je.).	
			•
	1	h	
	1		
	•		
	٩	1	
	4	•	
	1	1	
100	ĺ		
	Ī	•	
	3		

Diag. Cht. No. 1245 Form 504 U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT Type of Survey TOPOGRAPHIC Field No. Ph-30(48) Office No. T-9161 LOCALITY FLORIDA General locality EAST COAST Locality VOLUSIA COUNTY 194 CHIEF OF PARTY G. E. Morris, Jr., Chief of Party R. A. Gilmore, Tampa Photogrammetric Office LIBRARY & ARCHIVES DATE Sept-2-1952

8-1870-1 (1)

DATA RECORD

T-9161

Project No. (II): Ph-30(48)

Quadrangle Name (IV):

Field Office (II): Titusville, Florida

Chief of Party: George E. Morris, Jr.

Photogrammetric Office (III):

Tampa, Fla.

Officer-in-Charge: Ross A. Gilmore

Instructions dated (II) (III): 13 July 1948

Copy filed in Division of Photogrammetry (IV)

The Director's Instructions, Project Ph-30 (48) dated July 13, 1948.

Office Files

Method of Compilation (III): Graphic

Manuscript Scale (III): 1: 20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV): 1-3-50 Date reported to Nautical Chart Branch (IV): 1-6-50

Applied to Chart No.

Date:

Date registered (IV): /9 May 52

Publication Scale (IV): 1:24,000

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level 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): GODFREY, 1934

Lat.: 28° 54' 13."525 (416.4 meters): 80° 55' 47."157(1277.6 meters) Adjusted

Ayaglastea.

Plane Coordinates (IV):

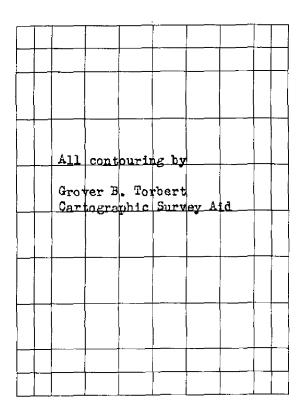
Y=1,661,232.27 Feet

State: Florida Zone: Bast

x= 524, 472.40 Feet

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.



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

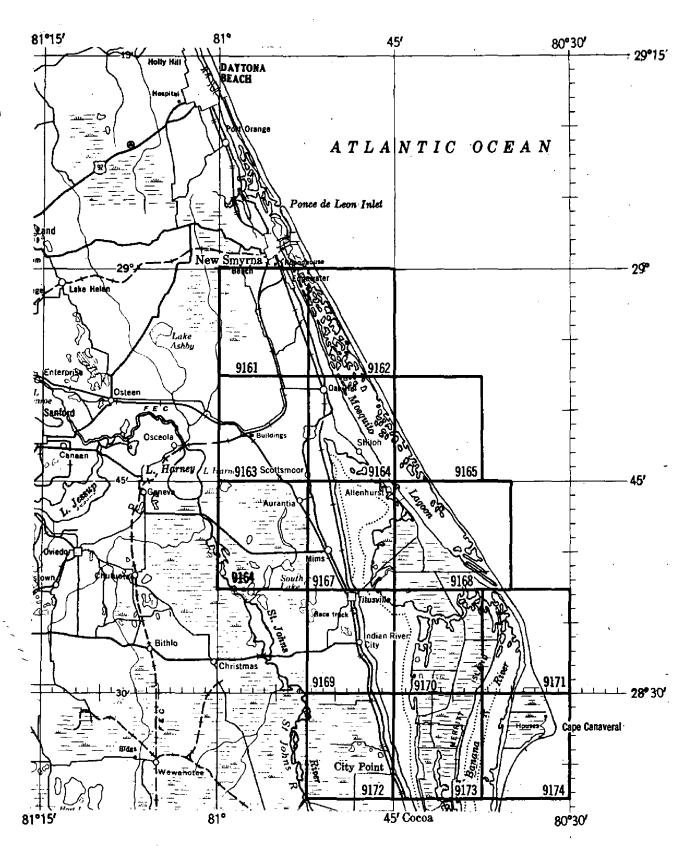
Remarks:

		PHOTOGRAPHS (III)	
Number 48J-524-28 48J-535-39	Date 4-21-48	Time 1333-35 1343-45	Scale 1: 20,000	Stage of Tide
48J-584-86 48J-669-71	4-22-48	0921-22	11	
48J-578 48J-579	19	0911	n n	

Tide (III) Ratio of Mean | Spring Ranges Range Range MAYPORT Reference Station: PONCE DELEON INLET Subordinate Station: Subordinate Station: there is no appreciable periodic Indian River the per Date: 15 Aug 50 Washington Office Review by (IV): J. L. Rihn Date: Final Drafting by (IV): Date: Drafting verified for reproduction by (IV): L. M. Gazik Date: 310ct 51 Proof Edit by (IV): 62.6 Land Area (Sq. Statute Miles) (III): Shoreline (More than 200 meters to opposite shore) (III): 1 Shoreline (Less than 200 meters to opposite shore) (III): 8.7 Control Leveling - Miles (II): 62 4th Order Recovered: Number of Triangulation Stations searched for (II): 26 Identified: 4 Identified: Recovered: Number of BMs searched for (II): (14 Land Lines mon, 3 topo., 1 32 mk) EHR Number of Recoverable Photo Stations established (III): 4 18 Number of Temporary Photo Hydro Stations established (III): None

TOPOGRAPHIC MAPPING PROJECT PH-30(48)

FLORIDA, City Point to Edgewater



Compiled by the U. S. Coast and Geodetic Survey at scale 1:20,000 Printed and distributed by the U. S. Geological Survey at scale of 1:24,000

Summary to Accompany T-9161

This map is one of a series of 14 topographic $7\frac{1}{2}$ minute quadrangles in Project Ph-30(48) and is one of the northernmost maps in the project. It covers part of Indian River North, Florida. These topographic maps were compiled at 1:20,000 scale and are to be published by the U. S. Geological Survey as standard topographic quadrangles.

The registered copies under T-9161 will include the original descriptive report, a cloth-mounted print of the manuscript at a scale of 1:20,000, and a cloth-mounted color print of the published map at a scale of 1:24,000.

FIELD INSPECTION REPORT
QUADRANGLE T-9161
N 28 52.5' - W 80 52.5'/7.5'
PROJECT PH-30(48)
George E. Morris, Jr., Chief of Party

All phases of the field work were completed in accordance with The Director's Instructions, Project Ph-30(48), dated 13 July 1948, and applicable General Instructions except for the deviation noted in paragraph 16.

Horizontal control recovery and identification, and shoreline inspection was by Cecil A. Navin, Topographic Engineer. 73% of the fourth order leveling was by James E. Hundley, Cartographer (Photo), and 10% was by John S. Winter, Cartographic Survey Aid. All other work was completed by the writer, Grover B. Torbert, Cartographic Survey Aid.

Field work was started 28 January 1949 and completed 6 June 1949.

1. DESCRIPTION OF THE AREA

The quadrangle is situated in the southeast part of Volusia County.

The entire area is of flat relief except for two low, but prominent, ridges that extend NW-SE through the quadrangle. U. S. Highway #1 traverses the easternmost of these two ridges, and this ridge cuts through only the NE corner of the quadrangle. The other ridge, approximately three miles farther west, extends the full length of the quadrangle along the west side of Turnbull Hammock, and part of the Maytown Branch of the Florida East Coast Railway is built along this ridge.

Turnbull Hammock varies from one to two miles in width and extends the full length of the quadrangle. The western part of the quadrangle is poorly drained and is comprised of large cypress swamp areas interspersed with smaller areas of semi-open prairie land.

The NE corner of the quadrangle extends almost to the Atlantic and includes a portion of Indian River North (Hillsborough River) with the Intracoastal Waterway channel along the west shore, and numerous mangrove islands on the east side of the channel.

The main line of the Florida East Coast Bailway is parallel to, and approximately one-half mile west of U. S. Highway #1.

The small incorporated town of Edgewater is located along U. S. Highway #1 and the west shore of Indian River North (Millsborough River) near the north limit of the quadrangle.

A small undeveloped area within the corporate limits of New Smyrna Beach extends south into the north part of the quadrangle west of the main line of the Florida East Coast Railway.

With the exception of the area along the west shore of Indian River North (Hillsborough River) and U. S. Highway #1 and a scattering of small citrus groves in Turnbull Hammock of the area is almost completely undeveloped.

The principal livelihoods of the area are: tourist trade along U.S. Highway #1, fishing along Indian River North (Hillsborough River), cattle ranching in the western part of the quadrangle, citrus farming, and logging operations.

2. COMPLETENESS OF FIELD INSPECTION

Field inspection, believed to be adequate and complete, has been shown on the following photographs: 48-J-510, 48-J-524, 48-J-526, 48-J-527(2), 48-J-528(2), 48-J-535, 48-J-536, 48-J-577, 48-J-578, 48-J-579, 48-J-583, 48-J-584, 48-J-585, 48-J-586.

3. INTERPRETATION OF THE PHOTOGRAPHS

Photographic detail was fair and no appreciable difficulty of interpretation was experienced.

4. HORIZONTAL CONTROL

Within the quadrangle two U.S.C.& G.S. stations were searched for, and one was recovered and identified.

North of the quadrangle (also project) nine U.S.C.& G.S. stations were searched for, five were recovered, and six (3 reference marks of lost or destroyed stations) were identified. Fifteen Florida Geodetic Survey traverse stations were searched for, thirteen were recovered and seven were identified. This identification provided strong fixes along the flight lines just north of the project limits.

Horizontal control identification was made on the following photographs: 48-J-508, 48-J-533, 48-J-538, 48-J-581, and 48-J-668.

VV

5. VERTICAL CONTROL

Within the quadrangle, two U.S.C.& G.S. and one U.S.E. third-order bench marks were searched for, recovered, and identified approximately on the contour photographs.

North of the quadrangle Florida Geodetic Survey Traverse Station K-87, also a third-order bench mark, was used for control of fourth-order levels.

Seventy-five temporary bench marks were set along 62 miles of fourth order levels for contour control. The maximum error of closure for any loop was 0.52 ft., and all closures exceeding 0.30 ft. were adjusted.

6. CONTOURS AND DRAINAGE

All contouring was done by planetable methods, and the maximum error of closure was 0.4 ft.

See paragraph 6 in Field Inspection Report for quadrangle T-9162 concerning contours on spoil islands along the Intracoastal Waterway.

A satisfactory contour junction was made with quadrangle T-9163 to the south and quadrangle T-9162 to the east. The north and west limits are also project limits and elevations have been shown along these limits in accordance with general instructions for contouring project limits.

Contouring was done on the following photographs: 48-J-510, 48-J-524, 48-J-526, 48-J-527(2), 48-J-528(2), 48-J-535, 48-J-536, 48-J-577, 48-J-578, 48-J-579, 48-J-583, 48-J-584, 48-J-585, and 48-J-586.

7. MEAN HIGH WATER LINE

Adequately symbolized on photographs 48-J-670 and 48-J-671.

8. LOW WATER LINE

The maximum displacement of the MLWL offshore from the MHWL does not exceed six to eight feet anywhere in the quadrangle and no attempt has been made to delineate this line.

9. WHARVES AND SHORELINE STRUCTURES

Adequately labeled on the shoreline inspection photographs.

10. DETAILS OFFSHORE FROM HIGH WATER DINE

Adequately labeled on the shoreline inspection photographs.

11. LANDMARKS AND AIDS TO NAVIGATION

There are no objects suitable for charting as landmarks within the quadrangle.

Nine fixed aids to navigation were pricked direct, or located by theodolite cuts, and the proper forms are submitted. See Review Refail

12. HYDROGRAPHIC CONTROL

No photo-hydro stations required for this project.

13. LANDING FIELDS AND AERONAUTICAL AIDS

None.

14. ROAD CLASSIFICATION

All roads have been classified on the field inspection photographs in accordance with Photogrammetry Instructions No.10, dated 14 April 1947, and Amendment dated 24 October 1947.

15. BRIDGES

There are no bridges over navigable water within the quadrangle.

16. BUILDINGS AND STRUCTURES

Classified in accordance with Photogrammetry Instructions No.29, dated 1 October 1948, with the exception that all buildings to be mapped have been circled on the field inspection photographs.

17. BOUNDARY MONUMENTS AND LINES

It is believed that an adequate number of public land monuments have been recovered to facilitate easy plotting of the public land lines except in the western part of the quadrangle where the vegetation and the nature of the terrain made extensive search impractical at the time of field inspection.

A map of Cone Properties (6 sheets of photostats submitted) by C. H. Moneypenny, registered engineer and surveyor, Daytona Beach, Florida, was secured from William E. Swoope, Jr., registered surveyor, of New Smyrna Beach, Florida. This survey covers a large area along U. S. Highway #1 and the survey was controlled by original, or accepted corners, and the measurements are reputed to be reliable by local surveyors.

Recovered monuments were described on Forms 524 and identification has been shown on the following photographs: 48-J-525, 48-J-527(2), 48-J-528(2 of 2), 48-J-534, 48-J-537, 48-J-577, 48-J-669, and 48-J-670.

Other boundaries are the subject of a special report for the entire project by Lowell I. Bass, Cartographic Survey Aid. Filed in Divy Photogrammely

18. GEOGRAPHIC NAMES

Subject of a special report for the entire project by Lowell I. Bass, Cartographic Survey Aid. Filed in Geographic Name Section, Div. of Charts

19. TOPOGRAPHIC STATIONS

Three monuments, two standard U.S.C.& G.S. disks and one township line monument, were identified on the photographs and Forms 524 are submitted.

The position for azimuth mark, RM NO.3 GODFREY 1934 can be computed from the new description for GODFREY 1934 submitted on Form 526.

Two azimuth marks north of the project, useable for hydrographic control, were identified on the photographs and Forms 524 are submitted.

20. JUNCTION WITH OTHER AGENCIES

A junction was made along the north limit with Army Map Service 1:50,000, 10 foot contour interval, PORT ORANGE FLORIDA QUADRANGLE MAP and all detail was in good agreement except for the junction of contours in the following localities: beach area between Indian River North(Hillsborough River) and the Atlantic Ocean, in Edgewater east of U. S. Highway No.1, and along a North-South road at longitude 80°58.0¹ (approx). A recheck was made in each area of disagreement and a plethora of spot elevations have been shown in these areas.

Submitted 6 June 1949

Grover B. Torbert

Cartographic Survey Aid

Approved and forwarded 6 June 1949

George E. Morris, Jr.

Chief of Party

-
C
-
o⊓.
Ε
Ε
63
<u> </u>
100
0
-
•
<u>a</u>

Page 1 of 1

SCALE OF MAP 1: 20,000

SCAL FACTOR

N.A. 1927 - DATUM
DISTANCE
FROM GRID OR PROJECTION LINE
IN METERS
IN METERS M-2388-12 (BACK) DATE October 1, 1948 FORWARD (BACK) 333.0 (1514.2) 416.4 (1430.8) 1277.6 (347.9) FORWARD DATUM снескер вуй. В. Каврег OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET. (BACK) FORWARD PROJECT NO.Ph-30(48) OATE September 29, 1948 LATITUDE OR "-COORDINATE LONGITUDE OR "-COORDINATE 10.816 13,525 47.157 52 54 55 88 8 8 DATUM 1927 N.A. = SOURCE OF INFORMATION (INDEX) P.799 G.P. P.124 1 FT. - 3048006 METER COMPUTED BY. B.F. Lempton G.P. 1934 LOS PINOS, 1874 MAP T- 9161 STATION GODFREY,

TOTAL LAVIN			האטובכו מסיייייייייייייייייייייייייייייייייייי	SCALE OF MAP		SCALTACION	K
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	N.A DATUM FROM G	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
K-99 (F.G.S.)	F.G.S.	N.A.	1,705,409.86	5,409.86 (4,590.14)	1648	1648.9 (1399.1)	
1934	P.10	1927	522,918.23	2,918.23 (7,081.77)	886	889.5 (2158.5)	
K-100 (F.G.S.)	=	=	1,706,281,22	6,281.22 (3,718.78)	1914	1914.5 (1133.5)	
1.934	P.10		524,901.77	4,901.77 (5,098.23)	74,94	1494.1 (1553.9)	
CORONADA BEACH	Pl.Coor.		1,709,623.91	9,623.91 (0,376.09)	2933	2933,4 (114.6)	
1934	P.26		531,852,35	1,852.35 (8,147.65)	195	564.6 (2483.4)	
K-87 (F.G.S.)	Comb.	bre ton	1,705,497.51	5,497.51 (4,502.49)	1679	1675.6 (1372.4)	
Sub-Point 1934			508,899.71	8,899.71 (1,100.29)	2712	2712.6 (335.4)	
K-78 (F.G.S.)			1,714,481.45	4,481.45 (5,518.55)	1365	1365.9 (1682.1)	
Sub-Point 1934	=	=	485,041,05	5,041.05 (4,958.95)	1536	1536.5 (1511.5)	
Sub.Point			1,713,544.83	3,544.83 (6,455.17)	1080	1080.5 (1967.5)	
SMYRNA 1934	1	#	499,367.67	9,367.67 (632.33)	2855.3	5.3 (192.7)	
K-84 (F.G.S.)	=	11	1,709,768.58	9,768.58 (231.42)	2977.5	(4.07) 3.	
Sub. Point 1934			501,223.33	1,223.33 (8,776.67)	372	372.9 (2675.1)	
NEW SMYRNA BLAC	¥₹ = -	=	1,700,412,94	412.94 (9,587.06)	125	125.9 (2922.1)	
Sub-Point 1934			523,991.09	3,991.09 (6,008.91)	1216	1216.5 (1831.5)	
773	=	=	1,713,234.15	3,234.15 (6,765.85)	86	985.8 (2062.2)	
#CAT OFFICE			494,894.16	4,894.16 (5,105.84)	149	1491.7 (1556.3)	
K-93 (1,703,617.98	3,617.98 (6,382.02)	2011	1102.8 (1945.2)	
Sub-Point 1934	=	=	516,959.49	6,959.49 (3,040.51	2121.3	(956.8)	
PM. 2 HILL		, ,	1,701,943.28	1,943.28 (8,056.72)	29%	592.3 (2455.7)	
#CAT	=	:	537,203.97	7,203.97 (2,796.03)	219	2195.8 (852.2)	
RW 1 1874	=	=	1,714,619.03	4,619.03 (5,380.97)	140	1407.9 (1640.1)	
SSDO			530,872.21	872,21 (9,127.79)	56,	265.9 (2782.2)	
COMPUTED BY, R.R. Wagner	lagner		DATE APT11 6, 1949	CHECKED BY:	Slavney	ä	7, 1949 " 248
		_			***************************************		

g
N
9
a
4

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINI IN METERS FORWARD (BACK)
CORONADO 1934	Сомр	N.A.	1,711,906.93	1,906.93 (8,093.07) 2,114.95 (7,885.05)		581.2 (2466.8) 644.6 (2403.4)	
					i		
			-				
		,					
:							
		•					
						•	
1 FT. = .3048006 METER			VIO. 1				M-2388
COMPUTED BY. R. B. B. W	agner.	¥0	DATE APPLE OF 1949	CHECKED BY M.M. SLAVNEY	Slavney	DATE APITI 7, 1949	1, 1949 4.1

PHOTOGRAMMETRIC PLOT REPORT

This report was submitted with the Descriptive Report for T-9167.

31. DELINEATION

This map manuscript has been compiled by the graphic method.

All the photographs were of good scale with the exception of 48J-535-536-537 and 538.

The field inspection of the shoreline was adequate. The inshore inspector failed to make junction with quadrangle T-9162 in his vegetation inspection. Areas called "S" by the inspector of T-9162 were not labelled anything on this quadrangle. Little attention was paid to the numerous trails or roads which made it difficult to junction with the Army Map Service Quadrangle "Port Orange" (1943) to the north where several are shown. The compiler was unable to determine whether they are roads, trails or firebreaks. See item 52

32. CONTROL

Only one primary control stations appears within the limits of this quadrangle. A sufficient number of well placed secondary control points were established by the main radial plot to insure good detail points.

33. SUPPLEMENTAL DATA

General Land Office plats.

34. CONTOURS AND DRAINAGE

Generally the contouring was good. In the extreme northeast corner of the quadrangle at the junction with T-9162 the contouring is questionable and is being referred to the field editor for checking.

See New 53

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline of this quadrangle is limited to a small area along the Intracoastal Waterway in the northeast corner of the manuscript.

The field inspector noted that numerous small white areas apparent on the photographs are oyster bars and that they uncover approximately 2 feet at M.H.W. They consequently, have been shown as unlabeled islets.

See Item 6 for information regarding the M.L.W.L.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Nine fixed aids pricked direct or located by the odolite are being submitted on Form 567, four of these are being referred to the field editor for check or relocation.

No landmarks were recommended by the field inspection.

38. CONTROL FOR FUTURE SURVEYS

Seventeen Forms 524 are submitted and accompany this report upon transmittal. Fourteen of these are section or land grant recovered monuments.

All topographic stations usable by the hydrographer are listed under Item 49.

There are no photo-hydro stations.

39. JUNCTIONS

This manuscript joins survey No. T-9162 on the east, T-9163 on the south and "PORT ORANGE" quadrangle (1943) by the Army Map Service on the north. There is no contemporary survey on the west. The junctions on the east and south are in agreement. The junction with the Port Orange quadrangle is in agreement from the Florida East Coast railroad eastward to the limits of the quadrangle. Westwardly the railroad and roads were not in agreement. These were extended 2 cm according to instructions. Disagreeing contours were referred to the field editor.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41 THROUGH 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.C. & G.S. Planimetric Map T-4530 compiled in 1930 at scale of 1: 20,000

Attention is called to the shoreline changes along the Intra-coastal Waterway beginning at latitude 28° 58', longitude 80° 53' and extending southeastwardly to the manuscript limits. These changes are caused by the construction of the new Intracoastal Waterway as shown on this map manuscript.

Inshore areas are in reasonably good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

In comparison with U.S. C. & G.S. Nautical Chart No. 843, scale 1: 40,000, published November 1938, correction date September 4, 1945, the manuscript and chart are in good agreement.

The shoreline changes noted in Item 46 have been corrected on this chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded:

Ross A. Gilmore, 12/14/49

Chief of Party.

andoiph Bossett Cartographer (Photo.)

a.g.W.

48. GEOGRAPHIC NAME LIST

```
- BROWNS BAY
        EDGEWATER V
        - EDGEWATER JUNCTION
        * ELWINDER CREEK *
        FLORIDA EAST COAST RR
        - HUCOMER .
        LITTLE COW CREEK
        - LITTLE SNAPPER CREEK .
        MASSEY RANCH
        - PINE ISIAND BAY
         POTTS CREEK
        - SNAKE CREEK
        - SAND POINT .
        · SOUTH CANAL • /
        · U. S. 1
        · VALCO ROAD · /
        · WEBSTER CREEK
         · Florida *
        · Creighton ·
                                                     (This name panding mith USBGH:
         - Indian River North (Intracoastal Waterway) .
                                                       usethis name
        - Three Sisters Islands
                                                       instead of tills porough Runtil
Ambrose Hull Grant . V
Samuel Betts Grant &
        · Charles Sibbold Grant
        · John Lowe Grant
                                                      Juse Sanchez Gr.
        · Joseph Wales Grant · V
                                                     Jane Murray G
                                                     Geronimo Alvarez G
        · John Bolton Grant . /
          Turnbull Hummock
           Fla AIA (F9162) EHR
            Jose Sanchez Grant
                                       * : Decis. BGN
           Jane Murray Grant
                                       . = Approved name
           Geronimo Alvarez Grant
                                                      1-19-50
```

M-2661-12

50.

43. Remarks:

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9161

1. Projection and grids2. Title	<u>ರ ು ಆ -</u> 3. Manuscript numbers <u>ರ • ಆ -</u> 4. Manuscript size <u>ರ • ಆ -</u>
	CONTROL STATIONS
5. Horizontal control stations of third-order	or higher accuracy MS 6. Recoverable horizontal stations of les
	tions) J.G. 70Photomy@GSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	hotogrammetric plot report WAR 11. Detail points J.G.
9. Flotting of Sextant fixes 10. Fi	notogrammetric prot report 11. Detail points
	ALONGSHORE AREAS
	(Nautical Chart Data)
12. Shoreline J.G. 13. Low-water line	J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges J.G. 16. Aid
	•G• 18. Other alongshore physical features J•G• 19. Other along
shore cultural features J.G.	
Supra Adirara regrates	
	PHYSICAL FEATURES
20. Water features <u>J.G.</u> 21. Natural g	round cover J.G. 22. Planetable contours J.G. 2505027832000
	s in general J.G. 25. Spot elevations J.G.26. Other physical
features <u>J.G.</u>	
	·
	CULTURAL FEATURES
27. Roads J. G. 28. Buildings J.G.	29. Railroads
	BOUNDARIES
31. Boundary lines <u>J.G.</u> 32. Public lar	nd linesJ_G
• -	MISCELLANEOUS
33. Geographic names <mark>- √ ₊ G •</mark> 34. Junctio	ons $J_{ullet}G_{ullet}$ 35. Legibility of the manuscript $J_{ullet}G_{ullet}$ 36. Discrepanc
overlay $J_{ullet}G_{ullet}$ 37. Descriptive Report J_{ullet}	• G. 38. Field inspection photographs J. G. 39. Forms J. G.
40. Jesse A. Giles Jusela	William A. Rasure William A. Rasure
Reviewer	Supervisor, Review Section or Unit
41. Remarks (see attached sheet)	
FIELD COMPLETION AD	DITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by manuscript is now complete except as note	the field completion survey have been applied to the manuscript. The dunder item 43.
Compiler	Supervisor
Compiler	արբություլ

FIELD EDIT REPORT T-9161

51. METHODS

The field edit of this quadrangle was accomplished by traversing, via truck, all passable roads, by boat, and by walking to other areas in which the reviewer requested information or for a general check on the adequacy of the map compilation.

Planetable, theodolite and tape methods were used to make corrections and additions.

The reviewer's questions are answered on the discrepancy prints whenever possible.

All deletions have been noted on the field edit sheet. Additions and corrections have been noted on the field edit sheet and field photographs 48J-528(print #2) 48J-5314, 48J-536, 48J-537, 48J-583.

All work shown on the photographs is properly referenced on the discrepancy print en field edit sheet.

A legend appears on the field edit sheet indicating the different colored inks used for the various additions, corrections and deletions.

52. ADEQUACY OF COMPILATION

The map compilation is believed to be adequate and complete with the corrections added by the field editor.

53. MAP ACCURACY

The horizontal position of the map details, in general, appears to be good.

The contours in the extreme northeast corner of this quadrangle corrected on field photograph 48J-510 and submitted with field edit data for quadrangle T-9162. Some minor corrections were made in the contours near latitude 29° 00' 00", longitude 80° 58' 00", latitude 28° 55' 00" - 28° 56' 00" longitude 80° 57' 00".

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

It is believed that William E. Swope, Jr. Registered Engineer. 124 Canal Street, New Smyrna Beach, Florida, is best qualified to examine a proof copy of this quadrangle.

56. AIDS TO NAVIGATION

Theodolite cuts were obtained for Indian River North Daybeacons (Hillsborough River) 180, 184, and Light 181 which are submitted on Form 24A.

57 BOUNDARY MONUMENTS AND LINES

One boundary monument was recovered and identified. Form 524 is submitted. Several additional points on boundary lines have been indicated on field photographs, 48J-528, prints, 536, and 537. The data for these points on line was taken from Florida East Coast Railroad plans, dated 1916.

58. GEOGRAPHIC NAMES

The cultural feature bearing the name "Turnbull Hammock" has been indicated on the field edit sheet. It extends southeasterly into quadrangles T-9163 and T-9164. Its limits on T-9163 is from latitude 28° 48' 45" north to limits of quadrangle, longitude 80° 55' 00" slanting southeasterly to 80° 53' 40" thence to 80° 52' 30" into quadrangle T-9164 at latitude 280 48! longitude 800 51: 35" thence in a northerly direction along railroad track to 5-foot contour, thence along 5-foot contour to junction with T-9163 again.

Approved and Forwarded:

Arthur L. Wardwell,

Chief of Party.

James E. Hundley Cartographer (Photo.) March 17, 1950

PHOTOGRADMETRIC REVIEW SECTION"

DF COMMERCE U. S. COAST AND GEODETIC SURVEY DEPARTMENT



NONFLOATING AIDS ORGINAMENTE FOR CHARTS

STRIKE OUT ONE TO BE CHARTED

Titamelile, Fla.

e key

1949

I recommend that the following objects which have therefore

George E. Morrede A. Chief of Party. been inspected from seaward to determine their value as landmarks be stric Office The positions given have been checked after listing by charted on (attachments the charts indicated.

)							1	
3 F				POSITION	· ·		METHOD		TRAE	184H0
TORDA		LATI	LATITUDE	LONG	LONGITUDE		LOCATION		BE CF	CHARTS
CHARTING DESCRIPTION NAME	SIGNAL	-	D.M.METERS	0	D. P. METERS	DATUM	SURVEY	LOCATION	OHSNI	
HILLSBOROUGH RYFER DAY BEACON 180		28 59	1166	*5 08	583	1929	Rediel Plet	1949	M	673
HILLSEOMOUN RIVER LEMEN 140		88 59	379	3. 8	33	*		•	H	
HILLS BORGICK DATES DATES OF 142		23	12	8 53	###	¢	*	•	H	
HILLSBORDUCH RIVER DATECACON 146.		85 83	1038	80 53	8%		É		H	*
HILSBOROUN RIVER DATREACON 185		8	3	8 33	9		*	*	_ #	*
RILLSBORYDCH RIVER DATESACCH 126		28 57	925	88	1609		•		М	•
HILLSBORNON RIVIN LIDNE 187		22	63	8	क्रांत	#		*	M	
HILLSBOROUM RIVER DATHEACON 186		28 52	11	80 52	5977	*			H	•
HILLSBOROUGH RIVER DATHERCON 179		8 8	1782	45 00	867			*	M	•
Notes Description of all alds agree	,	with Light List, Intraconstit.	ifst, Ir	traconst	d Water	Š	34 1, 1948.	3		
1 (4	J 9 %)									
										21

Positions of charted landmarks and nonfloating This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804.

Form 567 April 1945

DF COMMERCE DEPARTMENT

U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SECTION NONFLOATING AIDS ENCHARMENTARING FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

Tampa, Florida

M March

I recommend that the following objects which have **REGISTATION** been inspected from seaward to determine their value as landmarks be charted on (REGISTATION) the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

181 HILISBOROUGH RIVER.—Black of a partial condition of the condition of t	STATE		FLORIDA			-	POSITION			METHOD		IART	
t. 18] HILLSBOROUGH RIVER—Black t. 18] HILLSBOROUGH RIVER—Black border on white pile dolphin 1. 180 HILLSBOROUGH RIVER—Red t. 180 HILLSBOROUGH RIVER—Re					3	TITUDE	רסאפ	TUDE	ļ	LOCATION		SE CH	
t. 183 HILLSBOROUGH RIVERBlock border on white pile dolphin 100 HILLSBOROUGH RIVERRed 100 HILLSBO	CHARTI	N M	DESCRIPTION	SIGNAL		D, M. METERS	l	D. P. METERS		SURVEY No.		OHSNI	
Derder on white pile delipin 10. 180 Hillsborouth River-Red	ıt.	181			28 59	ļ			1927	Rad. Plot.	ч85€	K	843
13. 180 HILLSBOROUGH RIVERRed 14. 180 HILLSBOROUGH RIVERRed 15. 180 544 281			-			,				T075-#			
See item bl. thus report		180	HILLSBOROUGH RIVER Rec	•	28 59	 	80 54	1	5	£	8	K	843
See item bb, this report											-		
			item 66, This y	tres									
													ļ
		•											
													22

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

Form 567 April 1945

DEPARTMENT DF COMMERCE

U. S. COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC REVIEW SEC. NONFLOATING AIDS GREEKENDMENERS FOR CHARTS

TCHE DELETED STRIKE OUT ONE

Tampa, Florida

March 3 , 1950

I recommend that the following objects which have (RRIGIAR) been inspected from seaward to determine their value as landmarks be XARREGE TO deleted from) the charts indicated.

The positions given have been checked after listing by Rudolph Dossett

Rudolph Dossett Tampa Photogrammetric Office Arthu

otogrammetric Office Arthur L. Wardwell Chief of Party.

	CHARTS		843	814.3							-		22
		INSHO	K	K									
TAA	нэ вс	BRAH											
		LOCATION	1949										
METHOD	LOCATION	BURVEY No.	1927 Figt.	TOTES			168.						
		DATUM	1927										
	LONGITUDE	D.P. METERS	38	289			for t						
POSITION		-	80 5h	80 54			bmitted	1					
L	300	D.M. METERS	628	9911			position being submitted for these	1 61000					
	LATITUDE	-	28 59	28 59 1			tion b	this					
		SIGNAL			1		_	77					
							A CU G	+			 		
		ION	ITVER	IVER			NOTE; See	200	Ì				
FLORIDA		DESCRIPTION	HILLEBOROUGH RIVER	HIGGDOROUGH RIVER									
STATE		CHARTING	Lt.181	Bn. 180									

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

Review Report T-9161 Topographic Map 14 August 50

- 62. Comparison with Registered Topo Surveys: This survey supersedes common areas on T-1344, 1:20,000 (1874); T-4133, 1:20,000 (1925); and T-4530, 1:20,000 (1928) for charting purposes.
- 63. Comparison with Maps of other Agencies: None
- 64. Comparison with Contemporary Hydro Surveys: None
- 65. Comparison with Nautical Charts: No. 843, 1:40,000 4/3/50. Additions and corrections made during review have been shown in red ink on the manuscript. There were no changes of importance and Nautical Charts.
- 66. Landmarks and Aids to Navigation: Landmarks and aids are listed on Form 567 and filed as Chart Letter No. 19 (1950) in the Division of Charts. See carbon copy following Field Inspection Report.
- 67. Adequacy of Results: This map complies with National Map Accuracy Standards.
- 68. Overlay: An overlay has been prepared showing road classification, control, etc. This map will be edited and published by the U. S. Geological Survey.

Reviewed by:

Jack J. Rihn, Cartographer

Approved by:

Chief. Review Section

Thief. Div. of Photogrammetry

Chief, Nautical Chart Branch

Chief, Div. Coastal Survey

18.24

HISTORY OF HYDROGRAPHIC INFORMATION T-9161, Florida

The available hydrography covering Hillsborough River * is considered to be inadequate for this compilation.

* See item 48

R. E. Elkins

R. E. Elkins - 9/25/50 Nautical Chart Branch