

8388

8388

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>Topographic</u>	
Field No. _____	Office No. <u>T- 8388</u>
LOCALITY	
State <u>Florida</u>	
General locality <u>Pinellas County -</u>	
Locality <u>Bay Pines</u>	
<u>1943</u>	
CHIEF OF PARTY	
<u>Ray L. Schoppe</u>	<u>Field Party</u>
<u>K.G. Crosby</u>	<u>Compilation Party</u>
LIBRARY & ARCHIVES	
DATE <u>June 1943</u>	

## DATA RECORD

T- 8388

Quadrangle (II): Bay Pines

Project No. (II): CS 290A

Field Office: 1101 E. Broadway  
Tampa, Florida

Chief of Party: R. L. Schoppe

Compilation Office: 1101 E. B'way  
Tampa, Florida

Chief of Party: K. G. Crosby

Instructions dated (II III):  
November 26, 1942Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office: ✓ 5/43

Reported to Nautical Chart Section: ✓ 1/45

Reviewed: 7/3/43 Applied to chart No. Date:

Redrafting Completed: 10/11/43

Registered: ✓ 12/46 Published: 1944

Compilation Scale: 1:20,000 Published Scale: 1:31,690

Scale Factor (III): 1.00

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

Reference Station (III): VEC, 1924

Lat.: 27°52'13".074 (402.4m) Long.: 82°51'00" .815 (22.3 m) Adjusted  
~~unadjusted~~State Plane Coordinates (VI):  
Florida Zone 2 (West zone) (Transverse Mercator)

X = 225,301.79 ft. Y = 1,286,448.74 ft.

Military Grid Zone (VI)

"B"



STATISTICS (III)

Land Area (Sq. Statute Miles): 23.4 (previously reported on Project  
HT 242)

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: 42 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:

## 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*

DESCRIPTIVE REPORT

Project CS 290 A - Quadrangle T-8388

The field work on this quadrangle was accomplished on a base sheet compiled in the Tampa office from existing planimetrics maps, numbers T-5826 and T-5829.

The level lines on this area were run between bench marks of the U. S. Coast and Geodetic Survey and the U. S. Engineers' Department. The order of accuracy of the U.S.E.D. marks was not known, but it is thought to be well within the accuracy required for this project.

Major loops were run between bench marks and closed with a small error. Adjustments were made whenever necessary. Then loops were run between points on the big loops and tied with an error of less than 0.5 foot. Adjustments were then made on these loops.

A small dumpy level and stadia-type rods were used.

All bench marks in the area were searched for, and proper recovery notes have been submitted.

The total length of level lines in this quadrangle was 42 miles. 6. Planetable methods were used over the entire quadrangle. The terrain was, in general, flat and it was found that the only methods to define the contours was to get on a contour and follow it.

Contouring in wooded areas was accomplished with the planetable, except that in a few cases where the distances were short, hand level and pacing were resorted to.

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 distance between vertical control was held to a minimum. In all cases where such traverses were necessary, closures were held to less than one foot.

The drainage of this quadrangle is completely shown on the map assembly.

9. All wharves and shoreline structures of any value have been shown. Those of no material value have been deleted. Any new structures built since the compilation was completed have been added.

11. All aids to navigation have been checked by planetable methods for accuracy; none were found to have been moved within the limits of this quadrangle, *except beacons # 30 + 39 (See form 567 attached)*

12. Sufficient hydrographic control has been established to permit future surveys.

13. There are no airports, landing fields, or airway beacons within the limits of this quadrangle.

14. All roads within the limits of this quadrangle have been classified according to type as set forth in the instructions dated January 12, 1942.

15. All bridges have been classified according to capacity and horizontal and vertical clearance.

16. All buildings that were found to be 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 one-car garages, old and dilapidated houses, open sheds, etc.

17. Political sub-division lines shown on the manuscript were plotted from the "Legal Description of Political Sub-division Boundaries" se-

*Form 567 has been removed from this report 11/46. Hgg*

*New positions are shown on the 1:20000 scale copy filed in the vault.*

cured from the Pinellas County Engineers.

46. The field edit on this quadrangle was accomplished by making a visual inspection of the quadrangle. All roads have been inspected and classified. All buildings were added either by plan-table methods or by measurements from definite points shown on the compilation. All timber and vegetation classification was made by visual inspection. Bridges were classified after making a complete field analysis in regard to their condition.

47. This compilation was complete except for the buildings that 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.

The levels for this quadrangle and the report pertaining thereto were accomplished by Mr. Walter F. Robohn, Senior Photogrammetric Aid.

The contouring for this quadrangle and the report for that portion of the work were accomplished by Mr. Earl R. Loudon, Assistant Engineering Aid.

The field edit for this quadrangle and the main body of this report were prepared by Clarence C. Fryer, Junior Topographic Engineer.

Respectfully submitted,

Clarence C. Fryer  
Jr. Topo. Engr.

Approved



Ray L. Schoppe  
Chief of WMFP#2

COMPILATION REPORT  
TO ACCOMPANY  
QUADRANGLE NO. T-8388

Control:

There is no supplemental information to be added to that already mentioned in the report for T-5826 and T-5829.

Radial Plot:

This quadrangle is a 1: 20,000 red line print on acetate which has been assembled from previously completed 1:10,000 planimetric maps in project H.T. 242.

Detailing:

This sheet was revised by inking the red line acetate print. All changes were noted by the Field Inspection Party on a red line print on chart paper. Corporate limits and political boundaries have been determined by the field party and are shown on the acetate drawing by transfer from the paper print. No difficulty was encountered in interpreting the field notes and corrections. All corrections pertaining to the addition of detail were made by holding to clearly defined detail on the assembled compilation of previous work. Contours were transferred to the map drawing by tracing them directly from the metal mounted topographic sheet.

Aids to Navigation:

The field edit of this sheet resulted in a change of position for two non-floating aids. The new location for these aids, namely, Boca Ciega Bay Beacon No. 30 and Boca Ciega Bay Beacon No. 39 were determined by plane table methods. The new positions are listed on Form 567 and made apart of this report.

Submitted by:

*Modesta G. Neilson*

Modesta G. Neilson  
Asst. Engr. Draftsman

Approved:

*Kenneth G. Crosby*  
Kenneth G. Crosby  
Chief of Party...

TESTS FOR HORIZONTAL ACCURACY

Quadrangles T-8387, T-8388, and T-8379  
Project CS 290 A

*place in  
report for T-8388  
So note in reports  
T-8378 & T-8379  
Benson*

This test consists of a traverse between traverse station Y 110 and triangulation station St. Petersburg NW Base. The traverse is 6.22 miles in length and contains 22 test points, 16 of which were well defined and compiled. The first five test points compiled are within the boundaries of Quadrangle T-8387; the remainder are within Quadrangle T-8388, except for the last two points compiled, which are within Quadrangle T-8379.

The traverse closure is one part in 6401, and a discrepancy of 1.56 meters was adjusted through the traverse. The test points are referred to in the computation as P.O. (Photograph Point number) and the test points are scaled from the map manuscript and referred to as M.M.

Description of Point	Tabulation of Test Points			
	Test point number	Latitude	Longitude	Difference in mm.
Inter. of road & road, 90 degrees	P.P. 1	27 50 610.9	82 43 324.0	.170
	M.M. 1	614.3	324.2	
Inter. of road & road, 90 degrees	P.P. 2	27 50 611.9	82 43 949.2	.296
	M.M. 2	614.7	954.4	
Inter. of road & road, 90 degrees	P.P. 3	27 50 612.2	82 43 1186.0	.245
	M.M. 3	612.1	1190.9	
Inter. of road & stream, 45 degrees	P.P. 4	27 50 611.4	82 44 80.4	.709
	M.M. 4	612.9	94.5	
Inter. of road & road, 90 degrees	P.P. 5	27 50 610.9	82 44 348.4	.418
	M.M. 5	613.9	356.2	
Inter. of road & canal; center of bridge, 85 degrees	P.P. 7	27 50 607.9	82 45 227.2	.432
	M.M. 7	616.3	229.2	
Inter. of road & road, 90 degrees	P.P. C	27 50 636.6	82 45 1229.9	.655
	M.M. C	646.3	1238.7	

Description of Point	Test point number	Latitude ° ' "	Longitude ° ' "	Difference in mm.
Inter. of road & ditch 90 degrees	P.P. 12 M.M. 12	27 51 15.8 19.0	82 45 1229.9 1237.3	.403
Inter. of road & road, 90 degrees	P.P. 10 M.M. 10	27 50 1143.0 1143.9	82 45 1229.9 1238.5	.432
Inter. of road & trail, 85 degrees	P.P. 13 M.M. 13	27 51 392.6 399.0	82 45 1229.0 1237.3	.490
Inter. of road & ditch, 90 degrees	P.P. 14 M.M. 14	27 51 835.2 837.9	82 45 1229.9 1236.0	.334
Inter. of road & road, 90 degrees	P.P. 15 M.M. 15	27 51 1635.0 1636.7	82 45 1229.9 1234.3	.236
Inter. of road & road, 90 degrees	P.P. 17 M.M. 17	27 52 583.7 587.1	82 45 1229.0 1233.0	.230
Inter. of road & ditch, 50 degrees	P.P. 18 M.M. 18	27 52 897.2 886.9	82 45 1229.9 1231.5	.521
Inter. of road & ditch, 90 degrees	P.P. 21 M.M. 21	27 52 1427.2 1425.7	82 45 1237.1 1231.2	.304
Inter. of road & RR, 45 degrees	P.P. 22 M.M. 22	27 52 1817.4 1814.4	82 45 1235.3 1235.9	.153

The map manuscript error is less than .5 mm. at the majority of the points tested, except for test points 5, C, and 18. The horizontal accuracy is good and 87.5% of the test points compiled are within the requirements of the instructions.

Submitted by:

Charles Hanavich  
Prin. Photo. Aid

Traverse run by:

William A. Rasure,  
Sr. Photo. Aid

Approved by:

Ray L. Schoppe,  
Chief of Party

Remarks

Decisions

	Remarks	Decisions
1		277827 USGB
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21	Pending with USGE: apply this form awaiting its decision	"
22		"
23		"
24		"
25		"
26		"
27		"

# GEOGRAPHIC NAMES

Survey No. T-8988

PAY PINES 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	
No. 1	A	B	C	D	E	F	G	H	K
<u>Boca Ciega Bay</u>	✓								1
<u>St. Petersburg Beach</u>	✓	not on this	quadrangle						2
<u>Blind Pass</u>	✓								3
<u>Deadman Key</u>		(off limits?)							4
<u>Sunset Beach</u>	✓								5
<u>Treasure Island</u>	✓								6
<u>Long Key</u>	✓								7
<u>Devils Elbow</u>	✓								8
<u>Rabbit Key</u>	✓								9
<u>Twin Sister Keys</u>	✓								10
<u>Treasure Island Causeway</u>	✓								11
<u>Treasure Island City</u>	✓								12
<u>Home Key</u>	✓								13
<u>Stopper Key</u>	✓								14
<u>Kitchen Key</u>	✓								15
<u>Ten Cent Key</u>	✓								16
<u>Moore Island</u>	✓								17
<u>The Kitchen</u>	✓								18
<u>Sunshine</u>	✓								19
<u>Sunset Beach</u>	✓								20
<u>Camp Key</u>	✓								21
<u>Johns Pass</u>	✓								22
<u>Big Bird Key</u>	✓								23
<u>Little Bird Key</u>	✓								24
<u>Mitchell Beach</u>	✓								25
<u>Jacks Boat Basin</u>	✓								26
<u>Madeira Beach</u>	✓								27
<u>Big Key</u>	✓								27

	Remarks	Decisions
1		277827
2		"
3	Pending with USGB: apply this name awaiting its decision	"
4		"
5		278827
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		278828
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22	Pending with USGB	"
23		"
24		
25		
26		Road Maps
27		"

# GEOGRAPHIC NAMES

Survey No. T-8388

No..2

Name on Survey

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Crab Key</u>	✓										1
<u>Broken Island</u>	✓										2
<u>The Jungle</u>	✓										3
<u>Little Basin</u>	(off limits?)										4
<u>Long Bayou</u>	✓										5
<u>Cross Bayou</u>	✓										6
<u>Cross Bayou Canal</u>	✓										7
<u>Bay Pines</u>											8
<u>Bay Pines Station</u>	✓										9
<u>U.S. Veterans Hospital</u>	✓										10
<u>Turtlecrawl Point</u>	✓										11
<u>Seminole</u>	✓										12
<u>Welch Causeway</u>	✓										13
<u>Redington Beach</u>	✓										14
<u>Tripod Key</u>	✓										15
<u>Punkin Key</u>	✓										16
<u>Conch Key</u>	✓										17
<u>Oakhurst</u>	✓										18
<u>McKey Creek</u>	✓										19
<u>The Narrows</u>	✓										20
<u>Indian Rocks Beach</u>	✓										21
<u>Indian Rocks</u>	✓										22
<u>Sand Key</u>	✓										23
<u>Gulf of Mexico</u>	✓										24
<u>Pinellas County</u>	✓										25
<u>U.S. Highway No. 19</u>	✓										26
<u>Fla. " 293</u>	✓										27

Names underlined in red approved  
by L. Heck on 7/14/43

Remarks.

Decisions

	Remarks.	Decisions
1	North of Big Key, south of Welch Causeway	278827
2	Highway bridge across Long Bayou	"
3		
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GEOGRAPHIC NAMES

Survey No. T-8388

Name on Survey											
	A	B	C	D	E	F	G	H	K		
<u>Mansfield Key</u>											1
<u>Seminole Bridge</u>											2
											3
	These two names were omitted from original list.									4	
										<i>made</i>	5
										10/8/43	6
											7
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## 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. 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 woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

### Filed in the Photogrammetric 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 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 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.

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-8388

BAY PINES 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 horizontal accuracy test was run in this area and found to be satisfactory. The test is enclosed in this Descriptive Report.

The nearest vertical accuracy test was run in quadrangle T-8380.

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-1316a	1:20,000	1875
T-4204	1:10,000	1926

Comparison with Nautical Charts Nos. 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-8388 are complete and adequate for chart correction.

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 July 3, 1943 By Willis W. St. John  
under direction of D. H. Benson *(president)*

Inspected by B. G. Jones *B.G. Jones 11/46*

Examined and approved:

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

~~Chief, Topography Section~~

H.C. Edmonston  
for Chief, Div. of Charts  
Nautical Chart Branch  
Raymond H. Egan  
Chief, Div. of Coastal  
Surveys