

13218

13218

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
<i>Type of Survey</i>	Shoreline
<i>Field No.</i>	<i>Office No.</i> T-13218
LOCALITY	
<i>State</i>	Florida
<i>General locality</i>	Florida Coast
<i>Locality</i>	Fort Pierce
<u>19.66-68</u> CHIEF OF PARTY	
LIBRARY & ARCHIVES	
DATE _____	

1

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T -13218

PROJECT NO. (I):

PH-6710

FIELD OFFICE (II):

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

OFFICER-IN-CHARGE

Washington Science Center

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):

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:5,000

1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

HORIZONTAL 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):

LAT.:

LONG.:

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (I) 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

FIELD INSPECTION BY (II): None (see remarks)	DATE:
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MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation from photography dated Nov. 1966 <i>Refer to heading 61., page 15 " 51., page 13</i>
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PROJECTION AND GRIDS RULED BY (IV): L. Van Scoy	DATE: 7-28-67
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PROJECTION AND GRIDS CHECKED BY (IV): J. Collom	DATE: 7-31-67
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CONTROL PLOTTED BY (III): R. A. Youngblood	DATE: 2-5-68
---	-----------------

CONTROL CHECKED BY (III): J. Phillips	DATE: 2-5-68
--	-----------------

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. B. Kelly	DATE: May-Oct. 1967
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STEREOSCOPIC INSTRUMENT COMPILATION (III): R. A. Youngblood	PLANIMETRY	DATE: 2-7-68
	CONTOURS	DATE:

MANUSCRIPT DELINEATED BY (III): R. A. Youngblood	DATE: 3-5-68
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SCRIBING BY (III):	DATE:
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PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. P. Battley Jr.	DATE: 12-1968
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REMARKS: Field Edit by: R. S. Tibbetts (covered by T-13108 - May 1968 - refer to page 15)

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"L" 6" focal length camera (color)

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L-8741-8742(c)	11-26-66	9:55	1:40,000	1.6' 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: Fort Pierce Inlet (breakwater)		2.6	3.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): *J. P. Battley* DATE: *Dec. 1968*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): <i>none</i>	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:

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

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.

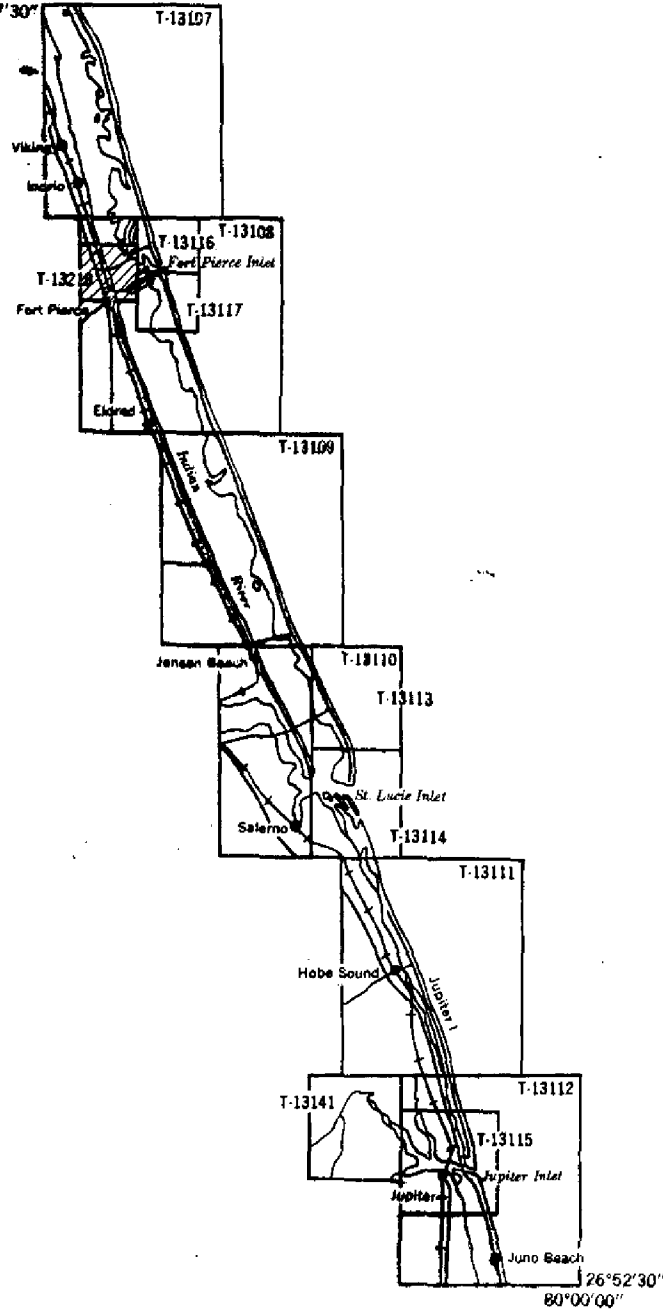
PROJECT DIAGRAM

INDEX TO ADJOINING SHEETS PH-671C

JOINS SHEET NO. T-13106

80°22'30"

27°37'30"



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.

8

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), BASE 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), BASE 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:

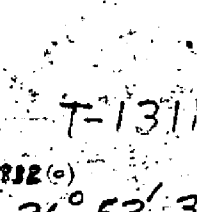
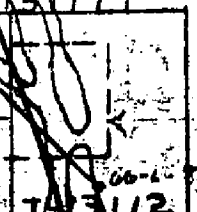
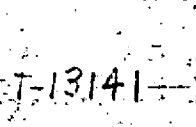
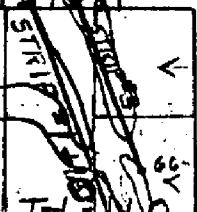
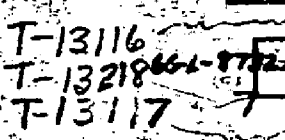
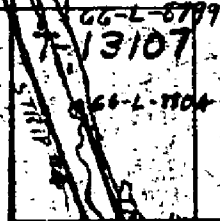
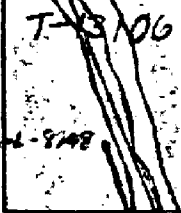
Robert B. Kelly

Approved by:

John D. Perrae Jr.

PH-6710
FLORIDA COAST

27° 52' 30"



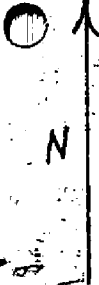
80° 30' 00"

30° 10' 00"

27° 22' 30"

80° 00' 00"

26° 52' 30"



//

Compilation Report
Project PH-6710
T-13218
Feb. 1968

31. Delineation

T-13218 (1:5,000 scale) was compiled on the B-8 stereoplotter to furnish a base for photo hydro support. It was compiled from 1:40,000 scale color photography at a manuscript scale of 1:10,000; then enlarged to 1:5,000. The manuscript was also reduced to 1:20,000 to be made a part of sheet T-13108.

32. Control

Identification, density and placement of control was adequate.

33. Supplemental Data

Small-craft chart 845-SC, scale 1:40,000, dated August 1966 was used as an aid in locating Lights, daybeacons and land in the area. USGS quad., Fort 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

Three landmarks and ten aids to navigation were located on this sheet.

38. Control for Future Surveys

None

-2-

39. Junctions

A satisfactory junction was made with the adjoining sheets.
(See project layout).

40. Horizontal and Vertical Accuracy

See Bridging Report

41.-45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle, Fort Pierce, Florida,
scale 1:24,000 dated 1949.

47. Comparison with Nautical Charts

A comparison was made with Nautical Charts 1247, scale 1:80,000,
revised 3-6-67 and 845-SC, scale 1:40,000, dated August 20, 1966.

Submitted by,

R. A. Youngblood
R. A. Youngblood

Approved by,

K. N. Maki
K. N. Maki
Chief, Compilation Section

FIELD EDIT REPORT

JOB PH-6710

MAPS T-13106 thru T-13109

(Refer to page 15)

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.

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-13218
Shoreline Mapping
March 1970

61. General Statement

(See Summary) T-13218 is a 1:5,000 scale manuscript compiled to provide a base for hydrography at a larger scale in Fort Pierce Inlet. The area was covered by T-13108 at a scale of 1:20,000. All field edit was resolved on T-13108. Review was accomplished on T-13108 and a close comparison was made to see that the two surveys were identical for compiled features. Refer to paragraph 31 of the Compilation Report and the Project Diagram.

Reviewed by,

Approved by,

Charles L. ...
Chief, Photogrammetric Branch

R. H. ... Chief, Photogrammetry Division ~~Chief, Marine Chart Division~~

~~NONFLUORESCENT~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~XXXXREMOVEDX~~
~~XXXXDELETEDX~~

STRIKE OUT TWO

Rockville, Md.

NOV. 13 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

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY AND PHOTO	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				D.M.	MINUTES	D.P.	METERS						
	Tank	Steel (Elev.)		27 28	08 20	08.0	NA	T-13108 May				845-SC 1247	
	Stack	Steel (Silver Black Top)		27 28	00 19	46.5	"	T-13218 1968				845-SC 1247.582	
	Tallest Stack	Steel (Silver Black Top)		27 27	01 19	29.4	"	"				"	

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 floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be of the area and not by individual field survey sheets. Information under each column heading should be given.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~XXXXXX~~ STRIKE OUT TWO
~~XXXXXX~~

Rockville, Md. Nov. 13 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 Sobieralski

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				D. M. METERS	° ' "	D. M. METERS	° ' "							
	Florida	Intracoastal Waterway												
		Eau Gallie-St. Lucie Inlet												
Dybn 181		Indian River (South Section)						Plane Table						
		"	27 28	37.2	80 19	35.6	NA	T-13108 3-13-				845-SC		
		"	27 28	1145.0	80 19	975.6	1927	T-13218 68		X				
LT 182		"	27 28	30.9	80 19	36.7	"	Photo Plot				"		
		"	27 28	951.1	80 19	1007.6	"	T-13108 "		X				
		"						T-13218						
Dybn 188		"	27 27	04.9	80 18	58.2	"	Plane Table				845-SC		
		"	27 27	150.8	80 18	1598.2	"	T-13108 3-19-		X		582		
		Fort Pierce Inlet						Photo Plot						
		Center Range Front Lt.	27 27	29.2	80 19	26.5	"	T-13108 3-13-		X		"		
		Center Range Rear Lt.	27 27	898.7	80 19	727.7	"	T-13218 68		X		"		
		Light 13	27 27	20.2	80 19	45.6	"	"		X		"		
		Taylor Creek Channel	27 27	621.7	80 19	1252.1	"	"		X		"		
		"	27 27	37.2	80 19	05.9	"	"		X		"		
		"	27 27	1144.9	80 19	162.0	"	"		X		"		
Dybn 1		"	27 28	01.1	80 19	24.7	"	"		X		"		
		"	27 28	33.8	80 19	678.1	"	"		X		"		
Dybn 2		"	27 28	01.6	80 19	29.0	"	"		X		"		
		"	27 28	49.2	80 19	796.2	"	"		X		"		
Dybn 3		"	27 27	58.8	80 19	34.0	"	"		X		"		
		"	27 27	1809.8	80 19	933.8	"	"		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
~~XXXXXXXXXX~~

STRIKE OUT TWO

Rockville, Md. Nov. 13 19 68

I recommend that the following objects which have ~~been~~^{been} inspected from seaward to determine their value as landmarks be charted on ~~existing charts~~, 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						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED				
				LATITUDE*		LONGITUDE*		DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART			
				° ' "	D.M. METERS	° ' "	D.P. METERS									
Dybn 4	Florida	Taylor Creek Channel		27 28	01.0	30.7	80 19	33.2	NA	Photo Plot	T-13108 3-13-68	T-13218 68	X X			845-SC 582
		"														

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~~
~~XXXXXXXXXXXX~~
TO BE DELETED.

Rockville, Md. Oct. 21, 1968

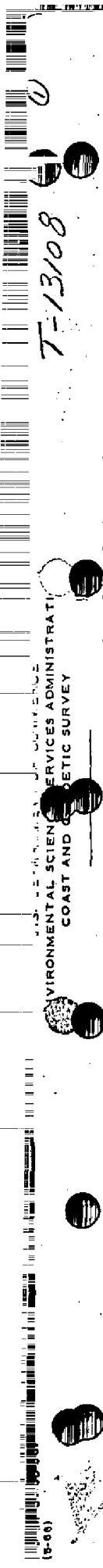
I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be ~~marked~~ ~~on~~ (deleted from) the charts indicated.

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				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	NEARBY CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*							
				° ' "	° ' "								
Dybn 184	Florida	Intra coastal waterway Eau Gallie-St. Lucie Inlet Indian River (South Section)		27 28 1	80 19 4		NA 1927	T-13108 3-13- T-13218 68 x x				845-SC 582	

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.



T-13108

19 68

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
 TO BE REVISED
 TO BE DELETED

STRIKE OUT TWO

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

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

V. Ralph Sobieralski
 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	D.P. METERS						
Florida		Intracoastal Waterway		27 29	80 19	NA	58.2	Photo Plot T-13108 5/13/68				X	845-SC
		Eau Gallie - St. Lucie Inlet		27 29	80 19	"	49.6	Plane Table T-13108				X	"
		Indian River (South Section)		27 29	80 19	"	45.4	"				X	"
		"		27 29	80 19	"	1246.3	Plane Table T-13108				X	"
		"		27 28	80 19	"	35.6	Photo Plot T-13108				X	"
		"		27 28	80 19	"	36.7	Plane Table T-1321A				X	"
		"		27 27	80 18	"	1007.6	Photo Plot T-13108				X	"
		"		27 27	80 18	"	58.2	Plane Table T-13108				X	845-SC
		"		27 26	80 18	"	1598.2	Plane Table T-1321A				X	582
		"		27 26	80 18	"	45.6	Plane Table T-13108				X	"
		"		27 26	80 18	"	1252.4	"				X	"
		"		27 26	80 18	"	36.8	Plane Table T-13108				X	"
		"		27 25	80 18	"	1010.7	Plane Table T-13108 3/21/68				X	"
		"		27 25	80 18	"	25.4	Photo Plot T-13108				X	"
		"		27 25	80 18	"	697.7	Plane Table T-13108				X	"
		"		27 25	80 18	"	15.8	Photo Plot T-13108				X	"
		"		27 25	80 18	"	434.0	Plane Table T-13108				X	"
		"		27 25	80 18	"	04.0	Photo Plot T-13108				X	"
		"		27 25	80 18	"	109.8	Plane Table T-13108				X	"
		"		27 24	80 17	"	54.7	"				X	"
		"		27 24	80 17	"	1502.7	"				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

T-13108

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Rockville, Md. 10/21 1968

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

V. Ralph Sobieralski
Chief of Party

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							
			D. M.	SEC.	D. M.	SEC.								
STATE	Florida													
Dybn 195	"		27 24	12.3	80 17	42.2	NA	1927	Plane Table	3/28/68	X		845-5C	
Dybn 196	"		27 23	46.6	80 17	33.4	"	"	Photo Plot	3/28/68	X		"	
LT 197	"		27 23	22.3	80 17	20.6	"	"	"	"	X		"	
Dybn 198	"		27 22	56.8	80 17	13.7	"	"	Plane Table	"	X		"	
Dybn 199	"		27 22	1748.3	80 16	376.4	"	"	T-13108	"	X		"	
	Fort Pierce Inlet		27 22	32.2	80 16	59.9	"	"	"	"	X		"	
				991.1	80 16	1646.1								
LT	Entrance Range Front Lt.		27 28	08.6	80 18	13.2	"	"	Photo Plot	3/13/68	X		845-5C 1247, 582	
LT	Entrance Range Rear Lt.		27 28	264.7	80 18	362.4	"	"	"	"	X		"	
LT	Inner Range Front Lt.		27 28	06.6	80 18	25.0	"	"	"	"	X		"	
LT	Inner Range Rear Lt.		27 28	203.1	80 17	686.2	"	"	"	"	X		845-5C 582	
LT	Center Range Front Lt.		27 27	15.1	80 17	50.7	"	"	"	"	X		"	
LT	Center Range Rear Lt.		27 27	226.4	80 17	1392.0	"	"	"	"	X		"	
			27 27	29.2	80 17	32.7	"	"	"	"	X		"	
			27 27	898.7	80 19	897.7	"	"	Photo Plot	"	X		"	
			27 27	20.2	80 19	26.5	"	"	T-13108 T-1321A	"	X		"	
			27 27	621.7	80 19	727.7	"	"	"	"	X		"	
				1252.1		45.6			"	"	X		"	

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* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Rockville, Md. 10/21 1968.

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 R.A. Youngblood

V. Ralph Sobieralski
Chief of Party

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							
			° ' "	D. M. METERS	° ' "	D. P. METERS								
FLORIDA														
<i>Position incorrect</i> LT 13	Fort Pierce Inlet		27 27	37.2 1144.9	80 19	05.9 162.0	NA 1927	Photo Plot 7-13108 7-13218	3/13/68	X	X		845-SC 582	
Dybr 1	"		27 28	01.1 33.8	80 19	24.7 678.1	"	"	"	X	X		845-SC 582	
Dybr 2	"		27 28	01.6 49.2	80 19	29.0 796.2	"	"	"	X	X		"	
Dybr 3	"		27 27	58.8 1809.8	80 19	34.0 933.8	"	"	"	X	X		"	
Dybr 4	"		27 28	01.0 30.7	80 19	33.2 911.5	"	"	"	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

FORM CGS-1
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

T-13108

TO BE CHARTED
TO BE REVISED
TO BE DELETED

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

Rockville, Md. 10/21 1968

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 R.A. Youngblood

R.A. Youngblood

V. Ralph Sobieralski
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						
				D.M. METERS	S	D.P. METERS							
Florida		Intracoastal Waterway											
		Fau Gallie - St. Lucie Inlet											
		Indian River (South Section)											
Dybr 189		"		27 28.1	80 19.4			NA 1927	7-13108	3/13/68 X	X		845-5C 582

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 in meters.
* TABULATE SECONDS AND METERS

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

Rockville, Md. 10/21 1968

I recommend that the following objects which have (these-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 R.A. Youngblood

V. Ralph Sobieralski
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	D.P. METERS						
FLORIDA													
	Tank	Steel (Elev.)		27 28	80 20	NA	08.0	Photo T-13108 T-13218		X	X	845-5C 1247	
	Stack	Steel (Silver Black Top)		27 28	80 19	"	46.5	"		X	X	845-5C 1247, 582	
	Tower	Steel CG Watch Tower		27 28	80 17	"	28.4	Photo T-13108 T-13116		X	X	845-5C 1247, 582	
	Tank	Steel (Elev.)		27 27	80 17	"	13.2	Photo T-13108 T-13117		X	X	845-5C 1247, 582	
	Tallest Stack	Steel (Silver Black Top)		27 27	80 19	"	29.4	Photo T-13108 T-13218		X	X	845-5C 1247, 582	
	Tower	Steel (Radio Tower) FT PIERCE MUNICIPAL		27 26	80 19	"	428.3	Photo T-13108		X	X	845-5C 1247, 582	
	Tank	WATER TANK 1930		27-26	80-19	"	56.96 1564.5	TRIANGULATION 1930		X	X	1247, 582	
		No elevations were supplied by the 1968 field edit for these landmarks - a request has been made to secure this information from a current field party in the area											

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.

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

~~SMC 8959~~

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED			
			LATITUDE*		LONGITUDE*							DATUM		
			D. M. METERS	"	D. P. METERS	"								
LT 13	FORT PIERCE INLET LT 13		27 27	11 31	80 19	36.75	05.94	NA	1927	H-8959	1967			845-SC 582
<p>NOTE: A different position for LT 13 is listed on a Form 567 submitted by the Photogrammetry Division - date of Form 10/21/66. The prior position 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.</p> <p>1966 position retained on T-13218 and T-13108. Data of location (1966) added to manuscripts -</p> <p>(1) Coast Guard records indicate only that the object was rebuilt - not moved</p> <p>(2) Object is shown on smooth sheet with a red circle (Tops accurate)</p> <p>(3) Position (1966) verified by field editor in 1968</p> <p>ADP</p>														

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

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-13218

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 Part Before After Verification Review Inspection Signed Via Drawing No.
1247	1-14-72	A. J. Mac	Full Part Before 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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