

13106

13106

<p>Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY</p> <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
<p>Type of Survey <u>Shoreline</u></p>	
<p>Field No. _____</p>	<p>Office No. <u>T-13106</u></p>
<p>LOCALITY</p>	
<p>State <u>Florida</u></p>	
<p>General locality <u>Florida Coast</u></p>	
<p>Locality <u>Vero Beach</u></p>	
<p><u>19 66-67</u> -68</p>	
<p>CHIEF OF PARTY</p>	
<p>LIBRARY & ARCHIVES</p>	
<p>DATE _____</p>	

DESCRIPTIVE REPORT - DATA RECORD

T -13106

PROJECT NO. (II):		
PH-6710		
FIELD OFFICE (III):	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):	
1:20,000	20,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III):	
N.A. 1927	MEAN SEA LEVEL EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>	
REFERENCE STATION (III):		
SCORPION 2, 1961		
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):	STATE	ZONE
y = 1,199,325.73 x = 702,278.58	Florida	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-13106

FIELD INSPECTION BY (II):		DATE:
None (See remarks)		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Office interpretation Nov. 1966-Feb. 1967 and Field Edit - May 1968		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E. Roundtree		11-7-66
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. Glaser		11-14-66
CONTROL PLOTTED BY (III):		DATE
J. Taylor		July 1967
CONTROL CHECKED BY (III):		DATE
J. Mooney		July 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
R. Kelly		May-Oct. 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
J. Mooney		July 1967
MANUSCRIPT DELINEATED BY (III):		DATE
J. Mooney		July 1967
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
J. Battley		May 1969
REMARKS:		
Field Edit by:		
R. S. Tibbetts - May 1968		
W. H. Shearouse - May 1969		

DESCRIPTIVE REPORT - DATA RECORD

T-13106

CAMERA (KIND OR SOURCE) (III):

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

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L-8753-8757	11-26-66	10:11	1:40,000	1.5' above MLW
67-S-8250R-8254R	2-24-67	9:03	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):

1

RECOVERED:

1

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 ¹³ will be registered in the Bureau Archives under their respective T-numbers.

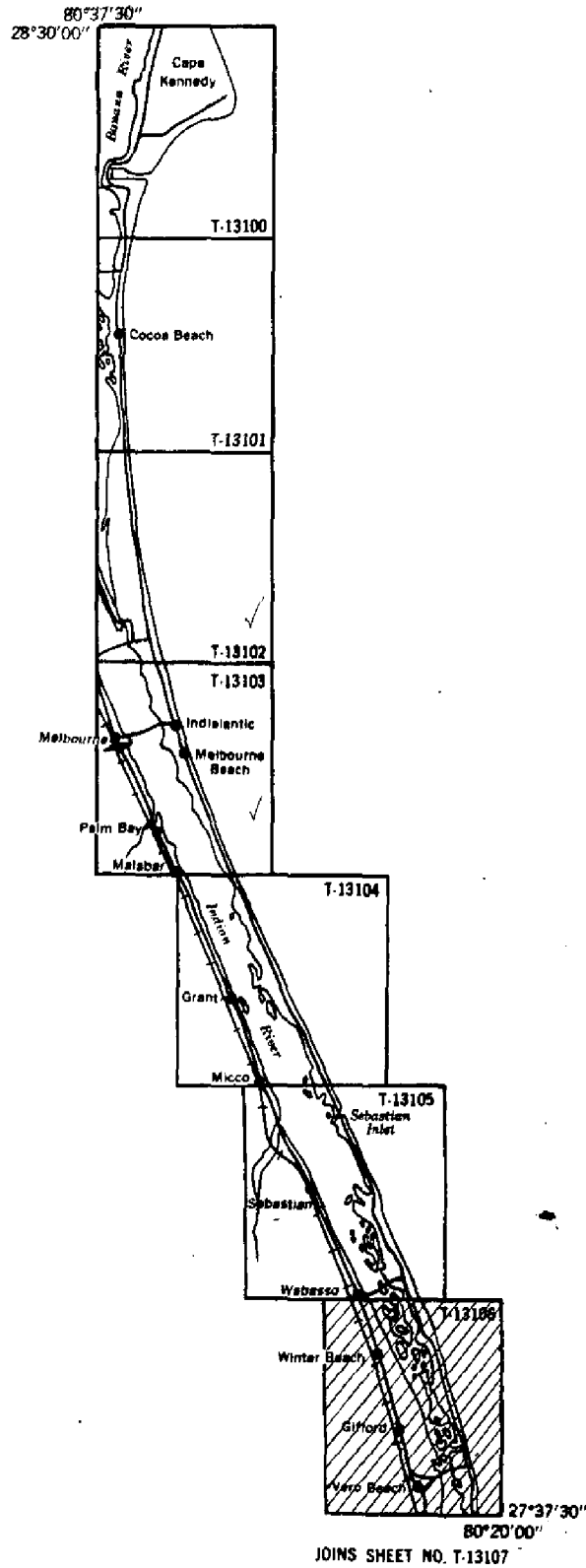
Submitted by,

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), 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:

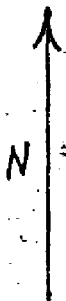
Robert C. Kelly

Approved by:

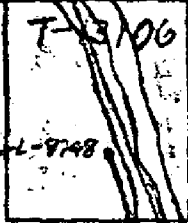
John D. Rourke Jr.

PH-6710
FLORIDA COAST

27°52'30"



80°30'00"

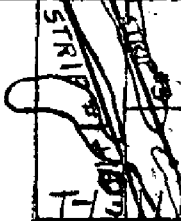


T-13116
T-13218
T-13117



300' 10' 00"

27°22'30"



T-13113

T-13114

80°00'00"

66-L-8822^(c)



T-13141



T-13115

T-13112

26°52'30"

70-66-L-8708^(c)

Compilation Report
Project PH-6710
T-13106
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.

Points were positioned along the shoreline to facilitate hydrographic signal location and cronopaque 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 at 1:40,000 scale dated August 1966 was used as an aid in locating lts. and daybeacons in the area. Geological Survey Quads., Riomar, Florida, dated 1950 and Vero Beach, Florida, dated 1949 at a scale of 1:24,000 were used for the 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

A wreck is shown just north of latitude 27°39'.

37. Landmarks and Aids

Fifty-three aids to navigation and three landmarks have been shown on the manuscript. The daybeacons "1", "2", "3", "5", "6" at Vero Beach Bridge vicinity are privately maintained and were not listed on Form 567.

38. Control for Future Surveys

No comment.

39. Junctions

Junction has been made and is in agreement to the North with T-13105 and to the South with T-13107.

40. Horizontal and Vertical Accuracy

No comment.

41.-45. Inapplicable

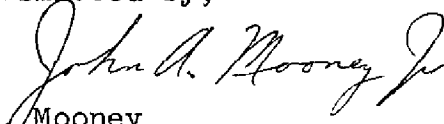
46. Comparison with Existing Maps

Comparison has been made with Geological Survey Quads., Riomar, Florida, dated 1950 and Vero Beach, Florida, dated 1949 at a scale of 1:24,000.

47. Comparison with Nautical Charts

Comparison has been made with Nautical Charts #1247, scale 1:80,000, revised to 3-6-67; and Chart 845-SC, scale 1:40,000 dated 8-20-66.

Submitted by,


J. Mooney

Approved by,



K. N. Maki
Chief, Compilation Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6710 (Cape Kennedy to Jupiter Inlet)

T-13106

Atlantic Ocean

Barker Island

Bee Gum Point

Bethel Creek

Chambers Cove

Cleve Hinton Creek

Copelands Landing

Dark Point

Early Island

Erwin Cove

Fritz Island

Gifford

Gifford Cut

Gifford Island

Gifford Point

*Hole in the Wall Island

Indian River

Indian River Hospital

Indian River Narrows

Intracoastal Waterway

Jandrew Cove

Johns Island

Johns Island Creek

McCullers Cove

North Creek

North Sister Island

Pine Island

Pople Point

Riomar

South Creek

South Sister Island

Stingray Cove

Stingray Point

Vero Beach

Vero Beach Airport

Vero Beach Bridge

Vossinbury Creek

Wabasso

Winter Beach

*Hobart Landing - (verified by 1968 field edit)

Approved by:

Prepared by:



A. J. Wraight
Chief Geographer



Frank W. Pickett
Cartographic Technician

49. Notes for the Hydrographer

T-13106, scale 1:20,000 provides ocean shoreline, hydro support pass points and detail to the first inshore through road.

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.

For this manuscript, the hydro support photography and field photographs are ratio color gloss prints. As these manuscripts were prepared on a tight schedule the photo lab found this to be the quickest prints to produce for preparation by the compilation office.

The ratio photographs prepared for hydro support are 66-L-8752 through 8757.

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.

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-13106
Shoreline Mapping
March 1970

61. General Statement

(See Summary)

62. Comparison with Registered Topographic Surveys

Comparison was made with T-8841 and T-8842, scale 1:20,000, compiled from aerial photographs of April 1946. These surveys are superseded for nautical charting by the new survey. Extensive development and shoreline changes along the Indian River make the prior surveys obsolete for shoreline mapping.

63. Comparison with Maps of Other Agencies

See paragraph 46 of Compilation Report

64. Comparison with Contemporary Hydrographic Surveys

There is no contemporary hydrographic survey. Comparison was made with prior surveys H-5027 and H-5028, scale 1:20,000 dated 1930.

65. Comparison with Nautical Charts

Comparison was made with Chart 1247, 4th Edition, scale 1:80,000, dated February 17, 1969, and Chart 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. Piles (channel markers) at approximate latitude $27^{\circ}44'$, piles at approximate $27^{\circ}43'30''$, also privately maintained daybeacons in the Main Canal area and channel markers and piles in the Piomar Creek area located in field edit are not present on the latest editions of the above mentioned charts. These may be of interest to small-craft charting.

66. Adequacy of Results and Future Surveys

T-13106 complies with the project instructions and is within the National Standards of Accuracy.

Reviewed by,

Seton P. Battley Jr

Approved by,

R. H. Houtwater

Chief, Photogrammetry Division

Charles A. ...

Chief, ~~Marine Chart Division~~ *ds*
Photogrammetric Branch

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13106 PROJECT NO. PH-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 meters) FORWARD (BACK)
SCORPION 2, 1961			1,199,325.73 702,278.58	

COMPUTED BY _____ DATE _____

CHECKED BY _____ DATE _____

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Rockville, Md. May 16 19 68

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~X-12422222-2222~~ the charts indicated.

The positions given have been checked after listing by H. Lucas

V. Ralph Sobieralski

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE*	LONGITUDE*	DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART	
				° ' "	° ' "	"	"					
Florida	Lt 92	Intracoastal Waterway		27 44	80 24	11.3	NA	Plane	4/9/68	X		845-SC
	Dybn 93	Eau Gallie-St. Lucie Inlet		27 44	80 24	309.5	1927	Table	"	X		"
	Dybn 94	Indian River (South Section)		27 44	80 24	07.5	"	"	"	X		"
	Dybn 95	"		27 44	80 24	205.4	"	"	"	X		"
	Lt 96	"		27 44	80 24	08.1	"	"	"	X		"
	Dybn 98	"		27 44	80 24	221.8	"	"	"	X		"
	Lt 99	"		27 44	80 24	00.7	"	"	"	X		"
	Dybn 100	"		27 44	80 23	19.2	"	"	"	X		"
	Dybn 102	"		27 44	80 23	02.0	"	"	"	X		"
	Dybn 104	"		27 44	80 23	54.8	"	"	"	X		"
	Lt 105	"		27 44	80 23	54.7	"	"	4/1068	X		"
	Dybn 106	"		27 44	80 23	1498.2	"	Photo Plot	"	X		"
	Dybn 108	"		27 44	80 23	1369.4	"	Plane Table	"	X		"
	Dybn 109	"		27 44	80 23	50.8	"	"	"	X		"
		"		27 44	80 23	1391.4	"	"	"	X		"
		"		27 44	80 23	44.8	"	"	"	X		"
		"		27 44	80 23	1227.1	"	"	"	X		"
		"		27 44	80 23	43.5	"	"	"	X		"
		"		27 44	80 23	1191.5	"	"	"	X		"
		"		27 43	80 23	40.1	"	Photo Plot	"	X		"
		"		27 43	80 23	1098.3	"	"	"	X		"
		"		27 43	80 23	43.2	"	Plane Table	"	X		"
		"		27 43	80 23	1183.3	"	"	"	X		"
		"		27 43	80 23	45.8	"	Photo Plot	"	X		"
		"		27 43	80 23	1254.5	"	"	"	X		"
		"		27 43	80 23	27.2	"	Plane Table	"	X		"
		"		27 43	80 23	1249.1	"	"	"	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. May 16 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 H. Lucas

V. Ralph Sobieralski

Chief of Party

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY AND NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
			LATITUDE*		LONGITUDE*		DATUM								
			D. M. METERS	"	D. P. METERS	"									
Lt 110	Indian River (South Section)		27 43	07.2	80 23	1347.7	49.2	NA	1927	Photo Plot	4/10/68	X			845-SC
Dybn 111	"		27 43	02.0	80 23	1240.9	45.3	"	"	"	4/22/68	X			"
Lt 112	"		27 43	61.6	80 23	1265.6	46.2	"	"	Plane Table	"	X			"
Dybn 113	"		27 42	1819.1	80 23	1139.6	41.6	"	"	"	"	X			"
Dybn 114	"		27 42	1571.5	80 23	1084.0	39.6	"	"	"	4/11/68	X			"
Lt 115	"		27 42	49.4	80 23	978.0	35.7	"	"	Photo Plot	"	X			"
Dybn 116	"		27 42	44.9	80 23	1028.5	37.1	"	"	"	"	X			"
Dybn 117	"		27 42	1383.5	80 23	30.9	30.9	"	"	"	"	X			"
Lt 118	"		27 42	634.1	80 23	846.6	33.9	"	"	"	"	X			"
Dybn 120	"		27 42	609.5	80 23	928.8	33.8	"	"	"	"	X			"
Lt 121	"		27 42	104.6	80 23	767.2	28.0	"	"	"	"	X			"
Dybn 122	"		27 41	46.8	80 23	537.0	19.6	"	"	"	"	X			"
Dybn 123	"		27 41	1440.5	80 23	602.8	22.0	"	"	"	"	X			"
Lt 124	"		27 41	45.7	80 23	15.9	15.9	"	"	"	4/22/68	X			"
			27 41	943.0	80 23	435.5	18.2	"	"	"	"	X			"
			27 41	30.5		498.7	498.7	"	"	"	"	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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Rockville, Md. May 16 19 68

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

I recommend that the following objects which have ~~not~~ 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 H. Lucas

V. Ralph Sobieralski
Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	HARBOR CHART	NEARBY CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #		LONGITUDE #								
				°	'	°	'							
Dybn 125	Florida	Indian River (South Section)		27	40	80	23	NA	Plane Table	4/11/68	X		845-SC	
Dybn 126		"		27	40	80	23	05.1	"	"	X		"	
Lt 127		"		27	40	80	23	00.6	Photo Plot	"	X		"	
Dybn 128		"		27	40	80	23	02.8	"	"	X		"	
Dybn 129		"		27	40	80	22	57.2	Plane Table	"	X		"	
Dybn 130		"		27	40	80	23	00.2	"	"	X		"	
Dybn 131		"		27	40	80	22	4.5	"	4/12/68	X		"	
Lt 132		"		27	40	80	22	55.3	Photo Plot	"	X		"	
Dybn 133		"		27	40	80	22	1517.0	Plane Table	"	X		"	
Dybn 134		"		27	39	80	22	49.5	Photo Plot	4/22/68	X		"	
Dybn 135		"		27	39	80	22	1358.0	Plane Table	4/12/68	X		"	
Lt 137		"		27	39	80	22	37.1	Photo Plot	"	X		"	
Dybn 138		"		27	39	80	22	1016.0	Plane Table	"	X		"	
Dybn 139		"		27	39	80	22	28.2	Photo Plot	"	X		"	
				27	39	80	22	773.0	Plane Table	4/16/68	X		"	
				27	39	80	22	29.3	Plane Table	"	X		"	
				27	39	80	22	803.5	Plane Table	"	X		"	
				27	39	80	22	26.1	Plane Table	"	X		"	
				27	39	80	22	715.0	"	"	X		"	

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* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Rockville, Md. May 16 19 68

I recommend that the following objects which have ~~(XXXXXX)~~ 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 H. Lucas

V. Ralph Sobieralski

Chief of Party

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	CHARTS AFFECTED		
			LATITUDE*		LONGITUDE*				HARBOR CHART	INKSORE CHART	OFFSHORE CHART
			° ' "	D. M. METERS	° ' "	D. P. METERS					
Lt 141	Indian River (South Section)		27 38	50.8	80 22	19.6	NA	4/8/68	X		845-SC
Dybn 143	"		27 38	30.7	80 22	18.9	"	"	X		"
Lt 144	"		27 38	08.1	80 22	20.1	"	"	X		"
Dybn 145	"		27 38	249.3	80 22	551.0	"	"	X		"
Lt 146	"		27 37	54.9	80 22	17.8	"	"	X		"
Dybn 147	"		27 37	54.8	80 22	15.7	"	"	X		"
	Vero Beach Channel										
Lt 2	"		27 39	12.8	80 22	20.2	"	"	X		"
Dybn 3	"		27 39	14.1	80 22	21.3	"	"	X		"
Dybn 4	"		27 39	434.0	80 22	583.8	"	"	X		"
Dybn 5	"		27 39	21.5	80 22	14.6	"	4/6/68	X		"
Dybn 7	"		27 39	661.8	80 22	400.2	"	4/18/68	X		"
			27 39	20.9	80 22	16.6	"	"	X		"
			27 39	643.3	80 22	455.0	"	"	X		"
			27 39	26.8	80 22	15.9	"	"	X		"
			27 39	824.9	80 22	435.8	"	"	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

~~NON-FLOATING AID~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~XXXXXXXXXX~~ STRIKE OUT TWO
~~XXXXXXXXXX~~

Rockville, Md. May 16, 1968

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 H. Lucas

V. Ralph Sobieralski

Chief of Party

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
			LATITUDE*		LONGITUDE*		DATUM							
			°	'	°	'								
Tank	Steel ht = 130 (135)		27	39	06.6	80	21	NA	1927	13106		X	X	845-SC 1247
Tank	Steel ht = 145 (150)		27	38	13.2	80	23	"	"	"		X	X	845-SC
Stack	Steel (Silver, Black Top) ht = 200 (205)		27	37	58.0	80	22	40.2	"	"		X		"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20-2, Sec. 1-35, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and non-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 considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

13101

NON-FLOATING AID(S) OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~XXXXXXXXXX~~
~~XXXXXXXXXX~~
STRIKE OUT TWO

Nov. 8 19 68

Rockville, Md.

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 LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE * D. M. METERS	LONGITUDE * D. P. METERS	DATUM							
Florida													
	Micro Tower	Skeleton steel, orange & white ht = 217 (223)		28 21	812.7	80 36	1370.0	NA 1927	Photo Plot T-13101	10/17/67	X X	X X	1245, 1246
	*Tank	Elevated ht = 115 (120) (Patrick AFB South Water Tank)		28 15	08.495 261.5	80 36	30.672 836.1	"	Triang. T-13101	10/27/67	X X		1246
	*Tank	Elevated ht = 112 (117) (Patrick AFB North Water Tank)		28 15	18.212 560.6	80 36	27.896 760.4	"	"	"	X X		"
*		Height and position furnished by Patrick AFB Civil Engineers (No date when established was furnished by PAFB C.E. for Tri. Stas.)											

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* TABULATE SECONDS AND METERS

