8377

Diag'd. on Diag. Ch. No 1257-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. T-8377 *Office No.*

LOCALITY

State Florida

General locality Tampa Bay

Locality Tampa Shores C\A_ ..ar

194 3

CHIEF OF PARTY

Ray L. Schoppe - Field

Kenneth G. Crosby - Compilation

LIBRARY & ARCHIVES

DATE September 25, 1946

B-1870-1 (1)

8377

Form T-1

DATA RECORD

T- 8377

Quadrangle (II): OLDSMAR **Project No. (II):** 290 A

Field Office: Tampa, Fla. **Chief of Party:** R. L. Schoppe

Compilation Office: Tampa, Fla. **Chief of Party:** K. G. Crosby

Instructions dated (II III): 11/16/42 **Copy filed in Descriptive Report No. T-** **(VI)**

Completed survey received in office: 10/12/43

Reported to Nautical Chart Section: 10/13/43

Reviewed: 1/20/44 **Applied to chart No.** **Date:**

Redrafting Completed: 4/9/44

Registered: **Published:** 1944

Compilation Scale: 1:20,000 **Published Scale:** 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 **Datum Plane (III):** M.S.L. 1929

Reference Station (III): DUNEDIN, 1934

Lat.: 28°02'54".630 (1681.6) m. **Long.:** 82°43'26".210 (715.8) **Adjusted** ~~**Unadjusted**~~

State Plane Coordinates (VI):
Florida System of Plane Coordinates, West Zone
X = 266,486.29 Feet Y = 1,350,976.50 Feet

Military Grid Zone (VI) "B"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide

No 1:20,000 photograph centers fall within the tracing limits of this sheet. The photos from which the northeastern half of the sheet was compiled are listed in the compilation report for Sheet T-8376.

Tide from (III): --

Mean Range: -- Spring Range: --

Camera: (Kind or source) USC&GS 9 lens

Field Inspection by: Ralph E. Houtrouw, Photo.Aid date: Feb. 1943

Field Edit by: Ralph E. Houtrouw Photo. Aid date: Feb. 1943

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

Red-line celluloid print
~~Projection and Grids ruled~~ by (III) Wash. Office date: --

" " " checked by: " " date: --

Control plotted by: Project H.P. 242 date: --

Control checked by: " " date: --

Radial Plot by: Tampa Office Personnel date: July 22, 1943

Detailed by: S.C.Jaspan, Sr.Photo.Aid date: Sept. 1943

Reviewed in compilation office by: A.E.Kidwell, Jr.Topo.Engr. date: Oct. 1943
J.H.S.Billmyer, Asst.Photo.Engr.

Elevations on Field Edit Sheet checked by: H. B. Wright, Photo. Aid date: May, 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): 16.5 (area not previously mapped)

Shoreline (More than 200 meters to opposite shore): Previously reported

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: 143

Roman numberals 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:

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 quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the planimetric base sheet.

Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. A ~~No~~ radial plot was made for this work, using the red-line print as a base.

FIELD EDIT

Comparison of a copy of the corrected manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

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 "blueline" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8377

26. CONTROL

The control on this sheet was plentiful and fairly well distributed. The detail previously compiled on the south and western portions of the sheet could be held to, so the control stations recovered in this area were hardly needed for cutting in additional points.

As the centers of the few 1:20,000 photographs fall just outside of the eastern tracing limits of the sheet, obtaining satisfactory radial points was practically impossible in the area compiled from these photographs. It is thought that the radial points that were cut in are sufficiently accurate though, as the detail in this area is comparatively unimportant.

27. RADIAL PLOT

The main radial plot, of which T-8377 was a part, is discussed in the compilation report for Sheet ~~T-8377~~ T-8363.

28. DETAILING

This sheet is a 7½ minute quadrangle, of which the area along the south and west was compiled from aerial photographs on a scale of 1:10,000 as a part of Project L.T. 242.

The previously compiled portion was furnished this office on a red line celluloid sheet on a 1:20,000 reduction with projection lines for the balance, (northeastern part), of the quadrangle. Corrections and additions were made on the red-line reproduction in black acid ink, and the drafting on the blank area was done in the usual manner.

The photographs were clear and the scale was fair. Field inspection was satisfactory so no difficulty was experienced in the detailing.

A road crossing the junction with Sheet T-8376 on the east does not agree. It is quite apparent that a radial point is in slight error on T-8376 so that the road is shown incorrectly on that sheet. As the sheet has already been sent in, the Washington Office should change the road in question to agree with T-8377. This road was corrected on T-8376 to agree with T-8377 in the Wash. office by the reviewer.

Corporate limits and precinct boundaries were taken from a red-line print upon which they were drawn by the field party. These boundaries were drawn thereon after consulting the proper authorities.

The Hillsborough-Pinellas County line was drawn to connect with the same boundary on sheet T-8362. See compilation report for T-8362 for paragraph regarding this boundary.

The alignment of the new road in the southeastern part of the sheet was taken from a U. S. Engineer drawing.

29. SUPPLEMENTAL CONTROL

No graphic control surveys by this Bureau, or maps and plans by other organizations were used to supplement the photographs or field inspection in the detailing of the sheet.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no existing standard topographic quadrangle maps available in the Tampa office with which T-8376 could be compared.

45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts show the area covered by this sheet in detail.

Respectfully submitted,

Samuel C Jaspan

Samuel C. Jaspan,
Sr. Engineering Draftsman

Forwarded by:

Kenneth G. Crosby

Kenneth G. Crosby,
Chief of Party.

DESCRIPTIVE REPORT

QUADRANGLE T-8377 PROJECT CS 290 BA

The field work for quadrangle T-8377 was accomplished on a base sheet compiled in the Tampa office from existing planimetric maps, numbers T-5821, and T-5822.

The above-mentioned planimetric sheets had been previously compiled, and covered the south and west portions of this sheet. No inspection of this area was necessary, except for the classification of vegetation, roads,etc.

1. The area which was field-inspected in quadrangle T-8377 may be found on photograph 11671, covering the northeastern one-quarter of the quadrangle. It is bounded on the south by U.S.Highway 17, on the west by a sand road running north along the east side of Lake Butler, on the east by the quadrangle limits, and on the north by a predetermined junction along a dirt road and an abandoned paved road. The land in this area is generally flat and is thickly dotted with cypress swamps.

2. All roads, power lines, buildings, structures, and woods were classified.

3. The darker areas on the photographs are thick cypress and evergreen and, in most cases, are swampy. The lighter areas are thinly-scattered pine and grass and are generally found to be on the higher ground.

5. A network of level lines was run throughout the quadrangle to provide vertical control for plane table. These lines were closed under 0.5 feet and no errors were found by running plane-table traverses from one to another.

A small Wye type level was used in running the levels for this quadrangle. On the numerous sand roads, turning points were taken on standard U. S. Coast and Geodetic Survey bronze disks driven into the ground to obtain a solid base for rods; all other points were on hard surfaced roads. The length of shots was held to 500 feet or under and the shots were somewhat balanced in distance.

Closures of 0.30 feet were required on all major loops. Line HQ closed with an error of 0.90 feet at point LP 9. To isolate this error, a line was run from point HQ 11 to point RY 17 on the quadrangle to the south, and a closure of 0.18 feet was obtained. Since point LP 9 is on the east side of quadrangle T-8378, and since all bench marks used for this quadrangle are on the west side, it was surmised that the error was cumulative. To prove this, a line was run from bench mark Tidal No. 3 on the west portion of quadrangle T-8378 through the points in question to bench mark Y 27 near the middle of quadrangle T-8377. Based on the findings of this line, the line LP was adjusted and a closure of 0.50 feet obtained at point LP 9. No adjustment was made for this 0.50 feet because all lines in quadrangle T-8377 check satisfactorily.

All bench marks were searched for or found, and recovery notes have been submitted.

6. Contouring was accomplished by running a planetable traverse along each contour. Drainage was located in the field by planetable methods while running contours; it is shown on the compilation in blue. Dotted lines indicate intermittent drainage, and solid lines indicate perennial drainage.

7, 8. The water line and shoal area etc. are shown on the map compilation. No effort, therefore, was made to inspect the shoreline on the photograph.

14. All roads were classified according to latest instructions.

15. Bridges were classified by Mr. Clarence C. Fryer, Junior Topographic Engineer.

16. Buildings were added and deleted whenever necessary. The one structure of note is an 85-foot steel fire lookout tower on State Highway 229 between Dunedin and Old Tampa Bay.

17. The line between Hillsborough and Pinellas counties comes on this quadrangle and is shown on the map manuscript.

46. Field edit was limited to the compiled portions of the old planimetric sheets referred to above. Field edit on the northeast corner of this sheet will be reported after the compilation is finished.

Buildings and roads were added to the map compilation by plane-table methods or by measuring with a tape from a known point. Deletions, additions, and corrections were made on the map compilation.

47. The compilation for this quadrangle was complete in every way. Numerous deletions were necessary, however. Ramshackle sheds and dwellings and small out-buildings were deleted in accordance with instructions.

48. Because the work on this quadrangle was done in the same type of country by the same crew using the same methods, no vertical accuracy test was made. Refer to vertical accuracy test for quadrangle T-8378.

The levels and the field inspection and field edit for this quadrangle were run by Mr. Ralph E. Houtrouw, Photogrammetric Aid.

Respectfully submitted,

Approved

Ray L. Schoppe
Chief of WMFP#2

Ralph E. Houtrouw
Photo. Aid

18. GEOGRAPHIC NAMES.

The portion of the work covering geographic names was accomplished by Mr. Jack W. Stingley, Jr. Topo. Engineer, and is covered by a special report.

C. F. Chenworth
Lieut. U.S.C&G Survey

Approved

Ray L. Schoppe
Comdr. U.S.C&G Survey
Chief of Party

FIELD EDIT REPORT
SHEET NO. T -8377

46. METHODS

The methods used were the same as discussed in the field edit report for Sheet T-8376. All additions, corrections and deletions are to be found on the cloth bound print of the map compilation.

47. ADEQUACY OF THE COMPILATION

The greater part of this sheet was compiled from existing planimetric maps, to which the writer does not have access, so it is difficult to comment on the adequacy considering the field inspection, as the extent of the field inspection is unknown. The adequacy of that part of the sheet compiled from the 20,000 photographs is good and the adequacy of the sheet as a whole is fair. It was not necessary to make any extensive corrections or additions.

48. ACCURACY TESTS

A vertical accuracy test is discussed in that part of the report submitted by Mr. Ralph E. Houtrouw, Photogrammetric Aid. The writer has no knowledge of the horizontal accuracy test in, or nearest, this quadrangle, and it is assumed this will be covered by a separate report.

There is a horizontal accuracy test for T-8377. One point, a road intersection, was outside the allowable error. This point had been incorrectly detailed and was corrected by the reviewer in the Wash. office.

14. ROAD CLASSIFICATION

All roads not previously classified were classified according to instructions, and it was necessary to change the classification of some, especially those classified, on the planimetric map prior to war mapping.

15. BRIDGES

All bridges not previously classified were classified according to instructions.

18. GEOGRAPHIC NAMES

All geographic names added to this sheet during field edit were taken from a geographic name sheet compiled by Mr. Jack W. Stingley, Jr. Topographic Engineer.

Respectfully submitted,

George E. Varnadoe

George E. Varnadoe,
Prin. Photo. Aid

Approved:

Ray L. Schoppe

Ray L. Schoppe,
Comdr.-USC&GS

T-8377

1

	Remarks	Decisions
1		
2		USGB
3		Railway Guide
4		Road Maps
5		"
6		
7		280826 USGB
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		280827
22		"
23		"
24		"
25		"
26		"
27		"

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GEOGRAPHIC NAMES

Survey No. T-8377

OLDSMAR (not Oldmars)
quadrangle

1 Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Pinellas County										1
Hillsborough County										2
Seaboard Air Line Ry										3
State Road No. 17: also Memorial Highway ~~and Tampa Road~~										4
State Roads 73, 228, 229, 231, ~~232~~										5
										6
Oldsmar										7
Double Branch										8
Double Branch Bay										9
Tampa Shores Road										10
Mobbly Bay										11
Mobbly Bayou										12
Boat Bayou										13
Safety Harbor										14
Booth Point										15
Philippi Point										16
Bridgeport										17
Moccasin Creek	(not Branch)									18
Possum Branch										19
Bishop Creek										20
Lake Bowden										21
Curlew										22
Curlew Creek										23
Curlew Methodist Church										24
Curlew School										25
St. George Lake										26
St. George	(scattered settlement lat. 03.4'/long. 43.5									27

M 234

T-8377

	Remarks	2 Decisions
1		280827
2		"
3		"
4		"
5	Pending with USGB	281827
6		"
7		280827
8		"
9		281827
10		"
11		"
12		"
13		"
14		"
15		"
16		280827
17		281826
18		280827
19		
20		
21		
22		
23		
24		
25		
26		
27		

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GEOGRAPHIC NAMES

Survey No. T-8377

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Lake Branch										1
Cow Branch										2
South Creek										3
South Cove										4
Brooker Creek										5
Lake Butler										6
Wall Point										7
Sandy Point										8
Pasture Fence Point										9
Piney Point										10
Dolly Bay										11
Little Dolly Bay										12
Long Point										13
West Lake Road	(State No. 231)									14
East Lake Road										15
Haines Road	(No. 73)									16
Patterson Road										17
Tampa Road	(also 228)									18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by L. Hack on 3/2/44

M 234

NAUTICAL CHARTS BRANCH

SURVEY NO. 8377

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
9/21/44	1114	E. Pikazari	~~Before After~~ Verification and Review
6/11/46	587		
		DH Benson	~~Before~~ After Verification and Review Fully applied
1257	7-14-55	R.K. McLaughlin	Exam ~~Before~~ After Verification and Review (No Cons)
			Completely applied - JRS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.

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.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. ~~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.

Filed in the Photogrammetric ~~Section - Surveys Branch~~ Division.

Field inspection photographs.

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

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review~~ing 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- 8377

OLDSMAR 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

A horiaontal accuracy test was run in this quadrangle and found to be satisfactory. See Item 48, in the Field Edit Report enclosed in this Descriptive Report. (Report enclosed in Des. Report for T-8378)

The nearest vertical accuracy test was run in quadrangle T-8378.

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.

See Descriptive Reports T-5820, T-5821, T-5822 for comparisons with previous topographic surveys.

Comparison with Nautical Charts Nos. 178, 587, 1114, 1257.

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-8377 are complete and adequate for correction of charts 178, 587 & 1257.

T-8377 has been applied to chart number 1114 since review.

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.

Reviewed 1/20/44 By Harlan E. Reer (Geo. W. M.)
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 8/46

Examined and approved:

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

Robert W. Knox
Chief, Div. of Charts
Nautical Chart Branch

~~Chief, Topography Section~~

Raymond R. Egnan
Chief, Div. of Coastal Surveys