Trans. to Base Sheet.....	KGC	May	1
Transfer Checked.....	KWS	May	1
Control Picked on Photographs.....	JAG JHSB JED	March	43½
Control Checked on Photographs.....	MMS JED JAG LJD	April	13
Hydro. & Topo. Stations Picked.....	JED LJD	April	36½
Radial Points Picked.....	KWS	April	18
Adj. cont. Centers Picked.....	KWS MMS	Feb. & March	36½
Transfer.....	KWS JED	May	35½
Initial Plot.....	x (See Note)	May	8 ¾
Radial Points Transferred.....	KGC WHS LJD	May	10½
Transfer Checked.....	WHS JED	May	5½
H & T Stations Setled & Checked.....	JHSB KGC ECA RHY	Aug. & Sept.	14½
Additional Radial Points.....	JHSB	June	7
Total			250 1/2

DETAILING

Rough Draft.....	JHSB	June & Sept.	273
Smooth Draft.....			
Total			273

COMPILATION

Name Overlay.....	JHSB	August	23
Descriptive Report & Non-floating Aids-JHSB KGC		Aug. & Sept.	14½
Field Review.....	KGC	September	15½
Total			53

Total Time Spent on Survey..... 820 ¼ hrs.

x NOTE - Several of Office Personnel.

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T---5823

GENERAL

This sheet was compiled in accordance with "Instructions for Drafting Air Photographic Surveys, Project H. T. 242", dated April 3, 1940.

The general locality of the area covered by this sheet is Florida, West Coast, Clearwater Harbor.

With the exception of the mangrove islands in the harbor, practically all of the shoreline terrain has been developed. The area east of the town of Clearwater and Dunedin consists mostly of pine and grass land with large areas of citrus cultivation.

The streets and roads in the thickly settled areas on this sheet have been drafted in smoothly, and most of the vegetation of non-uniform density has been shown by symbols.

Railroad sidings and spurs were taken from prints borrowed from the local Seaboard Air Line Railroad Office.

A few streets names are shown as a help in the comparison with the prints of Clearwater and Dunedin which will be submitted with the sheet. It is recommended that the names of the important streets be shown on the finished drawing.

Approximate Mean Low Water is shown by a dotted line, and the approximate limits of shoal areas are shown by dotted lines.

All roads and streets that have been shown by a double line should be shown on the finished drawing the same widths that they are shown on this sheet. All roads that have been shown by a centerline and labelled should be shown 0.6 m.m. wide.

CONTROL

Twenty triangulation stations and eight traverse stations fall on this sheet and were used for control. The following three traverse and fifteen triangulation stations fall within the tracing limits:

Name of station	Year	Established by
Y-35 (Traverse) F. G. S.	1934	Florida Mapping Proj.
Y-36 (Traverse) "	1934	Florida Mapping Proj.
Y-37 (Traverse) "	1934	Florida Mapping Proj.
"A" (Rock jetty) (1934)	—	U. S. Engineers
BOOM (1934)	—	U. S. Engineers
EAST CAUSEWAY (1934)	1934	U. S. Engineers
FOLDS (1934)	1934	U. S. Engineers
LITTLE PASS	1910 - 1934	

Recoverable Topo. Sta. (from 524)

East Causeway (USE)	1934
DUE	1941
AWL	"
FOLDS	"
BIB	"
EDD 84 (BN)	" 1935
TRACY	" 1934
BOOM	"
GAT	" 1941
FUR	"
"A"	" 1934
T.B.M. 3 Dunedin	1926

Temporary Hydro Sta.

Interior Coast: (S & N).

Tank
Sewer
NW Cor. Hord

Clearwater Beh (S & N)

Gable Ho
Chy Ho
Flaypole
S. Gable
Chy.

Name of Station	Year	Established by
TRACY (<i>top</i>)	1914	U. S. Engineers
Big Pass	1910	G. H. R.
Clearwater, Silver Muni. Tank (Keg, 1925)	1934	G. L. Anderson
Dunedin, Florida Citrus Machinery Company Tank	1934	G. L. Anderson
Dunedin, Silver Muni. Water Tank (Dis, 1925)	1934	G. L. Anderson
Harris	1934	G. L. Anderson
Mullet (U. S. E.)	1934	A. P. L.
Stevens	1910	G. H. R.
Clearwater, Silver Muni. Tank (Squat, 1925)	1934	G. L. Anderson
White	1925-1934	R. P. Eyman and G. L. Anderson.

The position of station TRACY (U. S. E.) as plotted from coordinates furnished by the U. S. Engineers, appears to fall approximately 6 meters too far south and 4 meters too far east to check with the positions determined by the radial plot. The position shown on the sheet is the one determined by the radial plot consequently this station was not used for controlling the plot nor was it used for control while detailing.

now shown as a tape station.

MAIN RADIAL PLOT

A continuous radial plot was run on May 10 and 12, 1941 for the purpose of locating all photograph centers, all hydrographic stations, topographic stations, bench marks, azimuth marks and radial points. The plot extended over the entire area covered by sheets No. T-5818 to T-5825 inclusive, except sheet No. T-5822. All photographs, furnished by the Washington Office, for the area covered by these sheets were used.

The plot comprised of 71 templates. These were made in accordance with "Notes on Radial Plotting of Nine-Lens Photographs" dated April 9, 1940 except that mask lines were not transferred to the survey sheet, and many more points were located by the radial plot than recommended.

Practically all templates were rigidly fixed by control furnished by previous established triangulation or traverse. A few templates had no triangulation or traverse control but they were rigidly fixed by points determined by radial intersections of previously laid templates. Agreement along the flight line was excellent and the intersection of radial lines to photograph centers on adjacent flight lines was very good.

The usual practice of laying a plot was followed. This consisted of plotting the control on the survey sheets and transferring it to the base grids by matching individual grid squares. There was only a slight adjustment necessary when making the transfer. The base grids were securely taped to the plotting table and allowed to remain for 48 hours before laying the plot. The base grids were readjusted and retaped prior to laying the first template.

Due to the extensive amount of control, no difficulty was experienced in laying the plot. After laying all templates it was believed to be unnecessary to relay any part of the plot since practically all of the radial intersection formed a common point.

All points located by the radial plot were transferred and checked on the survey sheet by matching individual grid squares. A majority of the radial intersections gave a common intersection for four to seven radial lines. With such good agreement no difficulty was experienced in accurately picking the located point. It is believed that all radial points are within 0.20 m.m. of their location and these points are indicated on the survey sheet by 2.5 m.m. circles. No large or unusual adjustment was necessary in any part of the plot.

Various colored inks were used on the photographs and survey sheet to designate triangulation stations, traverse stations, topographic and hydrographic stations; etc. The following key is furnished for reference:

Photographs

Triangulation and Traverse Stations.....	2.5 m.m. blue circle
Hydrographic and Topographic Stations	2.5 m.m. green circle
Radial Points in Main Plot.....	2.5 m.m. red circle
Radial Points (Additional).....	3.5 m.m. red circle
Photograph Centers.....	Double white circle

Survey Sheet

Triangulation and Traverse Stations.....	3.5 m.m. high black trian.
Hydrographic and Topographic Stations.....	2.5 m.m. black circle
Radial Points on Main Plot.....	2.5 m.m. blue circle on back of sheet
Radial Points (Additional).....	3.5 m.m. blue circle on back of sheet
Photograph Centers.....	Double blue circle on back of sheet.

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear and no trouble was experienced in their interpretation.

FIELD INSPECTION AND DATE OF SURVEY

The field inspection was made by H. A. Duffy, Photogrammetric Aid, and M. M. Slavney, Draftsman, by truck and skiff during March, 1941.

The legend used by the field inspection party and ^{the one} ~~that~~ used by the draftsman ^{have} ~~has~~ been consolidated and made a part of this report.

Field notes were plentiful for most of the area but many of the notes were inaccurate due to the inspection party's lack of knowledge of the proper symbols and methods used in the drafting of a finished sheet. A common error was caused by the inspector showing a light line on the shoreline where it should be heavy. This error was caused by his ignorance of the meaning and use of the light line. Numerous grassy ponds and swamp areas are incorrectly labelled "marsh in water" and "mixed" respectively. Many "first class dirt roads" are shown on the field prints as "Rd. 2".

Details are as of date of photos - December 7, 1939.

NON-FLOATING AIDS (63 *Lt. & Bens, fm 56* attached)

With the exception of Light No. 6 (Little Pass) and Light No. 7 (Big Pass), which were located by the radial plot, all other lights and beacons shown were located by sextant fixes taken from the structures on September 4, 1941. Two sets of sextant fixes were taken at each light and beacon, the positions as plotted on the survey sheet are in agreement with the check fix. When making comparisons with the chart it was found that many of the beacons (As noted on September 4, 1941) are shown on the chart as lights and vice versa. The non-floating aids, together with their respective types (beacon or light), are shown on this compilation as they were observed on that date, irrespective of the chart or light list. The numbering of the aids as observed in the field do not always agree with the chart. In many cases the numbers on the beacons were missing, in this case the aid shown on the compilation has been given the number as shown on the sheet for the aid in this locality and the number questioned.

JUNCTIONS

This sheet joins T-5820 on the north, T-5821 and T-5825 on the east, and T-5824 on the south. All junctions agree very well.

COMPARISONS WITH OTHER SURVEYS

As no copy of the previous survey of this area is on file in this office, no comparison could be made. In the Director's letter of May 10, 1941 permission was given to dispense with this paragraph for this area. Due to large scale differences, accurate comparison with the maps and charts of this area was not practicable.

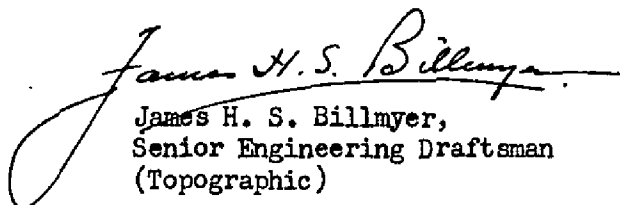
GEOGRAPHIC NAMES

The investigation of geographic names on this sheet is the subject of a special report entitled "Investigation of Geographic Names-Anclote Keys to Entrance to Tampa Bay", submitted to the Washington Office by Lieut. (j.g.) James D. Thurmond.

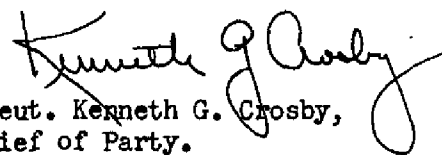
LANDMARKS

Three water tanks, suitable for landmarks, have been previously located by triangulation and are shown on Chart No. 1257.

Respectfully submitted,


James H. S. Billmyer,
Senior Engineering Draftsman
(Topographic)

Forwarded,


Lieut. Kenneth G. Crosby,
Chief of Party.

REVIEW OF AIR PHOTO COMPILATION NO. T-5823

Chief of Party: Kenneth O. Crosby

Compiled by: J. H. S. Billmyer

Project: H. T. 242

Instructions dated: April 3, 1941

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a,b,c,d,e, g, and i; 26 and 64)

Yes.

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g, n)

Yes.

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 66; and 66 d, e)

Yes. Sextant used for location of non-floating aids.

4. Blue prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 23)

Blue Print of street layout - Dunedin.

Plate showing street layout - Clearwater.

5. Difference between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

Yes.

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 65 c,h,i) Yes.

7. High water line or marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 44, 45)

Yes. The light line around marsh and mangrove areas defines the outer limits of vegetation visible at high water. The mean high water line is shown on fast land and is represented by a heavy solid line.

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) Yes, low water line is approximate and shoal areas are shown as an aid to the hydrographer.
9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)
Yes.
10. A list of landmarks was furnished on Form 557 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts complied with. (Par. 16d, e, and 60)
No. additional landmarks other than what is already shown on Chart No. 1257.
11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)
Yes. Bridges over unnavigable streams are small fixed span structures and are not accompanied by a note giving clearance.
12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to the source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. C. & G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66i)
No. overlay. See descriptive report for Geographic Names.
13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted. Yes.
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
Yes.
15. The drafting is satisfactory and particular attention has been given the following:
 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report. Yes. A legend was also used.
 2. The degrees and minutes of Longitude and Latitude are correctly marked.
Yes.

5. All station points are exactly marked by line
Direct G.C.C. Yes.
6. Closely spaced lines are drawn sharp and clear
for printing. Yes.
8. Topographic symbols for similar features are of
uniform weight. Yes. Legend also used.
9. All drawing has been retouched where partially
rubbed off. Not necessary to retouch.
7. Buildings are drawn with clear straight lines
and square corners where such is the case on
the ground. Yes.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

No topographic survey required.

17. Remarks:

18. Examined and approved:

Kenneth J. Conly
Chief of Party

19. Remarks after review in office:

Reviewed in office by:

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography

4851943

Page No. 1

TO BE CHARTED } STRIKE OUT ONE
~~RECOMMENDED FOR CHARTING~~DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Topo. Sheet No. T-5823

Clearwater Harbor, Big Pass,
Little Pass - List of Permanent
(Non-floating) Aids to navigation.

September 24, 1941, Tampa, Florida.

1941

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked after listing.

Lieut. Kenneth G. Grosby,

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'								
							D. M. METERS						
	BIG PASS LIGHT NO. 7	28 00	1584	82 49	940	N. A. 1927	Radial Plot	5/12/41	X			1257	
	BIG PASS LIGHT NO. 2A	28 00	1228	82 49	986	"	"	Sextant	9/4-5/41	X		"	
	BIG PASS BEACON NO. 9(?)* 5	28 00	815	82 49	938	"	"	"	"	X		"	
	BIG PASS BEACON NO. 2B	28 00	662	82 49	970	"	"	"	"	X		"	
	BIG PASS BEACON NO. 11(?)*	28 00	433	82 49	714	"	"	"	"	X		"	
	BIG PASS LIGHT NO. 4	28 00	217	82 49	600	"	"	"	"	X		"	
	BIG PASS LIGHT NO. 6(?)*	27 59	1771	82 49	483	"	"	"	"	X		"	
	BIG PASS LIGHT NO. 8(?)*	27 59	1537	82 49	149	"	"	"	"	X		"	
	BIG PASS BEACON (BLACK) (?)*	27 59	1763	82 49	365	"	"	"	"	X		"	
	MANDALAY CHANNEL BEACON NO. 1	27 59	761	82 49	626	"	"	"	"	X		"	
	MANDALAY CHANNEL LIGHT NO. 2	27 59	262	82 49	177	"	"	"	"	X		"	
	MANDALAY CHANNEL LIGHT NO. 4	27 58	1820	82 49	568	"	"	"	"	X		"	
	DUNEDIN CHANNEL BEACON (BLACK) (?)*	28 00	1237	82 49	759	"	"	"	"	X		"	

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* Number of Navigational Aid was missing when this location was determined.

TO BE CHARTED } STRIKE OUT ONE
~~UNDESIGNATED~~

LANDMARKS FOR CHARTS

Tampa, Florida, September, 24, 1941

193

I recommend that the following objects which have ~~(be charted)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing.

Lieut. Kenneth G. Crosby.

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE									
						DATUM							
		°	'	D. M. METERS	°	'	D. P. METERS						
	DUNEDIN CHANNEL BEACON NO. 2	28 00	984	82 49	625	N. A. 1927	Sextant	9/4-5/41	X			1257	
	DUNEDIN CHANNEL BEACON NO. 3	28 00	1051	82 49	294	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 5	28 00	893	82 49	65	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 4	28 00	669	82 49	107	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 5 A	28 00	413	82 49	12	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 6	28 00	220	82 48	1514	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 8	28 00	19	82 48	1366	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 10	28 00	38	82 48	1091	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 5 B	28 00	162	82 48	1050	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 7	28 00	514	82 48	876	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 12	28 00	763	82 48	604	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 9 (Black ?)*	28 00	921	82 48	253	"	"	"	X			"	
	DUNEDIN CHANNEL BEACON NO. 14 (Red ?)*	28 00	982	82 47	1616	"	"	"	X			"	

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-5823

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TO BE CHARTED }
STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa, Florida, September 24, 1941

193

I recommend that the following objects which have ~~(be charted)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(be charted)~~ the charts indicated.

The positions given have been checked after listing.

Lieut. Kenneth G. Crosby,

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE									
		°	'	D. M. METERS	°	'	D. P. METERS						
	DUNEDIN CHANNEL BEACON NO. 11	28 00		1119	82 47		1389	N. A. 1927	Sextant	9/4-5/41	X		1257
	ST. JOSEPH SOUND BEACON NO. 90	28 00		1728	82 47		1064	"	"	"	X		"
	ST. JOSEPH SOUND BEACON (Black)(?)*	28 00		828	82 47		1485	"	"	"	X		"
	ST. JOSEPH SOUND BEACON (Black(?))*	28 00		366	82 48		146	"	"	"	X		"
	ST. JOSEPH SOUND BEACON 88 B	28 00		50	82 48		271	"	"	"	X		"
	ST. JOSEPH SOUND BEACON 88 A	27 59		1629	82 48		331	"	"	"	X		"
	ST. JOSEPH SOUND BEACON NO. 71	27 59		1535	82 48		298	"	"	"	X		"
	Black												
	ST. JOSEPH SOUND BEACON 69(?)*	27 59		1397	82 48		424	"	"	"	X		"
	ST. JOSEPH SOUND BEACON NO. 67 A	27 59		1342	82 48		783	"	"	"	X		"
	ST. JOSEPH SOUND BEACON NO. 67	27 59		89738	82 48		1021	"	"	"	X		"
	ST. JOSEPH SOUND BEACON NO. 65	27 59		903	82 48		1134	"	"	"	X		"
	(North of Causeway)												
	Red												
	CLEARWATER HARBOR BEACON 88 (?)*	27 59		944	82 48		1405	"	"	"	X		"
	Red												
	CLEARWATER HARBOR BEACON 86 (?)*	27 59		512	82 48		1336	"	"	"	X		"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Page No. 4

TO BE CHARTED } STRIKE OUT ONE
~~RECOMMENDED FOR CHARTS~~

LANDMARKS FOR CHARTS

Tampa, Florida, September 24, 1941. 193

I recommend that the following objects which have ~~(be examined)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(be examined)~~ the charts indicated.

The positions given have been checked after listing.

Lieut. Kenneth G. Crosby,

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE		DATUM								
		°	'	D. M. METERS	°		'							D. P. METERS
	(North of Causeway) CLEARWATER HARBOR BEACON 63(?)*	27	58	1707	82	48	1107	N. A. 1927	Sextant	9/4-5/41	X		1257	
	CLEARWATER HARBOR BEACON NO. 61	27	58	1310	82	48	761	"	"	"	X		"	
	CLEARWATER HARBOR BEACON NO. 59	27	58	1007	82	48	592	"	"	"	X		"	
	LITTLE PASS LIGHT NO. 2	27	58	886	82	49	1556	"	"	"	X		"	
	LITTLE PASS LIGHT NO. 1	27	58	243	82	49	1525	"	"	"	X		"	
	LITTLE PASS BEACON NO. 4	27	57	1799	82	49	1316	"	"	"	X		"	
	LITTLE PASS LIGHT NO. 6	27	57	1728	82	49	1215	"	Radial Plot	5/12/41	X		"	
	LITTLE PASS BEACON NO. 6 A	27	57	1644	82	49	1124	"	Sextant	9/4-5/41	X		"	
	LITTLE PASS BEACON NO. 8	27	57	1511	82	49	1044	"	"	"	X		"	
	LITTLE PASS BEACON NO. 1 A	27	57	1406	82	49	945	"	"	"	X		"	
	CAUSEWAY CHANNEL LIGHT NO. 1 C	27	57	1665	82	49	951	"	"	"	X		"	
	CAUSEWAY CHANNEL BEACON 3 C(?)*	27	57	1669	82	49	870	"	"	"	X		"	
	CAUSEWAY CHANNEL LIGHT NO. 5 C	27	57	1629	82	49	632	"	"	"	X		"	

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* Number of Navigational Aid was missing which ~~"THIS"~~ "138410n" was determined.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Page No. 5

TO BE CHARTED } STRIKE OUT ONE
~~TO BE CHARTED~~

LANDMARKS FOR CHARTS

Tampa, Florida, September 24, 1941, 193

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted chart)~~ the charts indicated.

The positions given have been checked after listing.

Lieut. Kenneth G. Crosby,

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'								
		D. M. METERS	D. P. METERS										
	CAUSEWAY CHANNEL LIGHT NO. 7 C	27	57	1728	82 49	543	N. A. 1927	Sextant	9/4-5/41	X			1257
	CAUSEWAY CHANNEL LIGHT NO. 2 C	27	58	70	82 49	445	"	"	"	X			"
	CAUSEWAY CHANNEL LIGHT NO. 9 C	27	58	333	82 49	184	"	"	"	X			"
	CAUSEWAY CHANNEL LIGHT NO. 4 C	27	58	457	82 49	86	"	"	"	X			"
	CAUSEWAY CHANNEL LIGHT NO. 11 C	27	58	266	82 48	1397	"	"	"	X			"
	CAUSEWAY CHANNEL, BEACON (2152, 1942) NO. 13 C	27	57	1846	82 48	956	"	"	"	X			"
	CAUSEWAY CHANNEL, BEACON (2152, 1942) NO. 15 C	27	57	1782	82 48	823	"	"	"	X			"
	CAUSEWAY CHANNEL LIGHT NO. 6 C	27	57	1688	82 48	707	"	"	"	X			"
	CLEARWATER HARBOR BEACON NO. 59 B	27	57	1498	82 48	592	"	"	"	X			"
	CLEARWATER BEACH HARBOR BEACON 1	27	58	939	82 49	720	"	"	"	X			"
	CLEARWATER BEACH HARBOR BEACON 2	27	58	1016	82 49	846	"	"	"	X			"
	* Number of Navigational Aid was missing when this location was determined.												

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No.

T-5823

No. 1.

Name on Survey

		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A.	B.	C.	D.	E.	F.	G.	H.	K.	
✓✓	Dunedin									1. ✓
✓✓	Clearwater Harbor									2 ✓
✓✓	Jerry Lake									3.
✓✓	Harbor Lake									4 ✓
✓✓	Beckett Lake									5 ✓
✓✓	Coachman									6 ✓
✓✓	Watering Pond									7 ✓
✓✓	Big Pass									8 "
✓✓	Redfish Point									9 ✓
✓✓	Scharrer Bayou									10 ✓
✓✓	Scharrer Canal									11 ✓
✓✓	Malone Island									12
✓✓	Malone Point									13
✓✓	Moonshine Island									14 ✓
✓✓	Cove Island									15 ✓
✓✓	Pope Channel									16
✓✓	Clearwater Beach Island									17 ✓
✓✓	Cow Island									18 ✓
✓✓	Lone Palm Island									19 ✓
✓✓	Grassy Island									20 ✓
✓✓	P Sepe Island									21 ✓
2. ✓✓	Big Mangrove Island									22 ✓
2. ✓✓	Pasadees Key									23
✓✓	Clearwater Causeway									24 ✓
✓✓	Clearwater Beach									25
✓✓	Little Pass									26 ✓
✓✓	Clearwater									27 ✓

Remarks.

Decisions

1		280827
2		279828
3		280827
4		279827
5		"
6		"
7		"
8		280828
9	One word, not Red Fish	"
10		"
11		"
12		"
13		"
14		"
15		"
16		279828
17		"
18		"
19		"
20	Not grassey	"
21		"
22		"
23	Submitted to USGB: OK to apply pending decision.	"
24		279827
25		279828
26		"
27		279827

GEOGRAPHIC NAMES

Survey No.

T-5823

No. 2

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A,

B,

C,

D

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✓✓ Stevenson Creek

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M 234

Names and locations
1/11/41
L. Heck

Remarks

Decisions

1	Submitted to USGB: OK to apply pending decision	279827
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DIVISION OF PHOTOGRAMMETRY
Review Report of
Planimetric Map Manuscript T-5823

Subject headings not used in this report have been adequately covered in other parts of the descriptive report.

Radial Plot

The office photographs had been dismantled so that the radial plot could not be checked.

Control

Triangulation stations TRACY, EAST CAUSEWAY, "A", BOOM, and FOLDS were changed to topographic stations because definite geographic positions were not available for them. They have been shown with the conventional Topographic station symbol.

Aids to Navigation

Causeway Channel lights "15C" and "13C" are listed as beacons in the 1942 Light List. The names were corrected during review.

Bridges

There are two bridges over Stevenson Creek which are not listed in the U.S.E. Bridge List and two bridges over Clearwater Harbor, one of which is listed. The field inspection data on the two bridges over Clearwater Harbor is as follows:

Fixed span	Hor. Cl.	54.8'	Vert. Cl.	7.0' (not listed)
Bascule	Hor. Cl.	48.0'	Vert. Cl.	6.0' (listed)

The Bridge List gives a horizontal clearance of 50.0' and a vertical clearance of 6.2'. It is not certain whether these figures are for a bridge whose remains are farther north.

Comparison with Nautical Charts

Chart No. 1257 1:80,000 1941
T-582' was applied to the chart prior to review. ✓

Reviewed by:

Under the direction of:

Lillian Lee 4 Sept. 1943

K.H.M. 11/1/48
D. H. Benson, Chief,
Review Section

Approved by:

B. G. Jones 11/48
Technical Asst. to the Chief,
Division of Photogrammetry

Acting [Signature] 12 Nov 48
Chief, Div. of Photogrammetry

[Signature]
Chief, Nautical Chart Branch
Division of Charts

C. K. Green
Chief, Div. of Coastal Surveys