

2000

Form 504
Rev. April 1935

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic

15-00000

Sheet No. T- 5808

State Florida

LOCALITY

West Coast

New Port Richey AND VICINITY

Date of Photos: - Dec. 1939

1941

CHIEF OF PARTY

Lieut. Kenneth G. Crosby.

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 forwarded to the Office.

SHEET NO.

~~Field~~ No. T-5802

REGISTER NO.

State Florida

General locality West Coast

Locality New Port Richey

Photos.

Scale 1:20,000 Date of ~~survey~~ December 4, 1939

Party

~~Vessel~~ Air Photographic Party No. 1

Chief of party Lieut. Kenneth G. Crosby

Field Inspected

~~Surveyed~~ by Lieut. (j.g.) E.L. Jones; H.A. Duffy, Oct. - Nov. 1940.

Inked by Jesse A. Giles

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

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

Instructions dated April 3, 1940

Remarks:.....

270

Completed survey received in office: 21 July, 1941

Reviewed:

Redrafting completed: 16 Oct. 1944

Published: January, 1946

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
3806	December 4, 1939	10:26	0.4
3807	December 4, 1939	10:27	0.4
3808	December 4, 1939	10:28	0.3
3809	December 4, 1939	10:29	0.3
3894	December 4, 1939	1:14	0.2
3895	December 4, 1939	1:16	0.2

Tide from predicted tables for: Anclote Keys, southend.

Reference Station: Tampa Bay

Camera: U.S. Coast and Geodetic Survey Nine-Lens (focal length $8\frac{1}{4}$ inches)
 Negatives on file at Washington Office.

SCALE

Mean scale of Photographs..... 1:20,000 ÷ 0.9928
 Scale of Survey Sheet..... 1:20,000

STATISTICS

Area (land).....	51.0	Square statute miles
Shoreline (more than 200 m. from opposite shore).....	15.5	Statute miles
Shoreline (creeks).....	33.5	Statute miles
Roads, streets, trails, and railroads.....	146.0	Statute miles

REFERENCE STATION

Station: ELFER, 1934

Latitude: $28^{\circ} 12' 59.994''$ (1846.80m)

Datum: N.A. 1927

Longitude: $82^{\circ} 42' 50.103''$ (1366.21 m)

Florida State Coordinates
 Zone 2 (West)

$x = 270,080.75$
 $y = 1,412,093.68$

Checked by F.H. McBeth

Date of Survey - See page 5

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control Surveys.....	K.W.S.-RD-KGC	Nov.-Dec.-Feb.	60
Planetable Surveys.....			
Total			60

FIELD INSPECTION

Preparation of Photographs.....	ELJ-WHS	July & Aug. '40	10
Field Work.....	ELJ-HAD-KWS	Oct. & Nov.	92
Inking Notes.....	ELJ-HAD	Nov.	6
Coast Pilot Notes.....	ELJ-HAD-KGC	Dec.	3
Geographic Name Report.....	ELJ-HAD	Nov. & Dec.	22
Landmarks for Charts.....	ELJ	Nov. & Dec.	2
Description Cards.....			
Recovery Notes.....	ELJ-HAD-KWS	Nov. 1940 & Jan. 1941	76
Total			211

MAIN RADIAL PLOT

Scale Plot.....	WHS-RD-KWS	Dec.	6
Projection on Base Sheet.....	Washington Office		
Projection on Survey Sheet.....			
Control Plotted.....	KGC-JAG	Jan.-Mar-June	11
Control Checked.....	JHSB-ELJ	Feb. & March	5½
Control Trans. to Base Sheet.....	KGC	March	2
Transfer Checked.....	JHSB-ELJ	March	3
Control Picked on Photographs.....	RD	Nov. 1940	10
Control Checked on Photographs.....	KWS	Dec.	10
Hydro. & Topo. Stations Picked.....	JAG-RD	Dec. '40-Apr. '41	19½
Radial Points Picked.....	KWS	Dec.	12
Adjacent Centers Picked.....	RD	Nov.	7
Templates.....	WHS	Feb.	11
Radial Plot.....	KGC-ELJ	Feb.	3
Radial Points Transferred.....	KGC-JAG	Feb., Mar. & June	11
Transfer Checked.....	JHSB	Feb.	2
H & T Stations Sealed & Checked.....	KGC-JAG	June & July	13
Additional Radial Points.....	JAG	Apr.	17
Total			143

DETAILING

Rough Draft.....	JAG	Apr. - July	383
Smooth Draft.....			
Total			383

COMPILATION

Name Overlay.....	JAG	Apr. & July	13
Descriptive Report.....	JAG - KGC	June & July	15
Field Review.....	KGC	July	23
Total			51

Total Time Spent on Sheet..... 846 Hours

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T--5802

GENERAL

This sheet has been 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 survey sheet is Florida, West Coast, near the town of New Port Richey. The majority of the shoreline on the Gulf of Mexico is composed of marsh and mangrove but much of the shoreline along the Pithlachascotee River is solid ground, especially in the immediate vicinity of New Port Richey.

The whole area is broken up with small swamps, ponds and marshes. The predominating vegetation on the inland portions of terrain of greater elevation consists of oak and pine with palms, palmettos and grass.

CONTROL

There are seven control stations within the tracing limits of this survey sheet; three are triangulation stations and four are traverse stations as follows:

<u>Name of Station</u>	<u>Year</u>	<u>Established by</u>
NEW PORT RICHEY, Mun. W. Tank	1934	G.L. Anderson
ELFER	1934	G.L. Anderson
TARPON SPRINGS, Mun. T. (Lake Butler)	1934	G.L. Anderson
A.U. 3	1934	Fla. Mapping Project
A.U. 4	1934	Fla. Mapping Project
A.U. 5	1934	Fla. Mapping Project
Az. MARK ELFER	1934	G.L. Anderson
		(Tied in by traverse, Florida Mapping Project)

Additional triangulation and traverse stations outside the tracing limits were also used for control when transferring detail from the photograph to the survey sheet.

All traverse stations shown on this survey sheet by 2.5 m.m. black circles are those for which coordinates were unavailable. These stations were located by the radial plot method.

MAIN RADIAL PLOT

A continuous radial plot was laid on February 4, 1941 for the location of radial points, marked hydrographic and topographic stations, bench marks and azimuth marks. This plot covers Sheet No. T-5799 to T-5802, inclusive, and includes all the photographs within the area of these sheets.

The plot comprised of 24 templates which extended southward for a distance

of about 32 nautical miles, from a junction with the previous plot at photographs Nos. 3817, 3875 and 3886, as a northern limit, to photographs Nos. 3897 to 3806 as a southern limit.

All templates in this plot were controlled completely or in part by triangulation or traverse stations, the latter having been established by the Florida Mapping Project. Traverse stations of the "Y" series were plotted by coordinates furnished by the Washington Office but the "AU" series were plotted from coordinates computed at the Tampa Field Office from data furnished by the State Project Manager, Mr. George D. Barnhart, Gainesville, Florida. Fourteen templates were controlled by three to five triangulation stations supplemented by two to seven traverse stations; seven templates were controlled by two triangulation stations and three templates had but one triangulation station but the latter templates were rigidly fixed by radial points already well established by previously laid templates.

The plot was laid with excellent results and no large or unusual adjustments were necessary to obtain good agreement along the flight lines or with radial points located by the previous main plot at the junction of the two plots.

The templates were made in accordance with "Notes on Radial Plotting of Nine-Lens Air Photographs" dated April 9, 1940. The usual practice of laying the main plot was followed and consisted of plotting the control on the survey sheets, transferring it to base grid sheets and then laying the plot on the latter which were securely taped to the plotting table. Upon completion of the plot, the points established by the main radial plot were transferred to the survey sheet by matching grid squares. There was excellent agreement between the grid squares on the base sheets and the survey sheets and the adjustment within a grid square was practically negligible.

All of the points which were determined in the main radial plot by the common intersection of three or more radial lines giving a strong intersection have been transferred to the survey sheet. These points are believed to be within 0.2 m.m. of their true position. Points determined by only two radial lines or points which could not be determined from the common intersection of three or more radial lines have been transferred to the survey sheet by carefully transferring the radial lines themselves for further study by the compiler.

Various colored inks were used on the office photographs and the survey sheet to designate triangulation stations, hydrographic stations, radial points, etc. The following key is furnished for this information.

Photographs (Office Prints)

Triangulation & Traverse Stations.....2.5 mm blue circle
 Marked Hydro. & Topo. Signals.....2.5 mm green circle
 Radial Points (Main Plot).....2.5 mm red circle
 Radial Points (Additional).....3.5 mm red circle
 Photograph Centers.....double circle

Survey Sheet

Triangulation Stations.....3.5 mm high black triangle
 Hydro. & Topo. Stations.....2.5 mm black circle
 Radial Points (Main Plot).....2.5 mm blue circle on back of sheet
 Radial Points (Additional).....3.5 mm blue circle on back of sheet
 Radial Points (Questionable).....3.5 mm green circle on back of sheet

INTERPRETATION OF PHOTOGRAPHS

The photographs (office prints) as a whole were indistinct. The coastal shoreline was especially difficult to interpret, due to darkness or over-exposure of the photographs. No excessive tilt was encountered and no unusual conditions were found. Field notes were plentiful and it is believed an accurate interpretation of the photographs has been made.

FIELD INSPECTION AND DATE OF SURVEY

Field inspection was accomplished by boat and truck under the direction of Lieut. (j.g.) E. L. Jones, assisted by H. A. Duffy, Photogrammetric Aid. This inspection was made during the months of October and November, 1940.

A special report entitled "Field Inspection Report - Horseshoe Point to Anclote Keys, December 27, 1940" has been submitted by Lieut. (j.g.) E. L. Jones which covers the field inspection for this area.

Details on T-5802 are as of date of Photos, Dec. 4, 1939

DETAILING

The celluloid was prepared for inking by being thoroughly cleaned with soap and water and then rubbed with dry magnesium carbonate. No reinking has been necessary.

No road or bridge has been drawn under 6 m.m. wide. Bridges shorter than 6 m.m. long have been exaggerated to facilitate delineation.

The detailing of this sheet has been done according to current instructions. Areas too small or too complex to be readily labeled have been smoothly drafted.

JUNCTIONS

This sheet is joined by T-5801 on the north, T-5819 on the south and on the west by T-5818. The latter two sheets are 1:10,000 scale. Junctions with these two sheets were checked by a precision pantograph and found to be in good agreement.

COMPARISON WITH OTHER SURVEYS

Comparison was made with bromide prints T-1698 and T-1699. No major differences were found. The differences encountered could be attributed to natural erosion or to man-made changes. Due to scale differences, detailed comparison could not be satisfactorily made with other charts and maps available.

GEOGRAPHIC NAMES

The geographic names for this area are the subject of a special report entitled "Investigation of Geographic Names, Horseshoe Point to Anclote Keys", submitted to the Washington Office by Lieut. (j.g.) E. L. Jones.

A map of the city of New Port Richey obtained from the City Clerk is submitted with this report for the purpose of furnishing geographic names of streets, etc. A note signed by Lieut. Jones on the face of this map calls attention to the misspelling of the "Pithlachascote River".

LANDMARKS

There are two prominent landmarks on this survey sheet. Their names and geographic positions are submitted with this report on Form No. 567.

Respectfully submitted,

Jesse A. Giles

Jesse A. Giles,
Draftsman.

Forwarded,

Kenneth G. Crosby

Lieut. Kenneth G. Crosby,
Chief of Party.

TO BE CHARTED }
TO BE DELETED } STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa, Florida

July 3 1947

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated: hydrographic party to determine their usefulness as landmarks.

The positions given have been checked after listing.

R. M. T. R. B. 1934

The positions given have been checked after listing.

~~Lieut. Kenneth G. Crosby~~

Chief of Party.

[illegible]

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.

LEGEND USED ON FIELD INSPECTION
HORSESHOE POINT TO TARPON SPRINGS, FLORIDA
APRIL - DECEMBER, 1940 - LIEUT. H.L. JONES AND H.A. TUFFY

TREES

Pl - Pine
 Cy - Cypress
 Palo - Palmetto
 Palm - Palm
 D T - Deciduous trees (broad leaf)
 Cit - Citrus (orchard)
 Mix - Pine, cypress & Dec. trees
 (Density)
 Sct. - Scattered
 t.w. - Thinly wooded
 h.w. - Heavily wooded
 Scr - Scrub trees; brush

VEGETATION

C - Cultivation
 Gr - Grass
 TGr - Tall Tropical Grass
 M - Marsh (dashed blue line on
 inshore limits)
 M W - Marsh grass in water (dashed blue
 line on offshore limits)
 Sw - Swamp
 Mg - Mangrove
 Hdg - Hedge

STREAMS

Ca - Canal (width)
 Cr - Creek
 D - Ditch (width)
 I S - Intermittent Stream
 HWS - Probable drainage unsurveyed
 Brg - Bridge or symbol
 Cv - Culvert
 Lev - Levee

F.G.S. - Florida Geodetic Survey
 U.S.E. - U.S. Engineers
 USNS - U.S. Biological Survey

ROADS & RAILROADS

Rd 1 - 1st class road (paved)
 Rd 2 - 2nd class road
 Tr - Trail
 R R - Rail Road
 O P - Overpass (state the kind)
 U P - Underpass (state the kind)
 X - Abandoned trail, road, etc.
 RR ab. - R.R. abandoned (grade only)

PONDS

P - Pond
 Cy P - Cypress Pond
 I P - Intermittent Pond

SHORE LINE

H.W.L. - mean high water line (solid
 red line - fast land)
 L.W.L. - low water line (dashed red line)
 L.L. - Light line (solid blue line for
 mean high water line on marsh)
 Ik - Dock
 Pr - Pier
 Se W - Seawall
 Mhd - Bulkhead
 Cons - Concrete
 We - Wooden
 Jet - Jetty
 dol - Dolphin
 pile - pile (give type)
 S - Sand
 Mhd - Mhd
 Rk - Rock or Rocky
 Sty - Stony
 W - Water
 Blf - Bluff (height)

BUILDINGS

H - House, barn or building
 Ch - Church (give name)
 Ct H - Court House (give name)
 Be H - Boat House
 P.O. - Post Office (give name)
 R.R. Sta - Railroad station (give name)
 hos - Hospital (give name)
 Sch - School (give name)

MISCELLANEOUS

F - Fence
 FB - Fire Break (maintained)
 FBK - Fire Break (abandoned)
 Cem - Cemetery
 Park - Park (give name)
 F.T. - Fire Tower
 T.T. - Transmission towers (tall steel)
 P.L. - Power Line
 Sheal - Approx. limits by long dashed
 line for use by hydrographer

REVIEW OF AIR PHOTO COMPILATION NO. T- 5902

Chief of Party: Kenneth G. Crosby Compiled by: J.A. Giles

Project: H.T. - 242

Instructions dated: April 3, 1940

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; 25; and 54)

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. 25; 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)

None used

4. Line prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

Yes

5. Differences 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 66 c,h,i)

Yes

7. High water line or marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 45, and 46)

Yes, see also No. 17

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 to be considered as approximate and should be verified by the hydrographer.

9. Recoverable objects have been located and described on Form 824 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 51, 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, co piled with. (Par. 164, e; and 60)

Yes

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)

12. Draw bridges on Pithlachasse and Analeto Rivers have clearances shown on the drawing. All other bridges are small highway bridges. 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. O. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

No overlay. See paragraph "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. 64j)

Yes. This sheet joins 1; 10,000 sheets on south and west. Junctions were checked by precision pantograph.

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. Legend also used on rough draft
2. The degrees and minutes of latitude and longitude are correctly marked.

Yes

3. All station points are exactly marked by fine black dots.
Yes
4. Closely spaced lines are drawn sharp and clear for printing.
Yes
5. Topographic symbols for similar features are of uniform weight.
Yes, legend also used
6. All drawing has been retouched where partially rubbed off.
Not necessary to reink
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 additional topographic survey required

17. Remarks:

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 only on East land and is represented by a heavy solid line.

18. Examined and approved:

Kenneth G. Conley
Kenneth G. Conley
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~~

	Remarks	Decisions
1		282827
2		"
3	Submitted to USGB: apply this form pending decision	"
4	Submitted to USGB: apply pending decision	"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12	Submitted to USGB: apply pending decision	"
13		"
14		"
15		"
16		"
17		"
18	Submitted to USGB: apply pending decision.	"
19	<i>Referred to Col. DFE</i>	"
20		"
21		"
22		"
23		281327
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-5802

No. 1

Name on Survey

		A	B	C	D	E	F	G	H	K	
		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		
CV	New Port Richey ✓										1
CV	Port Richey ✓										2
CV	Pithlachascotee River ✓										3
CV	Salt Springs Rub ✓										4
CV	Cow Key L H. ✓										5
CV	Boggy Bay ✓										6
CV	Cow Creek ✓										7
CV	Millers Bayou ✓										8
CV	Orange Lake ✓										9
CV	Rocky Creek ✓										10
CV	Oyster Creek ✓										11
CV	Green Key ✓										12
CV	Cross Bayou ✓										13
CV	Big Bayou ✓										14
CV	Big Bayou Point ✓										15
CV	Stony Creek ✓										16
CV	Trouble Creek ✓										17
CV	Fillmans Creek ✓										18
CV	Sawyers Basin ✓										19
CV	Ben Pilot Point ✓										20
CV	Ben Pilot Creek ✓										21
CV	Sand Bay ✓										22
CV	Elfers ✓										23
CV	Anclote River ✓										24
CV	Horseshoe Bend ✓										25
CV	Belchers Hole ✓										26
CV	Salt Lake ✓										27

Remarks.

Decisions

1		281827
2	On T-5818 Added from name sheet No. 23, in Lake Butler	"
3		282826
4	NE Cor T-5802 Not Shown (R.I.T.)	To east of limits of 5802
5		"
6		"
7		"
8		"
9		"
10		"
11	To east of limits this sheet, from Name Sheet 21	"
12	" " "	"
13	" " "	"
14		
15	5818 {	281827
16		281828
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
M 234		

GEOGRAPHIC NAMES

Survey No. T-5802

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	E	F	G	H	K		
✓	✓									1
✓	✓									2
✓	✓									3
✓	✓									4
✓	✓									5
✓	✓									6
✓	✓									7
✓	✓									8
✓	✓									9
✓	✓									10
✓	✓									11
✓	✓									12
✓	✓									13
✓	✓									14
✓	✓									15
✓	✓									16
✓	✓									17
✓	✓									18
✓	✓									19
✓	✓									20
✓	✓									21
✓	✓									22
✓	✓									23
✓	✓									24
✓	✓									25
✓	✓									26
✓	✓									27

Chesapeake Point (L.H.) ✓
Dutchman Key (L.H.) ✓

DIVISION OF PHOTOGRAMMETRY
Review Report of
Planimetric Map Manuscript T-5802

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

Field Inspection

The field inspection is complete with the exception of the rocks off Green Key. These rocks were delineated from an office interpretation of the photographs and are subject to verification by the hydrographic party.

Landmarks

The two landmarks mentioned in the descriptive report are not located on charts 178 and 1257.

Bridges

The bridge data agrees with the 1935 U.S.E. List of Bridges with the exception of the railroad bridge over the Pithlachascotee River. The data for this bridge, which is not listed, is taken from field inspection photograph number 3809.

Comparison with Previous Topographic Surveys

T-1689	• 1:20,000	1884
T-1699	1:20,000	1886

Common features on these surveys are superseded by the map manuscript in their common areas.

Comparison with Nautical Charts

Chart No.	178	1:80,000	1928-41
Chart No.	1257	1:80,000	1941

Deer Island appearing on Chart 178 has been joined to the mainland by a causeway and now carries the name Green Key.

Application to Nautical Charts

The map manuscript has not been applied to Nautical Charts at the date of the review.

Reviewed by:

Under the direction of:

F. H. McBeth 1941 *K.H.M.*
10/27/48

D. H. Benson

T-85

T-5802

Page 2

APPROVED BY:

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

for E. S. Jones 12 Nov 48
K. T. Adams, Chief,
Division of Photogrammetry

R. J. [unclear]
Chief, Nautical Chart Branch
Division of Charts

C. J. Green
Chief,
Division of Coastal Surveys