

8379

1257

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Compilation</u>	
Field No. <u>T-8379</u>	Office No. _____
LOCALITY	
State <u>Florida</u>	
General locality <u>Tampa Bay</u>	
Locality <u>Clearwater</u>	
<u>1943</u>	
CHIEF OF PARTY	
Ray L. Schoppe - Field	
K. G. Crosby - Compilation	
LIBRARY & ARCHIVES	
DATE <u>April 1943</u>	

B-1870-1 (1)++

6238

DATA RECORD

T- 8379

Quadrangle (II): Clearwater

Project No. (II): CS 290 A

Field Office: Tampa, Florida

Chief of Party: Ray L. Schoppe

Compilation Office: "

Chief of Party: K. G. Crosby

Instructions dated (II III):

November 16, 194~~2~~³
1942Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: ✓

Reported to Nautical Chart Section: ✓

Reviewed: 6/7/43

Applied to chart No.

Date:

Redrafting Completed: 9/23/43

Registered:

Published: 1944

Compilation Scale: 1:20000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Largo, Silver Municipal Tank, 1934

Lat.: 27° 55' 07".465 (229.8 m) Long.: 82° 47' 25".826 (706.2 m) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

Florida West Zone

X = 244,710.76

Y = 1,303,931.06

Military Grid Zone (VI)

"B"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
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Shoreline was determined from 1:10000 scale photographs used on Project H. T. 242 in the making of the compilations from which T-8379 was made.

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C.&G.S. Nine-lens ($8\frac{1}{2}$ focal length)

Field Inspection by:

date:

Field Edit by: Clarence C. Fryer

date: Dec., 1942

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) Washington Office date:

" " " checked by: " " date:

Control plotted by: Project H. T. 242 date:

Control checked by: " " " " date:

Radial Plot by: " " " " date:

Corrected
~~Detailed~~ by: Samuel C. Jaspán date: Mar.-April, 194

Reviewed in compilation office by: date: April, 1943

Edward C. Andrews and James H. S. Billmeyer
Elevations on Field Edit Sheet
checked by: Jack Rihm 6/10/43

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 37

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 82 miles

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Shoreline was measured and sent to the Washington office on Project

H. T. 242.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 290-A, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1939 and were published in 1945 on the scale of 1:10,000. Lithographic prints of the base sheets on cloth-mounted paper were furnished to the field parties.

FIELD SURVEYS

No new photography was used in the preparation of this map.

Contouring and revision of the planimetric base map were by planetable methods. The completed field sheets were transmitted directly to the Washington Office as no photogrammetric work was involved in the completing of the base map.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the base map. Contours, additions, and corrections were transferred directly from the field sheets to the appropriate color separation drawing by projector and inked. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680

FIELD EDIT AND FIELD INSPECTION REPORT

QUADRANGLE T-8379

The field work on this quadrangle was accomplished on a base sheet compiled in the Tampa office from existing planimetric maps, numbers T-5823 and T-5824. In compliance with written instructions, therefore, items 1 through 4 in the descriptive report outline have been omitted.

5. Major lines were first selected and routed so as to include closures with as many previously established bench marks as possible. After this was done, transverse lines were run which served to tie temporary bench marks and intersecting hard-surface roads to the level net.

All lines run within the quadrangle had small closures within the limits of error, with the exception of the RL line. This line had a closure of plus 0.62. The adjustment was satisfactorily made by an accumulative decrease of minus 0.017 among 37 stations; it was observed that no less than four subsequent ties between the adjusted points had small closures.

The off-shore islands in this quadrangle are located to the east of Clearwater Beach. Close observation of these islands was made by boat, and it was noted that they were completely covered by a dense growth of mangrove. It is believed that no point on any of these small islands exceeds four or five feet in elevation.

There follows a list of vertical control stations other than U. S. C. & G. S. and Geological Survey established marks which are found in Quadrangle 8379.

Vec Azimuth	2 (U.S.E.D.)	Y 10	Y 38
Vec.	E.D.T. 1	Y 11	Y 51
EDD 79	" 2	Y 12	Y 52
" 80	" 3	Y 33	Y 53
" 81	" 4	Y 34	Y 54
" 82	" 5	Y 35	Y 55
" 83		Y 36	Y 56
" 84		Y 37	Y 57
		Y 37-A	Y 58
			Y 59

6. Planetable methods were used in contouring the entire quadrangle. The terrain was in general flat, and it was found that the only way to define the contours was to get on one and follow it. The contouring was done on a copy of a map assembly made from planimetric maps previously compiled.

Contouring in the wooded areas was accomplished with the plane-table, except that in a few cases where the distances were short hand level and pacing were resorted to. In several cases, drainage was run in by traversing along the wooded area and setting points as near to the drainage as possible; measurements were then taken through the woods to the drainage.

Vertical control for the contouring was furnished by a closely spaced system of fly levels. This control was so spaced that the number of traverses and the distances between vertical control were held to a minimum. In all cases where such traverses were necessary, closures were held to less than 1 foot.

7. There is no information on this item.

8. There is no information on this item.

9. All structures that have been destroyed have been deleted on the compilation.
10. There is no information for this item.
11. All aids to navigation have been checked by planetable methods, and positions of those moved have been established. *See also revision of book.*
12. There is no hydrographic control listed for this quadrangle.
13. All airports and landing fields have been located by planetable methods. The only airport is in rather a poor state of repair. It is not equipped with landing lights, and no runways have been constructed. The edges of the field are marked by unlighted markers. Its only probable value is for daylight emergency landings.
14. All roads have been classified according to instructions issued January 12, 1942. All roads within urban or congested area limits are to be considered Class 1 roads unless otherwise classified on the manuscript.
15. All bridges have been classified according to horizontal and vertical clearance and to capacity.
16. All buildings that are in a good state of repair have been added to the compilation. A great many of the buildings shown on the compilation have been deleted; i.e. Small garages, delapidated houses, open sheds, and similar structures that are of no material value.
17. All political subdivision lines have been checked in the field.
18. A report on the geographic names included within this quadrangle is attached.
19. In accordance with instructions dated December 16, 1942, new vertical control points which were established by the second order

level party of G. C. Mast in 1942-43 have been located directly on the copy of the map assembly by planetable methods with an error of not greater than 0.5 mm. Vertical control points which had previously been located by radial plot were checked as to location, and those which have been destroyed in the interim have been deleted.

46. The field edit on this quadrangle was done by making a visual inspection of the quadrangle. All roads were inspected and classified according to class. All buildings were added either by planetable methods or by measurements from some definite point shown on the compilation. All timber and vegetation classification was made by visual inspection.

Since the corrections on this compilation will be traced on the celluloid sheet, there are no colored inks used on this compilation.

47. This compilation was complete except for the few buildings which were omitted in the congested areas in and around the cities and towns within the limits of the quadrangle. The accuracy of position is good. Some few public buildings were found to be misplaced.

48. The sections of the 20 and 60 foot contours tested on this sheet are within the required limits of accuracy as set forth in the instructions. And 5 foot contours can be added at a later date. These test contours are shown on the sheet by orange lines connected to black dots; the black dots indicate the elevations on the contours ascertained in the field. The test contours were run independent of this topographic sheet on a copy of the map assembly and then transferred to this sheet and checked.

For horizontal accuracy tests, refer to reports for T-8377 and T-8387.

The vertical accuracy tests for this quadrangle were run by
Mr. Charles Hanavich, Principal Photogrammetric Aid.

The levels for this quadrangle and the portion of the descriptive report pertaining thereto were accomplished by Mr.
A. W. Paul Rogers, Photogrammetric Aid.

The contouring on this quadrangle and the portion of the report related to that phase of the work were done by Mr.
Earl R. Loudon, Assistant Engineers Aid.

The main body of this report was written by Mr. C. C.
Fryer, who did the field edit work on the quadrangle.

Respectfully submitted,

Clarence C. Fryer

Clarence C. Fryer
Senior Photogrammetric Aid

Approved 4/23/43

Ray L. Schoppe

Ray L. Schoppe
Chief of Party
WMFP#2

- ~~7~~ 6
COMPILATION REPORT
QUADRANGLE T-8379
PROJECT No. C.S. 290

GENERAL

This sheet is a reduction from 1:10,000 to 1:20,000 of sheets previously compiled (Project H.T. 242) from air photographs.

Information used in the additional detailing of Quadrangle T-8379 was taken from a base sheet which was used in the field.

The Field inspection was good. No trouble was experienced in making the corrections.

Contours were taken from a red line print of the air photo compilations which was used in the field. Twenty, forty and sixty foot contours were shown. Spot elevations were taken of road intersections, railroad crossings and bridges in rural districts and at street intersections in the urban districts.

An overlay sheet was made showing political boundaries. These boundaries were taken from voting precinct maps published by the "St. Petersburg Times". Boundaries that were not clear, were checked at the Pinellas County Court House at Clearwater.

Indistinct names or unnamed triangulation and traverse stations can be corrected from the original compilations, scale 1:10,000 which are on file in the Washington Office.

LANDMARKS AND AIDS TO NAVIGATION

Eight non-floating aids to navigation have been either moved or relocated since the previous compilations were made. The correct geographic positions of these aids are listed on the attached form 567.

See also review of book.

Respectfully submitted,

Samuel C. Gaspar

Samuel C. Gaspar,
Engineering Draftsman

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party....

GEOGRAPHIC NAMES

QUADRANGLE

T-8379 814✓

Crest Lake (name undisputed)

(Excelsior Lake)

This lake[^] has been known as Crest Lake for the past five years; prior to that time, it was known by several names, depending on the ownership. However, since a development was started in this area about five years ago, the Crest Lake sub-division was established by the City of Clearwater to include Crest Lake Park (Crest Lake is a part of Crest Lake Park). The name "Crest" was obviously chosen in view of the fact that the sub-division, the park, and the lake are located at the top or crest of a large hill. In addition, all land deeds verify these names.

Data above verified by:

- (1) Dr. J. J. Harrington
204 South Glenwood
Clearwater, Florida
Resident: 4 years
- (2) Mr. B. Manly, retired
North Glenwood
Clearwater, Florida
Resident: 3 years
- (3) Mrs. E. Y. Clark, housekeeper
East Cleveland
Clearwater, Florida
Resident: 5 years
- (4) Mr. J. B. Morrell, retired
North Glenwood
Clearwater, Florida
Resident: 4 years
- (5) E. L. Hendricks, City Manager
Clearwater, Florida

*Geographic Names Section
Change their records
to Crest Lake 10/10/46
SW*

T-8379

No. 1

Remarks

Decisions

1		278827
2		"
3		"
4		278828
5		"
6		"
7		"
8	Pending with USGB	"
9		"
10		"
11		"
12		"
13		"
14		279828
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24	Pending with USGB	"
25		"
26		"
27		"
M 234		

GEOGRAPHIC NAMES

Survey No. T-8379

CLEARWATER quadrangle

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	
✓ Baskin	✓								1
✓ Walsingham	✓								2
✓ Indian Beach Junction	✓								3
✓ Walsingham Reservoir	✓								4
✓ McKay Creek	✓								5
✓ Anona	✓								6
✓ Church Creek	✓								7
✓ Indian Rocks	✓								8
✗ Indian Rocks Beach		name shown in Bay Pines Quadrangle							9
✓ Haven Beach	✓								10
✓ The Narrows	✓								11
✓ Sand Key	✓								12
✓ McKay Point	✓								13
✓ Largo	✓								14
✓ McKay Creek Reservoir	✓								15
✓ Broken Islands	✓								16
✓ Fence Hole	✓								17
✓ Clearwater Harbor	✓								18
✓ Shell Point	✓								19
✓ Point Pleasant	✓								20
✓ Belleair Beach	✓								21
✓ Long Point	✓								22
✓ Watkins Key	✓								23
✓ Prickly Pear Point	✓								24
✓ Belleair	✓								25
✓ Belleair Biltmore Hotel	✓								26
✓ Belleview Island	✓								27

T-8379

No..2

Remarks.

Decisions

1		279828
2		"
3		"
4		"
5	Pending with USGB	"
6	" " Key rather than Island approved in names report	"
7		"
8		"
9		"
10		"
11		"
12		279827
13	Pending with USGB	"
14		"
15		"
16	Only a small part, if any, on this quad.	"
17		"
18		
19		
20		Railway Guide
21		"
22		Road Maps
23		"
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8379

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	
✓ <u>Little Pass</u>	✓								1
✓ <u>Clearwater Beach</u>	✓								2
✓ <u>Clearwater Beach Island</u>	✓								3
✓ <u>Clearwater Causeway</u>	✓								4
✓ <u>Pasadees Key</u>	✓								5
✓ <u>Big Mangrove Key</u>	✓								6
✓ <u>Cow Island</u>	✓								7
✓ <u>Grassy Island</u>	✓								8
✓ <u>Lone Palm Island</u>	✓								9
✓ <u>Pope Island</u>	✓								10
✗ <u>Pope Channel</u>	✗	Not on finished plate HHC							11
✓ <u>Clearwater</u>	✓								12
✓ <u>Stevenson Creek</u>	✓								13
✓ <u>Watering Pond</u>	✓								14
✓ <u>Crest Lake</u>	✓	10/11/46: See new report in this folder.							15
✓ <u>Harbor Lake</u>		Safety Harbor quadrangle							16
✓ <u>Clearwater Airport</u>	✓								17
✓ <u>Pinellas County</u>	✓								18
✓ <u>Gulf of Mexico</u>	✓								19
✓ <u>Seaboard Air Line Railway</u>									20
✓ <u>Atlantic Coast Line Railroad</u>									21
✓ <u>U.S. Highway No. 19</u>									22
✓ <u>Fla. Highway No. 17</u>		(Druid Road)							23
✓ " NO 15									24
✓ " 360									25
✓ " 64									26
									27

Names underlined in red approved
by L. Heck on 7/27/43

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.

published quadrangle at 1:20,000 scale.

Black and white cloth-mounted copy of the ~~map~~ manuscript. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries~~, woodland, ~~marsh~~, and ~~swamp limits~~, refer to the published quadrangle for the finally adopted ~~positions~~ outlines.

Descriptive Report.

Division.

Filed in the Photogrammetric Section — Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T. Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8379

CLEARWATER QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

The nearest horizontal accuracy test was run in quadrangle T-8377.

A vertical accuracy test was run in this quadrangle and found to be satisfactory. See Item 48, page 4, of the combined Field Inspection and Field Edit Report enclosed in this Descriptive Report.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-1301a	1:20,000	1873
T-4205	1:10,000	1926
T-4214	1:10,000	1926

Comparison with Nautical Charts Nos. 12571

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

The details of T-8379 are complete and adequate for chart correction.

See also next page.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

For the location of all of the many aids to navigation in Clear Water Harbor the black and white file copy of this quadrangle, T-8379, must be used in conjunction with the file copies of planimetric maps T-5823 and T-5824.

Planimetric maps T-5823 and T-5824 show the aids as located in 1941.

Planimetric maps T-5823 and T-5824 were used as a base in preparing this quadrangle, T-8379. Field work on the quadrangle included examination of the aids in December 1942, at which time a number were found to have been moved and were relocated.

All of the lights in this area are shown on the black and white file copy of this quadrangle, T-8379, but only those beacons are shown which were found to be changed and which were relocated in December 1942. For the balance of the beacons, see planimetric maps T-5823 and T-5824.

Reviewed May 31, 1943 By Jack Rubin
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 9/46

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

~~Chief, Topography Section~~

Robert W. Wood
Chief, Div. of Charts
Nautical Chart Branch
Raymond B. Jones
Chief, Div. of Coastal
Surveys