

13108

13108

<p>Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY</p> <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
Type of Survey	Shoreline
Field No.	Office No. T-13108
<b>LOCALITY</b>	
State	Florida
General locality	Florida Coast
Locality	Ft. Pierce
<u>1966-67-68</u>	
<b>CHIEF OF PARTY</b>	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE	

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DESCRIPTIVE REPORT - DATA RECORD  
T-13108

PROJECT NO. (II):  
PH-6710

FIELD OFFICE (III):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):  
Washington Science Center

OFFICER-IN-CHARGE  
V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):  
  
Office: April 6, 1967; April 27, 1967

METHOD OF COMPILATION (III):  
Stereoscopic - B-8 Stereoplotter

MANUSCRIPT SCALE (III):  
1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  
20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GRAPHIC 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):  
PIERCE 2, 1963

LAT.:

LONG.:

ADJUSTED  
 UNADJUSTED

PLANE COORDINATES (IV):  
= 1,104,553.64      x = 729,871.78

STATE  
Florida

ZONE  
East

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

T-13108

FIELD INSPECTION BY (II): None (See remarks below)		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation Nov. 1966 - Feb. 1967 <i>Field edit - May 1968</i>		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 11-3-66	
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser	DATE 11-15-66	
CONTROL PLOTTED BY (III): R. A. Youngblood	DATE 5-15-67	
CONTROL CHECKED BY (III): J. Taylor	DATE 5-15-67	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. Kelly	DATE May-Oct. 1967	
STEREOSCOPIC INSTRUMENT COMPILATION (III): R. A. Youngblood	PLANIMETRY	DATE 7-7-67
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. A. Youngblood	DATE 7-10-67	
SCRIBING BY (III):	DATE	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. P. Battley <del>1968</del>	DATE May 1969	

REMARKS:

Field Edit by:

R. S. Tibbetts May 1968

DESCRIPTIVE REPORT - DATA RECORD  
T-13108

CAMERA (KIND OR SOURCE) (III):

"L" 6" focal length camera (color) "S" RC-8 camera (infrared)

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L-8739-8742	Nov. 26, 1966	9:55	1:40,000	1.6' above MLW
67-S-8259R-8262R	2-24-67	9:08	1:40,000	2.3' above MLW

*\* based on predicted tides*

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Miami Harbor Entrance		2.5	3.0
SUBORDINATE STATION: Ft. Pierce Inlet (breakwater)		2.6	3.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

*J. P. BATTLE*

DATE:

*MAY 1969*

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

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Summary to Accompany Descriptive Report  
T-13100 through T-13117, T-13141 and  
T-13218

PH-6710  
December 1969

This project is comprised of thirteen shoreline manuscripts compiled at 1:20,000 scale, (T-13100 through T-13112), four manuscripts compiled at 1:10,000 scale, (T-13113 through T-13115) and three 1:5,000 scale manuscripts, (T-13116 through T-13117). The area covered is the east coast of Florida from Cape Kennedy to just south of Jupiter Inlet. The maps were compiled as a base for hydrographic survey operations and to update marine charts of the area. Two manuscripts, (T-13218 and T-13141) were added to the project after hydro operations were begun and are discussed in this summary.

Field inspection was accomplished during Sept.-Oct. 1966 and was limited to the recovery and premarking of control.

The project area was flown in November 1966. Infrared and color photography was taken.

Stereoplanigraph bridging of the color photography was begun in April 1967 and continued through October 1967. To support hydrographic survey operations, the bridging data was supplied the Washington compilation section as each of nine strips were bridged. Strips #2 through #8 were bridged by stereoplanigraph methods. Strip #1 was bridged analytically. All bridging photography was 1:40,000 scale. Some difficulty was experienced in bridging the project area - (see the Plot Report for details).

The manuscripts were compiled as bridging was received from April 1967 through February 1968. Ratio photographs were prepared in the usual manner for photo-hydro support use. The photographs prepared were both infrared and color. The field ratio prints, cronaflex copies of the manuscripts and discrepancy ozalids were sent to the field, as completed, to expedite hydro activities. Two new manuscripts were added to the project after hydro operations were begun to develop

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more of the Loxahatchee River which empties into Jupiter Inlet (T-13141, 1:10,000 scale), and T-13218, 1:5,000 scale to further develop the Ft. Pierce harbor area. This accounts for compilation activities extending to June 1968. In the area of the 1:10,000 scale manuscripts - 1967 1:30,000 scale color and infrared photography was available for compilation. In the area of the two 1:5,000 scale manuscripts (T-13116 and T-13117), 1:15,000 scale color photographs were available. T-13218 (1:5,000 scale) was compiled at 1:10,000 scale on the B-8 stereoplotter from 1:40,000 scale photography and then enlarged to 1:5,000 for a hydro support manuscript. This manuscript is thus considered somewhat substandard in accuracy. All compilation was achieved on the B-8 stereoplotter.

Field edit operations were begun in November 1967 and were completed in 1968. To resolve some landmark and aid problems, provide hydro support, and to further clarify differences in compiled features for Marine Charts, additional field work was accomplished in February 1969. Field edit operations required the location of most of the daybeacons throughout the project area and verification of compiled features.

The application of field edit corrections and/or additions was accomplished in the Washington compilation office as received from the field with some interruption for higher priority projects. Field edit application and final review was completed in November 1969. As field edit corrections were applied to each T-sheet and checked for completeness, a cronaflex copy was ordered for the Marine Chart Division. Hydro verification was being accomplished at the same time of final review and close liaison was maintained between sections.

A Registration Manuscript Copy will be registered in the Bureau Archives under their respective T-numbers.

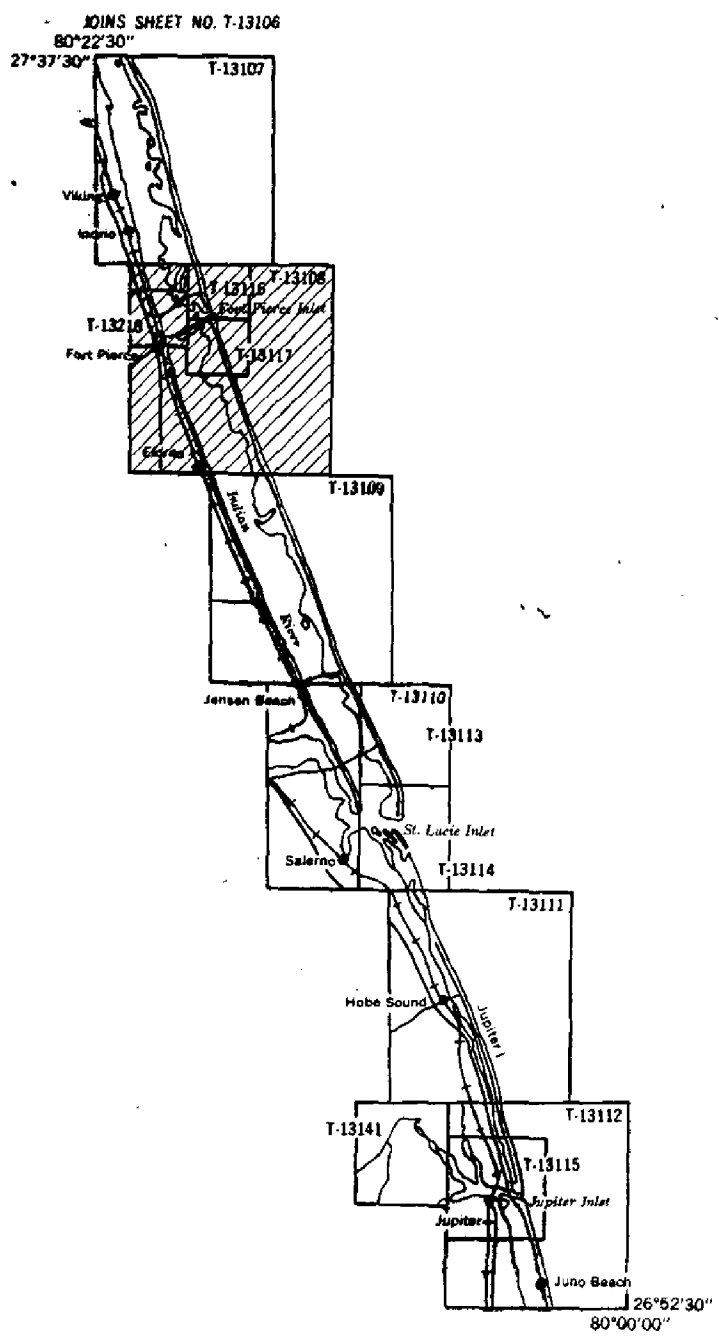
Submitted by,

*Jeter P. Battley, Jr.*

J. P. Battley, Jr.

# PROJECT DIAGRAM

## INDEX TO ADJOINING SHEETS PH-6710.



PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6710  
Cape Kennedy to Jupiter Inlet, Florida

October 27, 1967

21. Area Covered

This report covers the bridging of the Florida east coast from Cape Kennedy to Jupiter Inlet. Included in this area are T-sheets T-13100 thru T-13112 at 1:20,000 scale, T-13113 thru T-13115 and T-13141 at 1:10,000 scale and T-13116, T-13117 and T-13218 at 1:5,000 scale.

22. Method

Eight strips were bridged by stereoplanigraph methods and one strip (Strip #1) by STK methods. All were adjusted by the IBM 1620 method. Strip #1 (66-L(C)-8716 thru 8731) was bridged holding six stations as control and three stations plus tie points as checks. Strip #1-C (66-L(C)-8708 thru 8716) was adjusted holding five control stations with two stations as checks. Strip #2 (66-L-8822 thru 8832) was adjusted on four stations. Strip #3 (66-L(C)-8696 thru 8702) was adjusted on four stations with tie points as checks. Strip #4 (66-L(C)-8738 thru 8748) was adjusted on four stations with tie points as checks. Strip #5 (66-L(C)-8768 thru 8799) was adjusted on five stations with two stations and tie points as checks. Strip #6 (66-L(C)-8782 thru 8797) was adjusted on five control stations with tie points as checks. Strip #7 (66-L(C)-8773 thru 8779) was adjusted on three stations. Strip #8 (66-L(C)-8804 thru 8821) was adjusted on three stations with tie points as checks.

All plates were drilled by the PUG method. Tie points between strips were averaged.

23. Adequacy of Control

Horizontal control complied with project instructions. Most of the control stations were premarked with additional sub-stations selected on color photos taken with a hand-held camera. These photos were used before the strip photography was available. Many of the images selected on the hand-held photographs could not be determined on the strip photography. In some cases the premarked stations could not be seen clearly in the strip photography.



Stations which could not be held within National Map Accuracy Standards and the probable reasons for the source of error are as follows:

STRIP #1

BET, 1967, SS "A" and SS "B" - Could not be clearly seen on the 1:40,000 scale photography.

POLE (TEMP), EASE PT. "C", 1967, Panel, SS "A" and SS "B" - The positions of this station and its substations were determined by a short baseline method. With the small angle involved and the evidence of bridging residuals, this station was treated as a passpoint between Strips #1 and #8.

PIERCE 2, 1963 - Only the 1:40,000 scale target was considered as a good point in Strip #1. All other substations were dropped from the adjustment.

STRIP #2

RADAR, 1955, SS "A" was a very poor image point on this strip and was dropped from the adjustment.

STRIP #5

VALKARIA, 1960 (Target) and TURKEY CREEK, 1877 (Target) gave large residuals in the adjustment phase and were dropped. The substations for these stations were used in place of the targets and showed good residuals in the adjustment.

STRIP #6

TRIPOD 3, 1963, SS "A" - No reason could be determined for this substation not holding in the adjustment. It was dropped from the bridge.

STRIP #7

ARTESIA, 1953, SS "A" - No reason could be determined for the error in this station. Since two companion points held, the substation was dropped.

STRIP #8

POLE (TEMP), EASE PT. "C", 1967 - See note under Strip #1.

24. Supplemental Data

Local USGS quads were used for elevations during bridging operations.

25. Photography

Photography was adequate as to coverage, overlap, definition, and quality.

Submitted by:

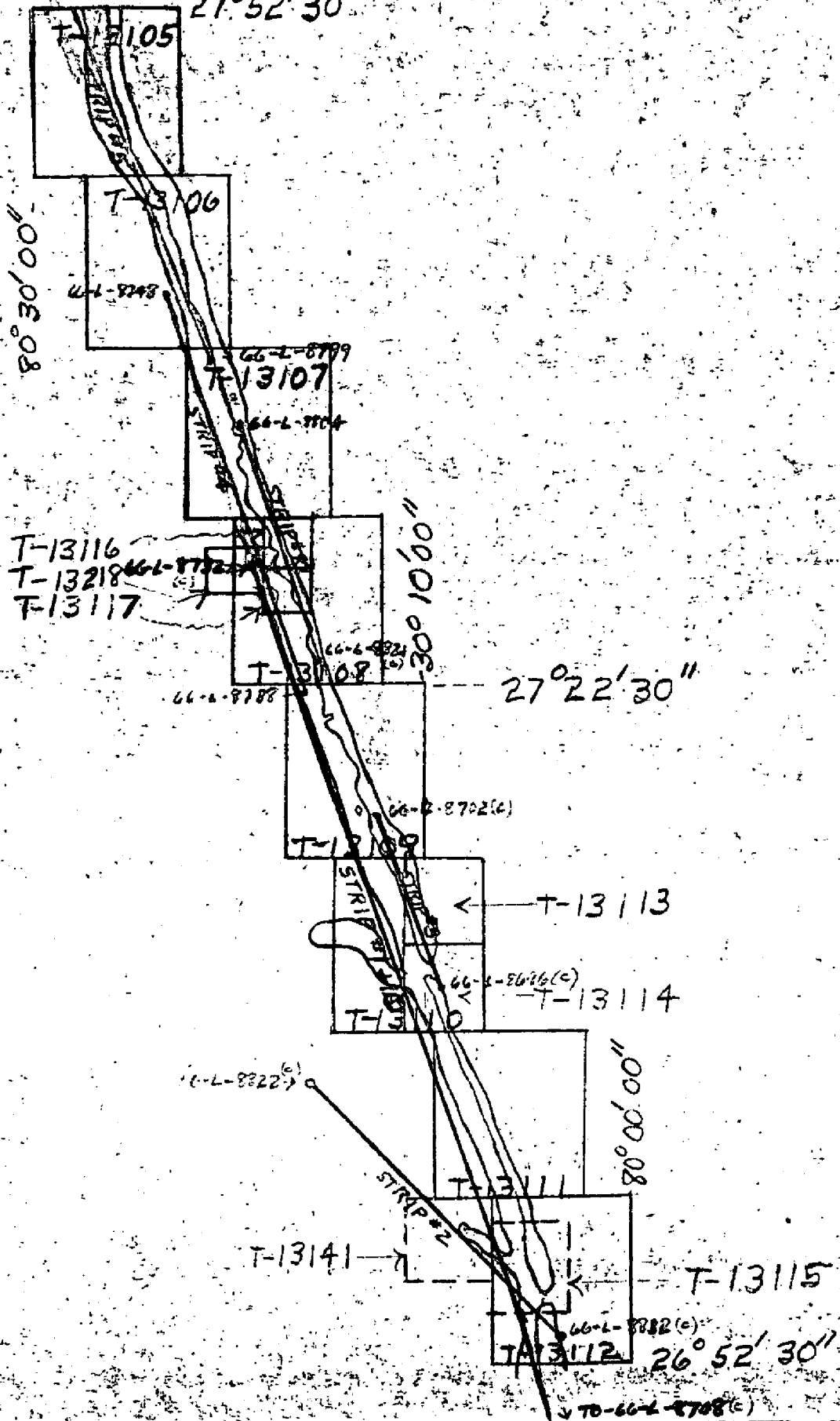
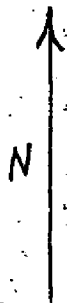
Robert B. Kelly

Approved by:

John D. Perrow Jr.

PH-6710  
FLORIDA COAST

27° 52' 30"



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Compilation Report  
Project PH-6710  
T-13108  
July 1967

31. Delineation

This manuscript was compiled on the B-8 stereoplotter at a scale of 1:20,000 using 1:40,000 color plates. Infrared photographs ratioed to manuscript scale were used for a graphic refinement of the MHWL.

Manuscripts T-13113, T-13114 and T-13218, compiled at a scale of 1:5,000 were reduced to 1:20,000 and made a part of this manuscript.

Points were positioned along the shoreline to facilitate hydrographic signal location and cronapaque ratio prints of the photography were resected to the manuscript in the standard manner for photo hydro support.

This manuscript was also delineated according to Marine Chart specifications to provide a new base for Chart 845-SC.

32. Control

Identification, density and placement of control was adequate.

33. Supplemental Data

Small-craft chart 845-SC, scale 1:40,000, August 20, 1966, was used as an aid in locating landmarks and aids in the area. Geological Survey Quad., Ft. Pierce, Florida, scale 1:24,000, dated 1949 was used for Geographic Names Standard.

34. Contours and Drainage

Inapplicable.

35. Shoreline and Alongshore Details

Delineation of the shoreline and alongshore details was accomplished by office interpretation of the photographs.

36. Offshore Details

No comment.

37. Landmarks and Aids

Twenty-eight aids to navigation and six landmarks have been shown on the manuscript.

38. Control for Future Surveys

No comment.

39. Junctions

Junction has been made and is in agreement to the North with T-13107 and to the South with T-13109.

40. Horizontal and Vertical Accuracy

No comment.

41.45. Inapplicable

46. Comparison with Existing Maps

Comparison has been made with Geological Survey Quad., Ft. Pierce, Florida, scale 1:24,000, dated 1949,

47. Comparison with Nautical Charts

Comparison has been made with Nautical Charts #1247, scale 1:80,000, revised to 3-6-67 also 845-SC, scale 1:40,000, dated August 20, 1966, and Chart 582, scale 1:10,000, 2nd Edition, February 15, 1965.

Submitted by,

*R. A. Youngblood*  
R. A. Youngblood

Approved by,

*K. N. Maki*  
K. N. Maki

Chief, Compilation Section

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

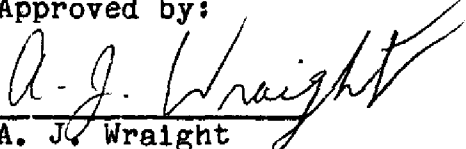
PH-6710 (Cape Kennedy to Jupiter Inlet)

T-13108

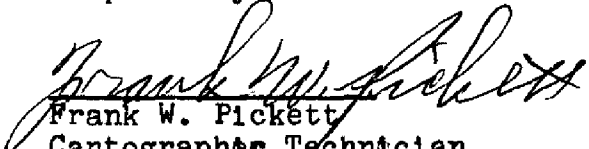
Atlantic Ocean  
Bear Point  
Bear Point Cove  
Causeway Island  
Cook Point  
Coon Island  
Faber Cove  
Fort Pierce  
Fort Pierce Cut  
Fort Pierce Inlet  
Hook Point  
Hutchinson Island  
Indian River  
Intracoastal Waterway  
Jack Island  
Jennings Cove

Jim Island  
Little Mud Creek  
Middle Cove  
Middle Point  
Negro Cut  
North Jetty  
Pete Stones Creek  
St. Lucie Cut  
Shortys Slough  
Snapper Cut  
Taylor Creek  
Thumb Point  
Tucker Cove  
White City  
Wildcat Cove

Approved by:

  
A. J. Wraight  
Chief Geographer

Prepared by:

  
Frank W. Pickett  
Cartographic Technician

#### 49. Notes for the Hydrographer

T-13108, scale 1:20,000, provides ocean shoreline with accompanying hydrographic support photography. The northern half of this manuscript along the outer coast and Ft. Pierce Inlet, is covered by 1:5,000 scale manuscripts that were previously compiled. Cronaflex reductions of the 1:5,000 manuscripts were fitted to T-13108. In the area not compiled by this method only the shoreline bordering the ocean was compiled to facilitate delivery to the hydro support party. The MHWL was compiled from tide-controlled infrared photography, holding to common detail points established by the photogrammetric bridge. This photography was taken in February 1967, which is nine months later than the bridged color photography prepared for photo-hydro support use. Some changes in the shoreline will be evident when using the ratio hydro support photography.

Support photography includes prepared cronopaque ratio prints and ratio matte field prints. The photograph numbers are 66-L-8729 and 66-L-8739 through 8742. All are printed at a 1:20,000 scale.

15.

FIELD EDIT REPORT

JOB PH-6710

MAPS T-13106 thru T-13109

In accordance with Instructions - Field Edit - Job PH-6710;  
Chart Topography, Cape Kennedy to Jupiter Inlet, Fla. (1413)

51. METHODS

The mean high-water line along the ocean front was verified by visual inspection and measured distance from the folage line, at approximately one mile intervals, the measurement being recorded on the Color transparencies.

Compiled shoreline along the Indian River was visually verified from a small boat. Requests for corrections, additions and deletions are indicated on a cronaflex copy of the manuscript, labeled PLANE TABLE SHEET with reference to the photograph by number on which the information is shown.

Streets and roads were travelled to verify existence and classification.

No landmark building, other than those mapped were noted during field edit.

Landmarks and aids to navigation for the most part were verified by Plane table, those not verified by Plane table were close to shore, and were verified by visual inspection. Aids located by Plane table have been circled on the PLANE TABLE SHEET in violet ink, and identified by their respective number. The plotted positions have not been scaled. Form 567 is submitted for only those aids located by Plane table and those that are identified on the photographs (transparencies). Form 567 is submitted for all landmarks.

Additions, deletions and corrections have been noted on the Cronaflex for each map labelled PLANE TABLE SHEET with crossreferencing to the photographs.

Violet ink was used for all field edit notes.



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52. ADEQUACY OF COMPILATION

After application of field edit corrections, additions and deletions, compilation will be adequate for Chart Topography.

53. MAP ACCURACY

A large number of daybeacons, piling and piers were located by ground survey methods (Plane table). During location, Compiled objects such as lights, pier ends, tanks, etc., were used as or to determine Plane table positions, thus providing a test of the features used to be accurate.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

Not required.

submitted 5/15/68

*Robert S. Tibbetts*  
Robert S. Tibbetts

Review Report T-13108  
Shoreline Mapping  
March 1970

61. General Statement

(See Summary)

62. Comparison with Registered Topographic Surveys

Comparison was made with T-8845, scale 1:20,000, compiled from aerial photographs of April 1946. This survey is superseded for nautical charting and shoreline mapping by the new survey.

63. Comparison with Maps of Other Agencies

See paragraph 46 of Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

T-13108 (with insets T-13116 and T-13117, scale 1:5,000) was used as a base for new hydrography. The new hydrographic surveys H-8958, scale 1:20,000, dated 1967 and H-8959, scale 1:5,000, dated 1967 were used for comparison. A few scattered piles shown on H-8959 along the north shore of Causeway Island and five dolphins compared to four on T-13108 at approximate latitude 27°45" were not located by field edit and could not be photoidentified.

65. Comparison with Nautical Charts

Comparison was made with Chart 1247, 4th Edition, scale 1:80,000, dated February 17, 1969, Chart 582, scale 1:10,000, 4th Edition, dated October 4, 1969, and 845-SC, scale 1:40,000, 8th Edition, dated August 30, 1969. All differences noted on the discrepancy print between the published charts and the new survey were resolved in field edit. The discrepancy print was prepared in 1968 and was compared with the latest editions of the above charts at that time.

Piling along the north shore of Causeway Island has been deleted and new piles have been located by field edit in 1968. Refer to the comparison print for additional changes made in field edit which may be applicable to the above charts. There is a landmark tower shown on Chart 1247 on the south side of the Ft. Pierce Inlet, it is not shown on Charts 582 and 845-SC. The field edit and boat sheet of the area verified it as an existing landmark.

*... the field edit for this*

66. Adequacy of Results and Future Surveys

T-13108 complies with the project instructions and is within the National Standards of Accuracy. No elevations were obtained for the landmarks falling on this survey during field edit. A request has been made to obtain this information.

Reviewed by,  
*Jeter P. Battley Jr*

Approved by,

*R. H. Houlton*  
\_\_\_\_\_  
Chief, Photogrammetry Division

*Charles J. ...*  
\_\_\_\_\_  
Chief, ~~Marine Chart Division~~ *86 '5*  
*Photogrammetric Branch*

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13108 PROJECT NO. 6710 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
PIERCE 2, 1963			1,140,553.64 729,971.78	
POG, 1930			1,132,466.18 719,952.60	
FT. PIERCE MUN. W. TANK CENTER, 1930			1,129,364.12 716,510.17	
WHITE 2, 1966			1,108,925.64 727,946.32	
COMPUTED BY	DATE	CHECKED BY	DATE	19

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~XX TO BE REVISED X~~  
~~XX TO BE DELETED X~~

STRIKE OUT TWO

Rockville, Md. Oct. 21, 1968

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

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobleralski  
 Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	NEARBY CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE	D.P. METERS	D.P. METERS						
	Florida	Intracoastal Waterway											
		Hau Gallie-St. Lucie Inlet											
		Indian River (South Section)											
Dybn 178		"		27 29	80 19	53.2	52.2	NA	Photo Plot T-13108	3/1368	x	845-SC	
Dybn 179		"		27 29	80 19	28.4	49.6	"	Plane Table T-13108	"	x	"	
Dybn 180		"		27 29	80 19	153.9	1246.3	"	"	"	x	"	
Dybn 181		"		27 28	80 19	37.2	35.6	"	Plane Table T-13108	"	x	"	
									Photo Plot T-13218				
Lt 182		"		27 28	80 19	30.9	36.7	"	T-13108	"	x	"	
Dybn 188		"		27 27	80 18	04.9	58.2	"	Plane Table T-13108	3/19/68	x x	845-SC 582	
									T-13218				
Dybn 189		"		27 26	80 18	41.2	45.6	"	Plane Table T-13108	"	x	"	
Dybn 190		"		27 26	80 18	14.5	36.8	"	"	"	x	"	
Dybn 191		"		27 25	80 18	53.4	25.4	"	Plane Table T-13108	3/21/68	x	"	
Lt 192		"		27 25	80 18	25.8	15.8	"	Photo Plot T-13108	"	x	"	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~TO BE REVISED~~  
~~OR DELETED~~ STRIKE OUT TWO

Rockville, Md. Oct. 21 19 68

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

The positions given have been checked after listing by R. A. Youngblood

V. Talph Sobieralski

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				°	'	°	'							
	Florida	Intracoastal Waterway												
		Eau Gallie-St. Lucie Inlet												
		Indian River (South Section)												
Dybn 193		"	27 25	02.8	80 18	04.0 NA	1927	T-13108	3/21/68	X		845-SC 582		
Dybn 194		"	27 24	35.9	80 17	109.8	1927	"	3/28/68	X		"		
Dybn 195		"	27 24	12.3	80 17	42.2	"	"	"	X		845-SC		
Dybn 196		"	27 23	46.6	80 17	1159.3	"	Photo Plot	"	X		"		
Lt 197		"	27 23	1434.3	80 17	33.4	"	T-13108	"	X		"		
Dybn 198		"	27 23	22.3	80 17	20.6	"	"	"	X		"		
Dybn 199		"	27 22	686.3	80 17	566.0	"	Plane Table	"	X		"		
		Fort Pierce Inlet	27 22	1748.3	80 17	13.7	"	T-13108	"	X		"		
		Entrance Range Front Lt.	27 28	32.2	80 16	59.9	"	"	"	X		"		
		Entrance Range Rear Lt.	27 28	991.1	80 16	1646.1	"	"	"	X		"		
		Inner Range Front Lt.	27 28	08.6	80 18	13.2	"	Photo Plot	"			845-SC		
		Inner Range Rear Lt.	27 28	264.7	80 18	362.4	"	T-13108	3/13/68	X	X	1247, 582		
			27 28	06.6	80 18	25.0	"	"	"	X	X	"		
			27 28	203.1	80 17	686.4	"	"	"	X	X	"		
			27 28	15.1	80 17	50.7	"	"	"	X	X	845-SC		
			27 28	464.7	80 17	1392.0	"	"	"	X	X	582		
			27 28	23.6	80 17	32.7	"	"	"	X	X	"		
			27 28	726.4	80 17	897.7	"	"	"	X	X	"		

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS

**NONFLOATING AIDS OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~TO BE REVISED~~  
~~TO BE DELETED~~ } STRIKE OUT TWO

Rockville, Md. Oct. 21 1968

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

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobleralski

Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				° ' "	° ' "	° ' "	° ' "							
Florida														
	Fort Pierce Inlet							Photo Plot						
Lt	Center Range Front Lt.			27 27	80 19	26.5 727.7	NA 1927	T-13108 T-13218	3/13/68	XX		845-SC 582		
Lt	Center Range Rear Lt.			27 27	80 19	45.6 1252.1	"	"	"	XX		"		
Lt 13	Light 13			27 27	80 19	37.2 1144.9	"	"	"	XX		"		
	Taylor Creek Channel						"	"						
Dybn 1	"			27 28	80 19	24.7 678.1	"	"	"	XX		"		
Dybn 2	"			27 28	80 19	29.0 796.2	"	"	"	XX		"		
Dybn 3	"			27 27	80 19	34.0 933.8	"	"	"	XX		"		
Dybn 4	"			27 28	80 19	33.2 911.5	"	"	"	XX		"		

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\* TABULATE SECONDS AND METERS

~~NON-FLOATING AID~~ **NON-FLOATING AIDS OR LANDMARKS FOR CHARTS**

~~TO BE DELETED~~  
~~TO BE DELETED~~  
TO BE DELETED

STRIKE OUT TWO

Rockville, Md. Oct. 21 19 68

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

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobleralski  
*Chief of Party*

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				° ' "	D. M. METERS	° ' "	D. P. METERS							
Dybn 184	Florida	Intracoastal Waterway Eau Gallie-St. Lucie Inlet Indian River (South Section)		27 28.1		80 19.4		NA 1927					845-SC 582	

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\* TABULATE SECONDS AND METERS

- 23 -



~~NON-FLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE REVISION~~  
~~TO BE DELETED~~ STRIKE OUT TWO  
Rockville, Md. Oct. 21 19 68

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

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobieralski  
Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	NEARBY CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #	LONGITUDE #	D.P. METERS	#						
Tank	Florida	Steel (Elev.)		27 28	80 20	35.4	08.0	NA	Photo T-13108	May 1968	x	x	845-SC 1247
Stack		Steel (Silver Black Top)		27 28	80 19	00.6	46.5	"	"	"	x	x	845-SC 1247, 582
Tower		Steel CG Watch Tower		27 28	80 17	11.0	28.4	"	Photo T-13108				
Tank		Steel (Elev.)		27 27	80 17	10.4	13.2	"	Photo T-13108		x	x	"
Tallest Stack		Steel (Silver Black Top)		27 27	80 19	01.9	29.4	"	Photo T-13108		x	x	"
Tower		Steel (Radio Tower)		27 26	80 19	46.6	15.6	"	Photo T-13108		x	x	"
Tank		Ft Pierce Municipal Water Tank 1930		27 26	80 19	21.14	56.96	"	Triangulation	1930	x	x	1247
		No elevations were supplied by the 1968 party in the area.				650.8	1564.5						
		a request has been made to secure this information from a current field											

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\* TABULATE SECONDS AND METERS

7-13/68

~~NON-FLOATING AID~~ OR LANDMARKS FOR CHARTS

~~SO BE CHARTED  
TO BE REVISED  
TO BE DELETED~~  
STRIKE OUT TWO

5/16, 1968

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

The positions given have been checked after listing by \_\_\_\_\_

Robert S. Tibbetts

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED
				LATITUDE D.P. METERS	LONGITUDE D.P. METERS	DATUM	HARBOR CHART			
	Florida			27 40.0	80 21.4	NA		T-13108 2/27/68	1247 845-SC	
Tank		Tank Based		27 23.8	80 18.2	"		T-13108 3/27/68	845-SC	

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\* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE REVISED  
TO BE DELETED

STRIKE OUT TWO

Rockville, Md.

Aug. 3

1970

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.  
The positions given have been checked after listing by

Position furnished to Photogrammetry Div. by Hydrographic Data Branch - refer to records for H-8959 (1967)

S. G. Blankenbaker

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*				
			D. M. METERS	N. M. METERS	D. M. METERS	N. M. METERS			
A. 7. / 3	FORT PIERCE INLET LT 13		27 27	11 31	80 19	05.94 326	NA 1927 H-8959	1967	845-SC 582
	NOTE: A different position for LT 13 is listed on a Form 567 submitted by the Photogrammetry Division - date of Form 10/21/66 reflects the photogrammetric location of the image of the object on 1966 color photography. The light was rebuilt early in 1967. The date of location (3/13/68) shows on the prior Form 567 is the date of visual verification by the field editor, and is apparently in error.								
	1966 position retained on T-13218 and T-13219. Date of location (1966) added to manuscripts								
	(1) Coast Guard Records indicate only that the object was rebuilt - not moved								
	(2) Object is shown on smooth sheet was a red circle (top accuracy)								
	(3) Position (1966) verified by field editor in 1968								
	DBB								

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\* TABULATE SECONDS AND METERS

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-13108

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
  2. In "Remarks" column cross out words that do not apply.
  3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
582	7-7-71	C. E. Harrington	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No.
1247	1-14-72	G. W. Moore	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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