

10554

ORIGINAL

Diag. Cht. No. 1257-3.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. Ph-171	Office No. T-10554
LOCALITY	
State	FLORIDA
General locality	TAMPA BAY
Locality	PAPYS BAYOU TO GANDY BRIDGE
19 58	
CHIEF OF PARTY	
Arthur L. Wardwell, Tampa Photo. Office	
LIBRARY & ARCHIVES	
MAY 25 1960	
DATE	

USCOMM-DC 5087

10554

DESCRIPTIVE REPORT - DATA RECORD

T - 10554

Project No. (II): **Ph 171**

Quadrangle Name (IV):

Field Office (II): **Tampa**

Chief of Party: **A. L. Wardwell**

Photogrammetric Office (III): **Tampa**

Officer-in-Charge: **A. L. Wardwell**

Instructions dated (II) (III): **8 May 1957**

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **14 Jan 1960**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **MHW**

~~MEAN LOW WATER~~ except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): **Y 48, F.G.S. 1934**

Lat.:

Long.:

Adjusted
~~MEAN LOW WATER~~

Plane Coordinates (IV):

State: **Florida**

Zone: **West**

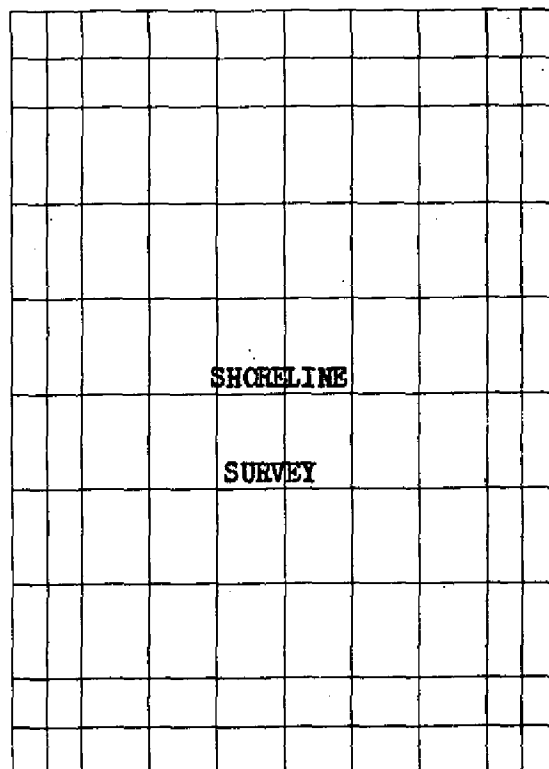
Y= **1,270,693.87 Ft.**

X= **300,787.74 Ft.**

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

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

DESCRIPTIVE REPORT - DATA RECORD

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

George E. Varnadoc
Field Inspection by (II): **I. I. Saperstein** Date: **July 1957**

Planetable contouring by (II): **Inapplicable** Date:

Completion Surveys by (II): **Inapplicable** Date:

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation, July 1957**

Projection and Grids ruled by (IV): **J. B. Phillip** Date: **4 June 1957**

Projection and Grids checked by (IV): **J. B. Phillip** Date: **4 June 1957**

Control plotted by (III): **R. R. Wagner** Date: **5 Sept. 1957**
R. Dossett

Control checked by (III): **W. H. Shearouse** Date: **5 Sept. 1957**

Radial Plot ~~JOSEPH G. G. C.~~ Date: **25 Sept. 1957**
~~JOSEPH G. G. C.~~ by (III): **R. R. Wagner; R. J. Pate**

Planimetry
Stereoscopic Instrument compilation (III): **Inapplicable** Date:
Contours Date:

Manuscript delineated by (III): **R. Dossett** Date: **November 1957**

Photogrammetric Office Review by (III): **W. H. Shearouse** Date: **December 1957**

Elevations on Manuscript
checked by (H) (III): **Inapplicable** Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS Nine-lens, Wild Aviogon & USGS**

Number	Date	Time	Scale	Stage of Tide
56001	16 Apr. 1957	08:14	1:10,000	✓ 0.4
56002	"	08:15	"	"
56003	"	08:15	"	"
56004	"	08:16	"	"
57-L-1621	"	11:00	"	✓ 1.0
57-L-1623	"	11:01	"	"
57-L-1624	"	11:02	"	"
57-L-1625	"	11:03	"	"

Predicted Tide (III)

Reference Station: **Tampa Bay**

Subordinate Station: **None**

Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Ratio of Ranges	Mean Range	Spring Range
--	1.4	1.6

Date:

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (III): **11**✓

Shoreline (More than 200 meters to opposite shore) (III): **27**✓

~~Number of Triangulation Stations established (III):~~

Control Leveling - Miles (II): **Inapplicable**✓

Number of Triangulation Stations searched for (II): **9**

Recovered: **4**

Identified: **5***

Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **34**

Number of Temporary Photo Hydro Stations established (III): **72**✓

Remarks: * Center of footings of Pinellas Park Silver Municipal Tank, 1934, recovered and identified for plot control.

SUMMARY
TO ACCOMPANY SHORELINE MANUSCRIPTS
T-10554 and T-10555

Subject surveys are two of Shoreline Project PH-171 (27380). The project covers the Tampa Bay, Old Tampa Bay and Hillsborough Bay and adjoining land areas of the State of Florida. T-10554 and T-10555 cover that portion of Old Tampa Bay directly south of Gandy Bridge.

The project was assigned to and completed by the Tampa District Office according to instructions of May 1957. It was designed to furnish shoreline manuscripts for the purpose of subsequent hydrographic surveys and their use in revising existing nautical charts.

Field inspection and recovery of control was accomplished during 1957, as well as the radial plot and graphic compilation. The final manuscripts, as submitted, to be used directly for the reproduction of permanent file copy are the result of adequate scribing.

Cronar film positives at the compilation scale of 1:10,000 and the Descriptive Reports will be registered and filed in the Bureau Archives.

October 1959

THE FIELD INSPECTION REPORT
IS SUBMITTED WITH T-10558

COMPILATION REPORT
T-10554

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10558 ✓

31. DELINEATION

The graphic method was used. ✓

The scale of the photographs was satisfactory and field inspection was adequate.

32. CONTROL

See Photogrammetric plot report. ✓

33. SUPPLEMENTAL DATA ✓

~~None.~~ Blueprints of Weedon I. Fla. Power Co. Plant as submitted
2 Sept. 1958 to Chart Division.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage has been delineated as shown on the photographs and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. The numerous piers, boat houses ✓ and other shoreline structures have been delineated according to field inspection notes. There are many alongshore oyster bars which have been delineated as indicated by field inspection.

No low-water line was shown.

36. OFFSHORE DETAILS

Delineated as indicated by field inspection. ✓

37. LANDMARKS AND AIDS

Two landmarks were recommended by the field inspector.

These landmarks and the aids to navigation have been listed on Form 567. submitted 1 May 1958. u.s.g.s.

38. CONTROL FOR FUTURE SURVEYS

Four (4) topographic stations are being listed under Item 49 for use by the hydrographer. Three (3) of these are recovered marked stations and are being submitted on Forms 524.

39. JUNCTIONS

A satisfactory junction has been secured with T-10550 on the north and T-10558 on the south. There is no contemporary survey on the east. U. S. Geological Survey PORT TAMPA FLORIDA QUADRANGLE, Sheet 739009 (1) lies to the west. See Item 46 for junction remarks.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with C&GS Planimetric Map No. T-5828, compiled from air photographs taken Dec. 12, 1939 and supplemented by other surveys to Sept. 1941. Considerable changes in shoreline due to new construction, excavation and filling have occurred. The most outstanding of these is a newly filled area for location of the Florida Power Corporation generating plant just south of Gandy bridge. Completion plans for this plant construction are to be submitted about August 1958, at which time after-dredging plans will also be forwarded for the channel leading to the site.

Comparison was also made with a 1:10,000 scale film positive of sheet 739009 (1) of the Geological Survey PORT TAMPA FLORIDA QUADRANGLE which was compiled in 1955. Junction of streets and roads appear to be satisfactory. Some shoreline and interior changes are noted, the most prominent of which is the large filled area just south of Gandy Bridge at approximate latitude $27^{\circ}51.6'$, longitude $82^{\circ}36.0'$.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with C&GS Nautical Chart No. 587, scale 1:40,000, 9th edition, 14 August 1943 and revised to 4/20/57.


The same discrepancies noted under Item 46 exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None


Rudolph Dossett
Carto - Photo Aid

Approved and Forwarded:


Arthur L. Wardwell
Chief of Party

T-10554Geographic NamesBenjamin IslandChristmas IslandChristmas PassFloridaGandy BridgeGooge IslandMasters Bayou

(apply to inner portion)

Mermaid PointMudhole IslandPapys BayouPapys PointPlacido BayouRiviera BayRoss IslandShore AcresSneak IslandSnug HarborSouth Gandy ChannelTampa BayTinney CreekU.S. 92Weedon HammockWeedon Island

Names approved 8-17-59

L. Hack

49. NOTES FOR THE HYDROGRAPHER

Following is a list of Photo-hydro stations and Topographic stations for the use of the hydrographer:

- 5401 - Center of mangrove bush on sand beach. (1 A)
- 5402 - Center of lone mangrove bush in water. (~~A-1~~^{1A})
- 5403 - Center of lone mangrove bush. (~~A-1~~^{1A})
- 5404 - Center of lone mangrove bush. (~~A-1~~^{1A})
- 5405 - Center of lone mangrove bush. (~~A-1~~^{1A})
- 5411 - Center of lone mangrove bush. (~~A-1~~^{1A})
- 5412 - S.E. corner of pier.
- 5413 - Daybeacon.
- 5414 - S.E. corner of pier.
- 5415 - S.W. corner of end of ditch. (~~A-1~~^{1A})
- 5416 - S.W. corner of pier.
- 5417 - Center of clump of mangrove on shell island. (~~A-1~~^{1A})
- 5418 - Small clump of mangrove offshore about 10 m N.E. of pt. of mangrove. (2A)
- 5419 - Pt. of conical roof atop 3 story bldg. near Skyharbor Airport Hanger.
- 5420 - N.W. edge of clump of detached mangrove bush. (2A)
- 5421 - Pt. of mangrove at S.W. entrance to small cave. (2A)
- 5422 - Offshore end of pier.
- 5423 - S.E. corner of T shaped pier.
- 5424 - Lone 8" palm about 20 m inshore. Flagged (2A)
- 5425 - Center of mangrove bush about 10 m offshore. (2A)
- 5426 - Center of offshore mangrove bush.
- 5427 - mangrove bush offshore.
- 5433 - Northerly tip of mangrove bush. (2A)

- 5434 - Power pole at N end of bridge.
- 5435 - Power pole at S. end of bridge.
- 5436 - S.E. corner of pier.
- 5437 - Offshore end of pier.
- 5438 - Offshore end of pier.
- 5439 - 5" twin pine about 2' from MHWL.
- 5440 - Offshore end of pier.
- 5441 - Offshore end of pier.
- 5442 - S.E. corner of "L" shaped pier.
- 5443 - Tallest pine in area and nearest seawall.
- 5444 - Lone palm about 10 m inshore.
- 5445 - N.E. tip of mangrove point. (2A)
- 5446 - N.E. tip of mangrove point. (2A)
- 5447 - E. tip of mangrove bush about 5 m offshore. (2A)
- 5448 - Offshore end of pier.
- 5449 - N.E. corner of pier.
- 5450 - N.E. corner of pier.
- 5451 - Offshore end of pier from gray stucco house, gravel hipped roof.
- 5452 - Corner of seawall.
- 5453 - N.E. corner of "L" shaped concrete pier.
- 5454 - N.E. corner of "L" shaped pier.
- 5455 - Offshore end of pier, most northerly of 2 piers at house on piles.
- 5456 - Concrete pile with spike on top, about 10 m offshore.
(Topo Sta.) (2A)
- 5457 - Easterly tip of detached mangrove bush. (2A)
- 5458 - Easterly tip of detached mangrove bush. (2A)

- 5461 - Offshore end of pier with sign saying "KEEP OFF".
- 5462 - Offshore end of catwalk along net racks.
- 5463 - Offshore end of the most southeasterly net rack catwalk.
- 5465 - S.W. tip of mangrove bush. (2A)
- 5466 - N.W. tip of a mangrove bush. (2A)
- 5468 - N.W. tip of a small clump of offshore mangrove. (2A)
- 5469 - Center of small ~~clump of~~ offshore mangrove bush about 15 m offshore. (2A)
- 5470 - Center of small mangrove bush approximately 100 m offshore. (2A)
- 5471 - Center of small mangrove bush. (2A)
- 5472 - S.W. tip of a mangrove island. (2A)
- 5475 - Center of a small mangrove bush. The most southwesterly of a group. (2A)
- 5476 - Center of small mangrove bush lying about 5 m offshore. (2A)
- 5477 - Tip of mangrove at SE part of island about 90 m from its southerly tip. (2A)
- 5478 - Ventilator atop a white building with black roof.
- 5482 - N.E. point of mangrove island. (2A)
- 5485 - Point of mangrove on S.E. part of mangrove island. (2A)
- 5487 - Easterly tip of mangrove tree. (2A)
- 5488 - Small clump of grass in water about 2 m east of mangrove island. (2A)
- 5490 - The East tip of mangrove clump about 20 m offshore. (2A)
- 5492 - Center of mangrove clump, about 5 feet in diameter, about 8 m North of another small mangrove clump, on oyster bar. (2A)

Topo Sta. BAD(1941) 1957. Marked by flag at edge of mangrove, 4 m East of station and also has a flag at station. Stump flagged. See Form 524.

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T-10554

- 54100 - Northeast tip of detached mangrove clump.
- 54101 - Center of small detached mangrove clump
- 54102 - West tip of detached mangrove clump, immediately
west of line of low mangroves.
- 54103 - Center of detached mangrove clump.
- 5812 - Southeast tip of detached mangrove clump, the southernmost
of 3 clumps.

5493 - East tip of mangrove in small cove. (2A)

5494 - Tip of mangrove. (2A)

5495 - N.E. pt. of mangrove at SE part of small cove. (2A)

5496 - West end of small detached mangrove clump. (2A)

Topographic Stations.

Radio Mast (steel) WTSP 1957

JOY (1941) 1957

BAD (1941) 1957

DAB (1941) 1957

LEGEND:

General Note = (1A) White stake and white flag.

(2A) Marked by white flag.

16 #4

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-10554

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS

4a Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy WHS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations WHS 8. Bench marks XX
9. Plotting of sextant fixes WHS 10. Photogrammetric plot report MMS 11. Detail points WHS

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. WHS 15. Bridges WHS 16. Aids to navigation WHS 17. Landmarks WHS 18. Other alongshore physical features WHS 19. Other along-shore cultural features WHS

PHYSICAL FEATURES

20. Water features WHS 21. Natural ground cover WHS 22. Planetable contours XX 23. Stereoscopic Instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features WHS

CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads XX 30. Other cultural features XX

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS

40. W. H. Shearouse William A. Rasure
W. H. Shearouse Reviewer Supervisor, Review Section or Unit William A. Rasure

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

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REVIEW REPORT OF
SHORELINE MANUSCRIPTS T-10554 and T-10555
October 1959

62. Comparison with Registered Topographic Surveys

T-1408a	1:20,000	1875
T-1409a	1:20,000	1875
T-4185	1:20,000	1926
T-4199	1:20,000	1926
T-5828	1:10,000	1939
T-5830	1:10,000	1939
T-5836	1:10,000	1939
T-8386	1:20,000	1942
T-8387	1:20,000	1942

This comparison proves only, that subject area changes constantly. T-10554 and T-10555 supersede above-stated registered surveys for nautical charting purposes of common area and detailing.

63. Comparison with Maps of Other Agencies

ST. PETERSBURG, FLA., 1:24,000, 1956, U. S.
Geological Survey

PORT TAMPA, FLA., 1:24,000, 1956, U. S.
Geological Survey

There are minor shoreline changes in that small portion of T-10554, that falls on the St. Petersburg quadrangle. Additional disagreements were noted between subject surveys and the Port Tampa quadrangle. Two extensive shoreline changes were found at Weedon Island (new construction by Florida Power Co.) and at MacDill Air Force Base.

64. Comparison with Contemporary Hydrographic Surveys

Blueprint 56932, 1:10,000, 1958

The shoreline for this hydrographic survey was furnished by subject surveys. There is good agreement with but one exception: On the east shore of the new fill by the Florida Power Co. construction at Weedon Island a passage has been opened since the time of the photography and subsequent field inspection. This passage appears on T-10554 and was detailed from blueprints of Weedon Island, Fla. Power Co. Plant, which were submitted to the Chart Division by the Tampa District Office 2 September 1958.

- 2 -

65. Comparison with Nautical Charts

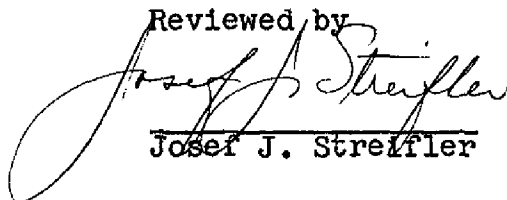
587, 1:40,000, Edition of 1958, Revised to 7/6/59
1257, 1:80,000, Edition of 1943, Revised to 3/2/59

Only one discrepancy was found in this comparison. T-10554 indicates a slip on the north shore of a new fill at Weedon Island (Florida Power Co. construction), which is not shown on the nautical charts.


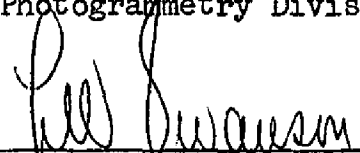
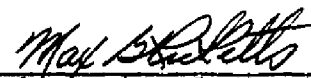

66. Adequacy of Results and Future Surveys

Subject surveys have been compiled according to project instructions and no deficiencies in adequacy or accuracy are indicated.

Reviewed by


Josef J. Streifler

Approved


Chief, Review Section
Photogrammetry Division
Chief, Photogrammetry
Division
17 May 60
Chief, Nautical Chart Branch
Chart Division
Chief, Coastal Surveys
Division