

13110

13110

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
Type of Survey	Shoreline
Field No.	Office No. T-13110
LOCALITY	
State	Florida
General locality	Florida Coast
Locality	St. Lucie Inlet
<u>1956-67-69</u> CHIEF OF PARTY	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD
T-13110

PROJECT NO. (II):			
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):	
1:20,000		20,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.		DATE:	DATE REGISTERED (IV):
HORIZONTAL DATUM (III):		VERTICAL DATUM (III):	
N.A. 1927		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):			
Sewall (USED), 1898			
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
27°10'25.905"	80°11'21.432"		
PLANE COORDINATES (IV):		STATE	ZONE
= 1,033,179.89 x = 763,587.01		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-13110

FIELD INSPECTION BY (III):		DATE:
None (see remarks below)		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Office interpretation Nov. 1966 - Feb. 1967 <i>Field edit - Feb. 1969</i>		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E. Roundtree		11-9-66
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. Glaser		11-15-66
CONTROL PLOTTED BY (III):		DATE
J. Taylor		5-1967
CONTROL CHECKED BY (III):		DATE
H. Lucas		5-1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
R. B. Kelly		May-Oct. 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
J. B. Phillips		May, 1967
MANUSCRIPT DELINEATED BY (III):		DATE
J. B. Phillips		May 1967
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
J. P. Battley, Jr.		March 1969
REMARKS:		
Field Edit by:		
E. W. Hartford - Feb. 1969		

DESCRIPTIVE REPORT - DATA RECORD

T-13110

CAMERA (KIND OR SOURCE) (III):

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

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L(C)-8721-8724	11-26-66	9:35	1:40,000	1.8' above MLW
67-S-8266-8269	2-24-67	9:13	1:40,000	2.1' 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: St. Lucie Inlet (jetty)		2.6	3.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): J. P. BATTLEY DATE: MAR. 1969

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 5 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,

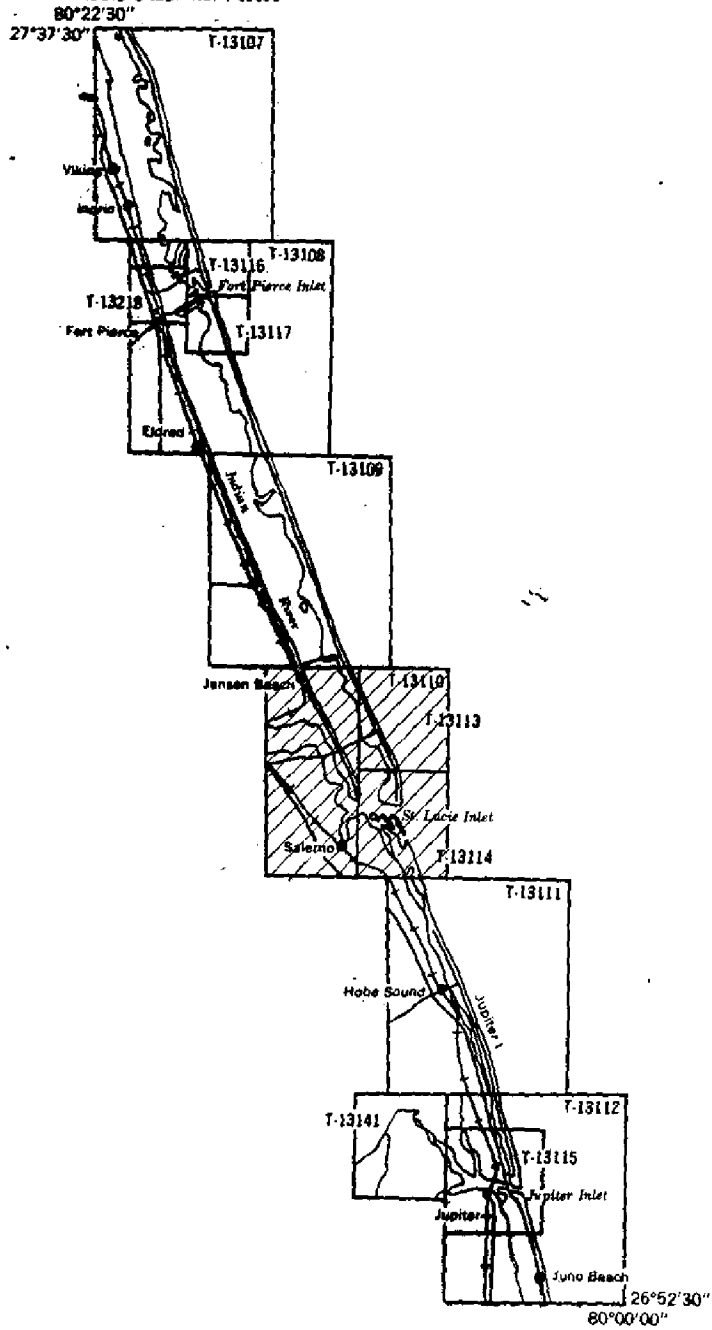
Jeter P. Battley Jr

J. P. Battley, Jr.

PROJECT DIAGRAM

INDEX TO ADJOINING SHEETS PH-6710

JOINS SHEET NO. T-13106



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 B. Kelly

Approved by:

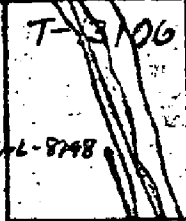
John D. Perraw Jr.

PH-6710
FLORIDA COAST

27°52'30"



80°30'00"



66-L-8798

66-L-8799



T-13107

66-L-8804

T-13116

T-13218

T-13117

66-L-8792

T-13108

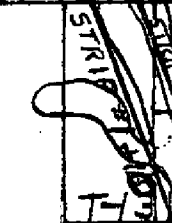
66-L-8788

30°10'00"

27°22'30"



66-L-8782(c)



T-13113

66-L-8696(c)

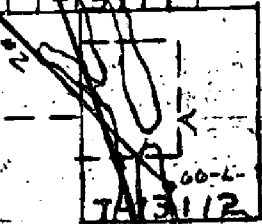
T-13114

66-L-8822(c)



80°00'00"

T-13141



T-13115

66-L-8822(c)

T-13112

26°52'30"

70-66-L-8708(c)

Compilation Report
Project PH-6710
T-13110
May 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 and T-13114, compiled at a scale of 1:10,000 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 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, scale 1:40,000 August 20, 1966, was used as an aid in locating landmarks and aids in the area. Geological Survey Quad., St. Lucie Inlet, Florida, scale 1:24,000 dated 1950 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

Forty-three daybeacons and 22 lights and 2 landmarks were located on this sheet.

38. Control for Future Surveys

No comment.

39. Junctions

Junction has been made and is in agreement to the North with T-13109 and to the South with T-13111. To the West is no contemporary survey and to the East is an all water area.

40. Horizontal and Vertical Accuracy

No comment.

41.-45. Not Applicable

46. Comparison with Existing Maps

Comparison has been made with Geological Survey Quad., St. Lucie Inlet, Florida, scale 1:24,000 dated 1950.

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.

Submitted by,



J. B. Phillips

Approved by,



K. N. Maki
Chief, Compilation Section

GEOGRAPHIC NAMES

FINAL NAME SHEET


PH-6710 (Cape Kennedy to Jupiter Inlet)

T-13110

Atlantic Ocean
Baker Point
Bessie Cove
Frazier Creek
Gilbert Shoal
Great Pocket
Hell Gate
Hell Gate Point
Hoggs Cove
Hole in the Wall
Hooker Cove
Horseshoe Point
Hutchinson Island
Indian River
Intracoastal Waterway
Jensen Beach
Joes Cove
Joes Point
Jupiter Island
Krueger Creek
Long Island
Long Point
Manatee Creek
Manatee Pocket

Negro Cove
North Jupiter Narrows
North Point
Peck Lake
Pisgah Hill
Poppolton Creek
Port Salerno
Port Sewall
Races Point
Rio
Rocky Point
Rocky Point Cove
St. Lucie Inlet
St. Lucie River
Sewall Point
Snug Harbor
South Point
Steele Point
Stuart
The Narrows
Waveland
Willoughby Creek
Witham Field

Approved by:


A. J. Wright
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

FIELD EDIT REPORT

PH-6710
St. Lucie Inlet
T-13110

GENERAL NOTES

This report is submitted for one T-sheet, field edited February 13 thru March 12, 1969.

All notations on the discrepancy sheet and on the photographs are made in violet ink. The notations were made either directly on the discrepancy print or referenced to photos.

51 METHODS

Field edit was accomplished by the following methods, by truck and skiff travel. Several areas were inspected for compilation of the MHWL and found to be adequate.

All discrepancies on the field edit sheet have been verified directly on the sheet or referenced to a photograph.

Notations are on the following photographs.

Ratio black and white prints.

66L8721, 22 23.

Color contact transparents.

66L8695, 96, 97, 8700, 8720, 21, 22.

52 ADEQUACY OF COMPILATION

The Comilation of MHWL as a whole appeared to be adequate.

Compilation of piers, streets, buildings on the MHWL, and along shore features was found to be adequate.

54 RECOMMENDATIONS

None

56 ROCKS

Several small rock cliffs were inspected along the east shore of Hutchinsons Island, these cliffs are on the MHWL and are noted on Photo 66L8722 (Mattie ratio print).

57 NAUTICAL LANDMARKS AND FIXED AIDS

All nautical landmarks and fixed aids were inspected, and either verified or located on the photos or cronaflex print and submitted on form 567.

58 LANDMARK BUILDING

Several buildings along the water front are recommended for charting or deletion, these are noted on the discrepancy print or referenced to a photo.

One public building show on Photo 66L8721 matte print.

59 STREETS

All street deletions and classification are noted directly on the discrepancy print, all addition are noted on the discrepancy and referenced to a photo.

Submitted by

E. W. Hartford
E. W. Hartford

14 March, 1969

Review Report T-13110
Shoreline Mapping
March 1970

61. General Statement

(See Summary)

62. Comparison with Registered Topographic Surveys

Comparison was made with T-8411, scale 1:20,000 dated 1947. This survey is superseded for nautical charting by the new survey. Due to extensive changes in the shoreline in the St. Lucie Inlet and Intracoastal Waterway areas, survey T-8411 is also obsolete for shoreline mapping.

63. Comparison with Maps of Other Agencies

See paragraph 46 of Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

T-13110 was used as a base for new hydrography. The new hydrographic surveys H-8954, scale 1:10,000 dated 1967 H-8956, scale 1:20,000 dated 1967 were used for comparison.

65. Comparison with Nautical Charts

Comparison was made with Chart 1247, 4th Edition, scale 1:80,000, dated February 17, 1969, Chart 845-SC, scale 1:40,000, 8th Edition dated August 30, 1969, and 855-SC, scale 1:40,000, 7th Edition, dated September 13, 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. T-13110 was used as a base in updating the present editions of the above charts.

66. Adequacy of Results and Future Surveys

T-13110 complies with the project instructions and is within the National Standards of Accuracy.

Reviewed by,

Jeter P. Battley Jr

Approved by,

R. H. Hunter
Chief, Photogrammetry Division

Charles J. Turner
Chief, Marine Chart Division

Photogrammetric Branch

1113

MAP T. 13110 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		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
					FORWARD	(BACK)		FORWARD	(BACK)	
REFUGE 2, 1934	Pg. 20	1927	1,092.663.97	776,048.72						
HIGH, 1929	Pg. 20	1927	1,020,902.87	766,746.29						
SEWALL (USED), 1898	Pg. 11	1927	1,033,179.89	763,587.01						
JETTY R.M. 1930			1,031,457.68	776,030.16						
BET 1967			1,053,237.67	765,592.23						

13150

TO BE CHARTED
~~XXXXREVISIONS~~
~~XXXXREVISIONS~~

St. Lucie Inlet March 19 69

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(insert from)~~ the charts indicated.
The positions given have been checked after listing by E. W. Hartford

J. K. Wilson
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
				°	'	°	'							
	Florida	Peck Lake												
		Daybeacon "16"		27 07	39.0	80 09	05.9	NA	1927	T-13110	2/19/69	X	845-855SC	
		Light "15"		27 07	40.3	80 09	04.1	"	"	"	"	X	"	
		Great Pocket												
		Light "14"		27 08	27.2	80 09	45.3	"	"	"	"	X	"	
		Daybeacon "13"		27 08	837.0	80 09	1248.0	"	"	"	"	X	"	
		Daybeacon "12"		27 08	29.7	80 09	43.8	"	"	"	"	X	"	
		Light "11"		27 08	915.0	80 09	1207.0	"	"	"	"	X	"	
		Daybeacon "10"		27 08	47.8	80 09	53.9	"	"	"	"	X	"	
		Light "9"		27 08	1470.0	80 09	1485.0	"	"	"	"	X	"	
		Daybeacon "8"		27 08	1490.0	80 09	1429.0	"	"	"	"	X	"	
		Daybeacon "7"		27 09	08.3	80 10	07.4	"	"	"	"	X	"	
		Light "6"		27 09	255.0	80 10	203.9	"	"	"	"	X	"	
		Daybeacon "5"		27 09	12.8	80 10	08.0	"	"	"	"	X	"	
		Daybeacon "8"		27 09	394.0	80 10	221.0	"	"	"	"	X	"	
		Daybeacon "7"		27 09	14.0	80 10	13.4	"	"	"	"	X	"	
		Light "6"		27 09	430.0	80 10	370.0	"	"	"	"	X	"	
		Daybeacon "5"		27 09	21.0	80 10	20.2	"	"	"	"	X	"	
		Daybeacon "5"		27 09	643.0	80 10	556.0	"	"	"	"	X	"	
		Daybeacon "5"		27 09	21.2	80 10	24.8	"	"	"	"	X	"	
		Daybeacon "5"		27 09	653.0	80 10	684.0	"	"	"	"	X	"	
		Daybeacon "5"		27 09	25.7	80 10	26.1	"	"	"	"	X	"	
		Daybeacon "5"		27 09	792.0	80 10	717.9	"	"	"	"	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

St. Lucie Inlet March 19 69

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 E. W. Hartford

J. K. Wilson

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	METHOD OF LOCATION AND SURVEY NO.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #	LONGITUDE #	DATUM							
				° ' "	° ' "	"							
				D.M. METERS	D.P. METERS	"							
Florida	Great Pocket			27 09 34.5	80 10 336.0	NA	Photo T-13110	2/19/69	X				845-855SC
	Daybeacon "3"			27 09 43.4	80 10 40.0	"	"	"	X				"
	Daybeacon "1"			27 09 1336.0	80 10 1102.5	"	"	"	X				"
	St. Lucie Inlet												
	Entrance range Front Dybn			27 09 58.6	80 09 51.9	"	"	"	X				845-855SC
	Entrance range Rear Dybn			27 09 1805.	80 10 1430.0	"	"	"	X				1247
	Indian River (South Section)			27 09 57.7	80 10 20.7	"	"	"	X				"
	St. Lucie crossover range Front Lt "4"			27 09 1776.0	80 10 570.0	"	"	"	X				"
	St. Lucie crossover range Rear Lt.												
	St. Lucie crossover range Range Rear Light 236			27 09 33.9	80 10 36.5	"	"	"	X				845-855SC
	St. Lucie crossover range Range Front Light 236			27 09 1042.0	80 10 1003.8	"	"	"	X				"
	Daybeacon "235"			27 09 25.0	80 10 31.7	"	"	"	X				"
	Daybeacon "234"			27 09 768.	80 10 873.0	"	"	"	X				"
	Light "233"			27 10 41.8	80 11 10.3	"	"	"	X				"
				27 10 1287.0	80 11 284.0	"	"	"	X				"
				27 10 35.8	80 11 07.3	"	"	"	X				"
				27 10 1103.0	80 11 200.0	"	"	"	X				"
				27 10 38.0	80 11 04.9	"	"	"	X				"
				27 10 1171.0	80 11 135.0	"	"	"	X				"
				27 10 59.6	80 11 06.0	"	"	"	X				"
				27 10 1834.0	80 11 165.0	"	"	"	X				"
				27 10 59.4	80 11 03.2	"	"	"	X				"
				27 10 1829.0	80 11 88.0	"	"	"	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

St. Lucie Inlet March 19 69

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 E. W. Hartford

J. K. Willson

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				DATUM	METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	KASBERG CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*								
				°	'	°	'							
	Florida	Indian River (South Section)												
		Daybeacon "232"		27 11	768.0	80 11	08.6 NA	237.0	1927T-131102	2/19/69	X		845-855S	
		Light "231"		27 11	795.0	80 11		173.4		2/20/69	X		"	
		Daybeacon "230"		27 11	53.3	80 11		16.4		"	X		"	
		Light "229"		27 11	1640.0	80 11		450.0		"	X		"	
		Daybeacon "228"		27 11	57.6	80 11		15.2		"	X		"	
		Daybeacon "226"		27 12	773.0	80 11		418.0		"	X		"	
		Daybeacon "225"		27 12	01.6	80 11		19.8		"	X		"	
		Daybeacon "224"		27 12	50.0	80 11		545.0		"	X		"	
		Langford Terrace Marina		27 12	44.0	80 11		44.6		"	X		"	
		Daybeacon "223"		27 12	1355.3	80 11		1228.0		"	X		"	
		Daybeacon "222"		27 13	07.3	80 11		56.2		"	X		"	
		Daybeacon "221"		27 13	225.0	80 11		1547.0		"	X		"	
		Daybeacon "220"		27 13	26.5	80 12		09.9		"	X		"	
		Daybeacon "219"		27 13	815.0	80 12		272.0		"	X		"	
		Langford Terrace Marina												
		Daybeacon 1,2,3,4,5,6,7,8,9,10 (Priv. Maintd.)		See separate page										
		Light "223"		27 13	47.7	80 12		19.7		"	X		"	
		Daybeacon "222"		27 13	1467.0	80 12		542.0		"	X		"	
		Daybeacon "221"		27 14	05.2	80 12		34.0		"	X		"	
		Daybeacon "220"		27 14	161.0	80 12		935.0		"	X		"	

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* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

St. Lucie Inlet March 19 69

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 E. W. Hartford

J. K. Wilson

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*							
				D. M.	SECONDS	D. M.	SECONDS						
Florida		Indian River (South Section)											
	Daybeacon "221"			27 09 28.3	80 12 44.1	NA	Photo	2/20/69	X			845-855SC	
	Daybeacon "220"			27 14 49.2	80 13 59.0	"	"	"	X			"	
	Okeechobee Waterway												
	St. Lucie River												
	Daybeacon "5"			27 09 54.0	80 11 07.6	"	"	"	X			"	
	Salerno Daybeacon "1"			27 09 49.2	80 11 26.6	"	"	"	X			"	
	Salerno Daybeacon "2"			27 09 50.6	80 11 28.9	"	"	"	X			"	
	Salerno Daybeacon "3"			27 09 43.3	80 11 33.0	"	"	"	X			"	
	Salerno Daybeacon "4"			27 09 44.7	80 11 33.5	"	"	"	X			"	
	Daybeacon "6"			27 09 55.0	80 11 25.7	"	"	"	X			"	
	Light "7"			27 09 53.2	80 11 28.9	"	"	"	X			"	
	Daybeacon "8"			27 09 56.4	80 11 29.1	"	"	"	X			"	
	Daybeacon "10"			27 10 06.1	80 11 39.8	"	"	"	X			"	
				27 10 188.0	80 11 1096.0	"	"	"	X			"	

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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

St. Lucie Inlet March 19 69

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 E. W. Hartford

J. K. Wilson

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							
	Florida	Okeechobee Waterway												
		St. Lucie River												
		Light "11"		27 10 05.2	80 11 41.0	NA	Photo	2/20/69	X			845-855SS		
		Daybeacon "12"		27 10 14.4	80 11 1130.0	"	"	"	X			"		
		Light "13"		27 10 42.0	80 11 1211.0	"	"	"	X			"		
		Light "13A"		27 10 15.6	80 11 47.2	"	"	"	X			"		
		Light "14"		27 10 28.6	80 11 1300.0	"	"	"	X			"		
		Light "15"		27 10 879.0	80 11 51.8	"	"	"	X			"		
		Light "19"		27 10 33.7	80 11 1426.0	"	"	"	X			"		
		Daybeacon "21X"		27 10 47.2	80 11 1316.0	"	"	"	X			"		
		Light "21"		27 10 17.4	80 11 1279.0	"	"	"	X			"		
		Daybeacon "23X"		27 11 535.0	80 12 340.0	"	"	"	X			"		
		Light "22"		27 12 13.8	80 12 49.7	"	"	"	X			"		
		Daybeacon "23X"		27 12 48.5	80 12 1369.0	"	"	"	X			"		
		Light "22"		27 12 1492.0	80 12 55.5	"	"	"	X			"		
		Daybeacon "23X"		27 12 25.1	80 12 1527.0	"	"	"	X			"		
		Light "22"		27 12 773.0	80 13 132.0	"	"	"	X			"		
		Daybeacon "23X"		27 12 33.3	80 14 895.0	"	"	"	X			855SS		

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NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

St. Lucie Inlet

19

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 E. W. Hartford

J. K. Wilson

Chief of Party

STATE	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
				° ' "	D.M. METERS	° ' "	D.P. METERS							
		Langford Terrace Marina					NA 1927	Plane Table	2/20/69	x		845-855SC		
		Daybeacon 1		27 13	918.0	80 12	427.8	15.5	"			"		
		" 2		27 13	954.0	80 12	436.8	15.8	"		x	"		
		" 3		27 13	819.0	80 12	629.8	22.9	"		x	"		
		" 4		27 13	853.0	80 12	650.8	23.6	"		x	"		
		" 5		27 13	753.0	80 12	775.8	28.2	"		x	"		
		" 6		27 13	782.0	80 12	793.8	28.8	"		x	"		
		" 7		27 13	701.0	80 12	884.0	32.1	"		x	"		
		" 8		27 13	728.0	80 12	907.8	33.0	"		x	"		
		" 9		27 13	640.0	80 12	1013.8	36.8	"		x	"		
		" 10		27 13	687.0	80 12	993.8	36.1	"		x	"		

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