Original

TP-00159

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey ...Coastal Boundary.....

Job No. PH-6910..... *Map No.* TP-00159..

Classification No. Final *Edition No.* ....1.....

LOCALITY

State .....Florida.....

General Locality ..Martin County.....

Locality ..Hutchinson Island.....

.....

19 70 TO 19 73

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE:1973-761-778

TP-00159

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00159

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-6910

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Wesley V. Hull

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED
JOB PH- ____
MAP CLASS ____
SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
General-Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, June 19, 1973 OFFICE-Supplement I, August 19, 1973 NOTE:Office and Field Edit Instructions (1973) incorporate applicable prior operational instructions. OFFICE-Supplement II, Sept. 24, 1973	Aerial Photography 9/2/69 Supplement I, 1/28/70 Supplement II, 3/26/70 Supplement III, 8/10/72 Field Edit(PH-7000)General Instructions for Florida Coastal Zone Mapping) 1973.

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Transverse Mercator

4. GRID(S)

STATE	ZONE
Florida	East

5. SCALE: 1:10,000

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Brant	Aug. 71
METHOD: Analytic	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	Aug. 71
METHOD:	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	H. Lucas	Aug. 72
Shoreline:Graphic	CHECKED BY	J.P. Battley,Jr.	Aug. 72
METHOD:	~~CONTOURS~~ BY	J. Taylor	July 72
	CHECKED BY	J.Battley,Jr.	July 72
Interior:Orthophoto Mosaic	HYDRO SUPPORT DATA BY	Inapplicable	
SCALE: 1:10,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.Battley,Jr.	
6. APPLICATION OF FIELD EDIT DATA	BY	H. Lucas	Aug 73
	CHECKED BY	R. Rich	Mar 74
7. COMPILATION SECTION REVIEW	BY	G. Fromm	Sept. 74
8. FINAL REVIEW	BY	F. Wright	Oct. 74
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	April 75
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Cator	Aug. 75

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

COMPILATION SOURCES

TP-00159

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8
E&L Cameras 6" focal length

TIDE STAGE REFERENCE
- ☐ PREDICTED TIDES
- ☐ REFERENCE STATION RECORDS
- ☒ TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED B&W

TIME REFERENCE
ZONE: Eastern — ☒ STANDARD
MERIDIAN: 60 & 75 — ☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*70E(C)5872-5874	2/14/70	13:44	1:40,000	The stage of tide is inapplicable for the color photography.
70L6352R-6355R	8/12/70	10:36	1:25,000	
70L7102R,7103R,7105R	8/18/70	9:58	1:25,000	Refer to the following page for tide information.
70L6773R-6775R	8/14/70	15:11	1:25,000	
70L8842 - 8845	2/10/70	10:40	1:20,000	
70L8825-8829	2/10/70	10:27	1:20,000	
70L8877-8879	2/10/70	11:12	1:20,000	

REMARKS
*Mosaic assembled from these photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

The date and source of the mean high water line is the tide-coordinated black-and-white infrared photography listed under item 1. This map was field edited in 1973.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The date and source of the mean low water line is the tide-coordinated black-and-white infrared photography listed under item 1.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
Inapplicable					

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00157	Atlantic Ocean	TP-00160 & TP-00161	TP-00158

REMARKS Final junctions were made in the Coastal Mapping Section.

* U. S. GOVERNMENT PRINTING OFFICE: 1974-768-078

TP-00159
TIDE INFORMATION

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
70L6352 - 6355	JUPITER INLET (Atlantic Ocean)	+0.07MLW	2.46
	SEWALL POINT(East Shore Indian River)	-0.36MLW	0.93
70L6355	SEWALL POINT (West shore * Indian River)	-0.36MLW	0.93
70L6773 - 6775	SEWALL POINT (Indian River)	-0.25 MLW	0.93
70L8842-8845	FT. PIERCE INLET (Atlantic Ocean)	-0.10MHW	1.84
	SEWALL POINT(Indian River- east shore)	-0.10MHW	0.93
70L8825 - 8829	SEWALL POINT(Indian River- West shore)	-0.13MHW	0.93
70L8877 - 8879	STUART POINT(St. Lucie River)	-0.27MHW	0.88
70L7102,3, & 05	SEWALL POINT(St. Lucie Inlet & Atlantic Ocean)	+0.14MHW	0.93

* The stage of tide tolerance is greater than ±0.30 ft. specified in the instruction for some of the photography used in compiling portions of the MHW and MLW lines. The horizontal position of these lines was verified by field edit.

NOAA FORM 76-36C
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00159

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [X] FIELD EDIT OPERATION. See item 8 February 1973

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.R. Wagner	2/2/72
2. HORIZONTAL CONTROL	RECOVERED BY	W.H. Shearouse	2/2/72
	ESTABLISHED BY	N.A.	
	PRE-MARKED OR IDENTIFIED BY	N.A.	
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	2/2/72
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY	R.R. Wagner	12/1/72
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY		
	LOCATED (*Field Methods*) BY		
	IDENTIFIED BY	R.R. Wagner	12/1/72
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [X] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY	R.R. Wagner	12/7/72
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.R. Wagner	12/5/72
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
	See item 8 below

PHOTO NUMBER	STATION DESIGNATION
70E5872	L224,B306,P236,Q236, B239
70E5874	T231,U231,Y231,Z231, C236,A239,H308,J308 REFUGE 2, SEWALL(USE)
70L7105R	TIDAL 4

3. PHOTO NUMBERS (*Clarification of details*)

70E5872,5874, 70L8843R,70L8845R, 70L8825R, 70L7102R, 70L7103R, 70L7005R, 70L6353R, 70L6352R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and nonfloating aids were either photo-identified, verified, or located by sextant fix.

PHOTO NUMBER	OBJECT NAME
70L8843R	WOOD TOWER
70E5872	TANK
70E5855	

PHOTO NUMBER	OBJECT NAME
70E5872	N.Crossover Range Rear Light
70E5872	N. Crossover Range Rear Light

5. GEOGRAPHIC NAMES: [X] REPORT [ ] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

Form 76-52

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

*The field inspection operation was limited to the premarking of control. Refer to the Field Inspection Report.

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

TP-00159

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No map copies were	furnished	to Marine Charts prior to final review.		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		4/9/75	6 Forms 76-40 submitted as final report.

2. ☑ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/9/75
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☑ BRIDGING PHOTOGRAPHS; ☑ DUPLICATE BRIDGING REPORT; ☑ COMPUTER READOUTS.
2. ☑ CONTROL STATION IDENTIFICATION CARDS; ☑ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☑ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

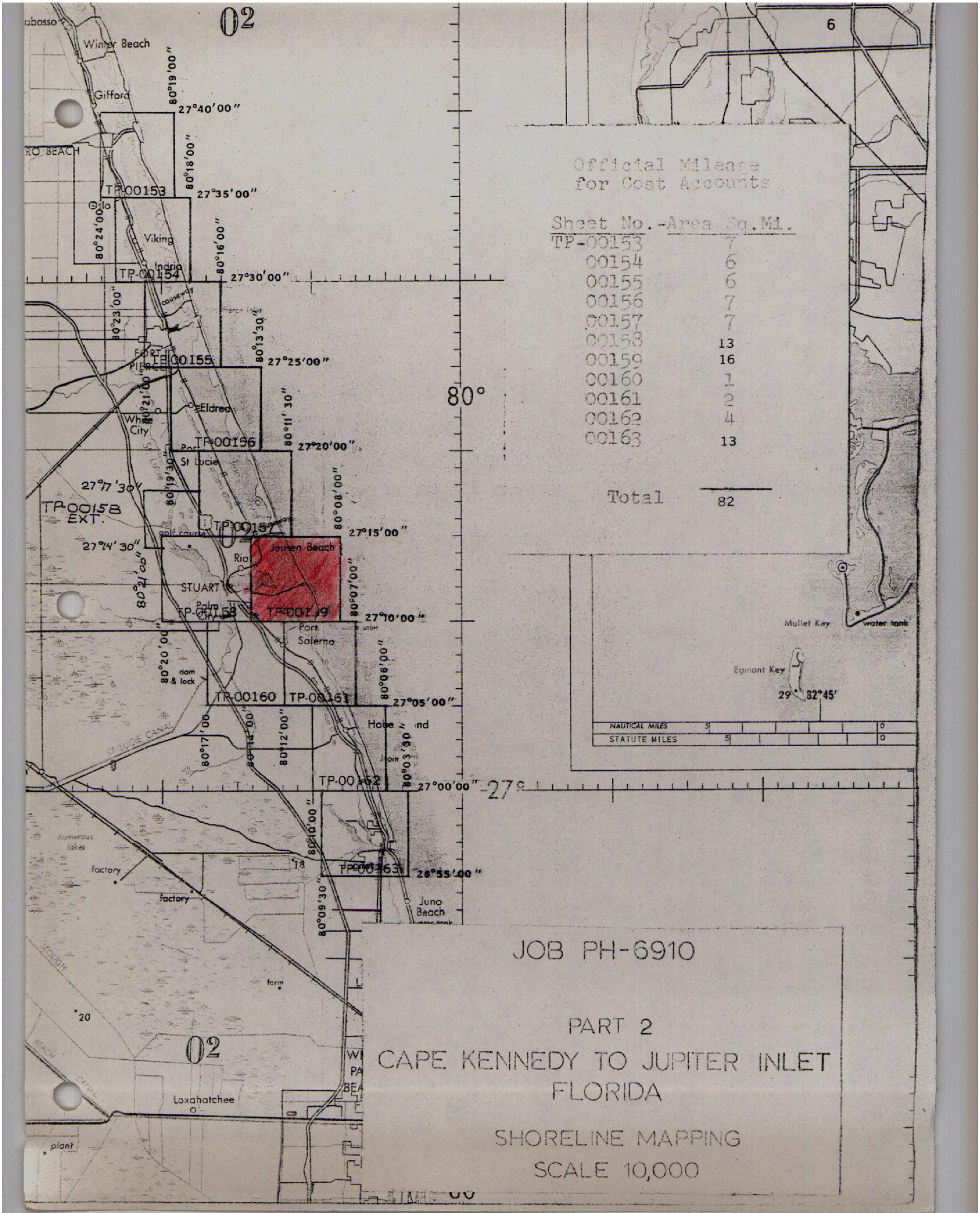
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.
TP-00153	7
00154	6
00155	6
00156	7
00157	7
00158	13
00159	16
00160	1
00161	2
00162	4
00163	13
Total	82

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET FLORIDA

SHORELINE MAPPING

SCALE 10,000

Record of Decisions
TP-00159

The Record of Decisions was discontinued on June 17, 1975. Refer to Form 76-36B bound in this Descriptive Report for tidal datum information.

SUMMARY
TP-00153 thru TP-00163

Coastal Zone Map TP-00159 is one of eleven (11) similar maps in project PH-6910, Part 2. The layout of sheets (page 6 of this report) will show its location. These maps are intended for planning purposes by the State of Florida and for the compilation of NOS Nautical Charts.

The area is covered by aerial photography taken in 1970 on color and black and white infrared film. The infrared film was tide coordinated.

Field operations consisted of the establishment of tidal datums, control recovery, pre-marking of control, and field edit. Data for the compilation of tide stations and tidal bench marks were furnished by the Tidal Datum Planes Section. Condensed descriptions of both tidal and geodetic bench marks shown on this map were furnished by the Coastal Surveys Section.

Horizontal control was extended by analytical aerotriangulation methods using the stereo comparator. This provided control for the orthophot mosaic and compilation.

Shoreline and alongshore features were compiled from tide coordinated black and white infrared photography using a stereo plotter and graphic methods. The interior of the maps are depicted by an orthophoto mosaic.

All line work is scribed, approved symbols are shown in the marginal data.

Explanatory notes relating to datum determinations approved by a special ad hoc committee are shown on the reverse side of the maps.

All maps are published by the NOS and were printed in three colors by the Reproduction Division. A special registration copy was prepared to meet the requirements for Nautical Charts. This registration copy shows additional offshore details not shown on the published map and will be noted "Registration Copy" under the title block.

The following items will be registered in the Bureau Archives:

1. A plastic copy of the published map (1:10,000 scale).
2. A stable base positive of the registration copy (1:10,000 scale).
3. The Descriptive Report.

All negatives will be filed with the Reproduction Division.

All field data such as Forms 152, field edit photographs, profiles, field edit ozalids, etc., are filed in the Federal Records Center.

FIELD REPORT
PREMARKING HORIZONTAL CONTROL
JOB PH-6910, CAPE KENNEDY TO JUPITER INLET, FLORIDA

In accordance with Instructions - FIELD - Supplement L, Job PH-6910; Coastal Boundary Mapping, Cape Kennedy to Jupiter Inlet, Florida, twenty-two horizontal control stations were recovered and paneled in accordance with practices in use at this time. All stations were premarked for 1:40,000 scale photography.

White polyethylene plastic sheeting was used for all but 2 stations. Sketches on the CSI cards show the pattern used in each instance but most stations were paneled with a 5-ft. square target placed directly over the station mark and 3 runner-type wing panels 3.5/4' X 20' approximating 120° angles around the square.

TRIPOD 3, 1963 and WHITE 2, 1966 were premarked with black plastic, the center panel being 10' X 10' and the wing panels 8' X 20'. The ground surface at these 2 locations was considered too white for the white targets to be seen, hence the use of black material.

In addition to the sketches shown on the CSI cards the station locations have been spotted on USGS Quadrangle maps which are transmitted as part of the job data.

A recap, showing the stations as numbered on the job control diagram, the TP-map number and the quadrangle map on which it falls, follows:

STATION No.	NAME		MAP NO.	USGS QUADRANGLE
1	CENTRAL	1950	TP-00136	CAPE CANAVERAL
2	ARTESIA	1953	"	" "
3	POSE	1966	TP-00138	COCOA BEACH
4	MUNSON	1940	TP-00139	"
5	PATRICK N. BASE	1960	TP-00140	" "
6	TRIPOD 3	1963	TP-00142	TROPIC
7	COLLEGE 2	1934	TP-00143	"
8	TURKEY CREEK	1934	TP-00144	MELBOURNE EAST
9	VALKARIA	1966	TP-00146	GRANT
10	SLIP 2	1934	TP-00149	SEBASTIAN NW
11	SEBASTIAN 2	1934	TP-00150	SEBASTIAN
12	SCORPION 2	1961	TP-00153	VERO BEACH
13	RIOMAR 2	1960	TP-00154	INDRIO
14	PIERCE 2	1963	TP-00155	FORT PIERCE
15	WHITE 2	1966	TP-00156	" "

STATION NO.	NAME		MAP NO.	USGS QUADRANGLE
16	WALTON	1930	TP-00157	ANKONA
17	REFUGE 2 RM # 4	1967	TP-00160	ST. LUCIE INLET
18	SEAWALL	1934	TP-00159	" " "
19	PINE	1929	TP-00162	GOMEZ
20	CISTERN	1956	TP-00163	HOBE SOUND
21	RADAR	1954	TP-00164	JUPITER
22	GOLF RM # 1	1934	South of TP-00164	RIVIERA BEACH

Targets were visited after photography and found to be in good condition. No center panels were damaged except GOLF RM 1 and it was only slightly torn on its north edge. Images of all targets should be visible on the photographs.

Submitted 2/24/70

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

PHOTOGRAMMETRIC PLOT REPORT
Cape Kennedy to Jupiter Inlet, Florida (Part 2)
Job PH-6910
August 1971

21. Area Covered

This report covers the area south from an area about eight miles north of Fort Pierce Inlet to Jupiter Inlet. The job consists of eleven (11) 1:10,000 scale sheets, TP-00153 thru TP-00163.

22. Method

Two (2) strips of photographs (Nos. 27 and 28) were bridged using analytical aerotriangulation methods. Ties were made between the two strips and with a previous bridge (strip 26) from Part 1 of this project. Image points were located to rectify photographs for mosaics and to ratio infrared photography. Additional points were located for the construction of mosaic type nautical and small craft charts. The final positions of points for the two strips of photographs were determined by a 35-photo block adjustment. Closures to control have been noted on the read-outs. The attached sketch of the strips bridged shows the placement of the control used in the block adjustment. All bridge points have been plotted by the Coradimat on the Florida East Zone plane coordinate system.

23. Adequacy of Control

Horizontal control was premarked and was adequate for bridging.

24. Supplemental Data

None

25. Photography

The following 1:40,000 scale, RC-8, color photography was used in bridging:

Strip 27	70-E(C)-5861 thru 5886
Strip 28	70-E(C)-5850 thru 5856

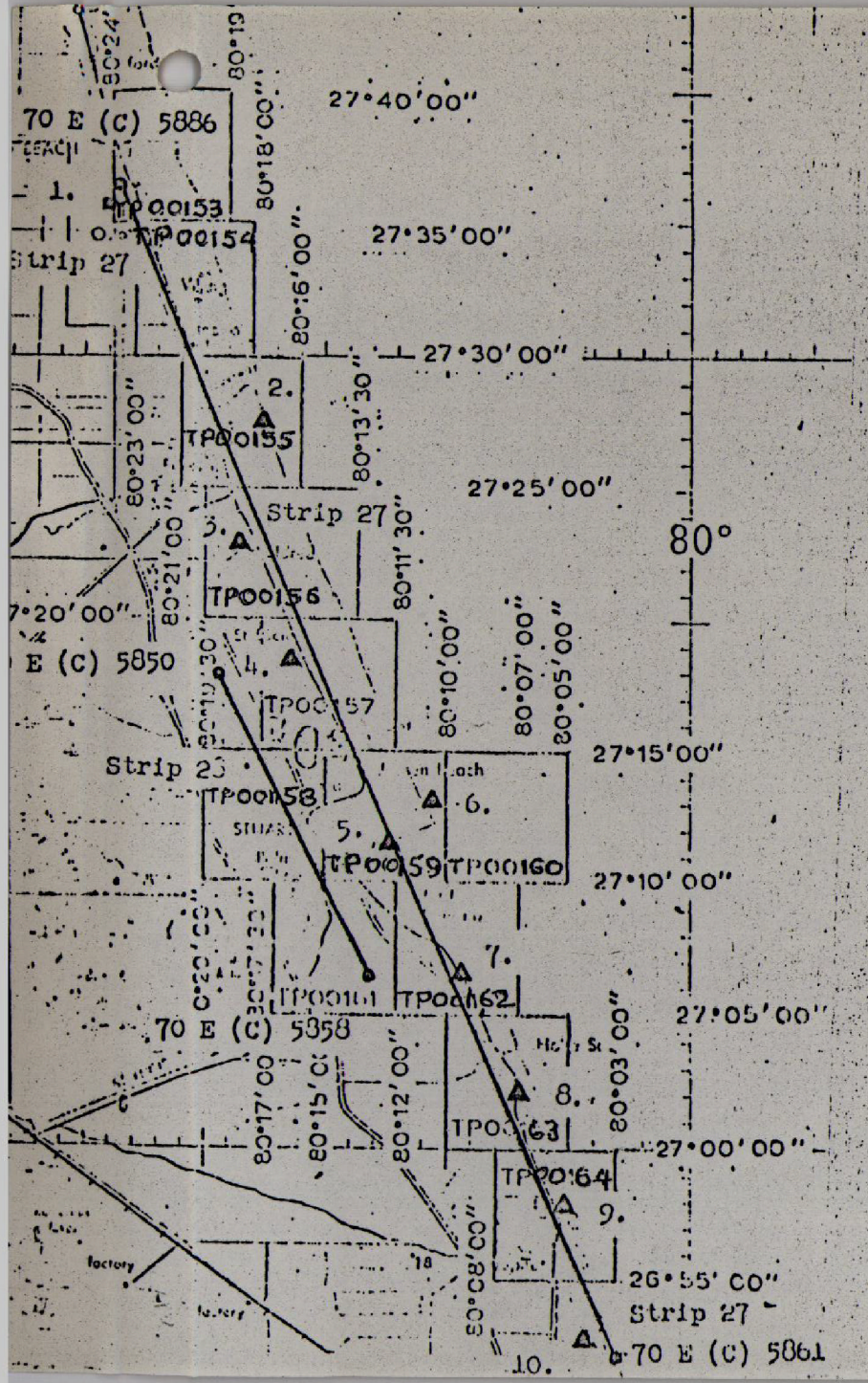
The definition and quality of the photography was good.

Respectfully submitted,

Donald M. Brant

Approved and Forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section



CONTROL

1. 72804 (Tie from Strip 26)
2. PIERCE 2 1963
3. WHITE 2 1966
4. WALTON 1930
5. REFUGE 2 RM 4 1934
6. SEAWALL 1898
7. PINE 1929
8. CISTERN 1956
9. RADAR 1955
10. GOLF RM 1 1934

Note: The map layout for PH-6910(Part 2) was revised after the completion of the aerotriangulation operation. Refer to page 6 for revised layout.

■ Tie point used in adjustment
▲ Horizontal control used in adjustment
● 1:40,000 scale photography

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET FLORIDA

SHORELINE MAPPING
SCALE 10,000

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
BAY (U.S.E.), 1934	Book 421, p.24, 45 G.P.-Fla. Vol. 1, p. 789, P.C. Fla. E Zone, p. 169
REFUGE 2, 1934	Book 421, p. 4, 29, 32, 50, 51, 56 G.P.-Fla. Vol. 1, p. 158, P.C. Fla. E Zone, p. 20
SEWALL (U.S.E.), 1898	Book 421, p. 5, 29, 44, 51, 57 G.P.-Fla. Vol. 1, p. 129, P.C. Fla. E Zone, p. 11
STEEL (U.S.E.), 1934	Book 421, p. 30 G.P.-Fla. Vol. 1, p. 788, P.C. Fla. E. Zone, p. 168
PISGAH, 1883	Book 421, p. 4,29,32 G.P.-Fla.Vol. 1, p. 157, P.C. Fla. E Zone, p. 20
KRUEGER, 1930	Book 421, p. 7,26,39 G.P.-Fla. Vol. 1, p. 709, P.C. Fla. E Zone, p. 158
SURF, 1934	Book 421, p. 4,30,31,37,52 G.P.-Fla. Vol. 1, p. 158, P.C. Fla. E Zone, p. 20
SVILOKOS (U.S.E.) 1934	Book 421, p. 31 G.P.-Fla. Vol. 1, p. 788, P.C. Fla. E Zone, p. 169
JETTY, 1930	Book 421, p. 7,26,38 G.P.-Fla. Vol. 1, p.708, P.C. Fla. E Zone, p. 158
JOE, 1930	Book 421, p. 3,26,37 G.P.-Fla. Vol 1, p. 708, P.C. Fla. E Zone, p. 158

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
T231	21.083	C&GS disk stamped T231 1965; 45.2 ft. W of W rail 28.5 ft. S centerline S707A, 12.5 ft. S of W one of 2 flashing signals set in top of SW corner of concrete catch basin.
Z231	14.688	C&GS disk stamped Z231 1965; 20 ft. S centerline A1A, set in top of the SE corner of Bridge over St. Lucie River.
C236	14.951	C&GS disk stamped C236 1965; 20.5 ft. S of centerline A1A, set in top of the SE corner of most easterly bridge over Indian River.
P236	3.346	C&GS disk stamped P236 1965; 23 ft. E of centerline Blvd., 64 ft. NE and across Blvd. from NE corner of Boardwalk leading W to Indian River, 1.4 ft. N of metal witness post.
Q236	4.104	C&GS disk stamped Q236 1965; 24 ft. E centerline road, 2 ft. S of power pole with 4 guy wires, 1.6 ft. N of metal witness post.
B239	6.453	C&GS disk stamped B239 1965; 27 ft. W centerline Blvd. on top of steel rod, 3 ft. SW of a 3 ft. high 9-inch square metal box labeled "Warning-Underground Cable", 1.6 ft. N of power pole with two guy wires, 1.1 ft. S of metal witness post.
B306	4.925	C&GS disk stamped B306 1970; 36 ft. NW of NW corner of bridge over narrow waterway set in top of SW corner of seawall, 63 ft. E centerline road
H308	3.524	C&GS disk stamped H308 1970; 46 ft. W centerline A1A, 3.5 ft. N of power pole, 2.2 ft. S of metal witness post.
J308	3.422	C&GS disk stamped J308 1970; 82 ft. N centerline driveway, 47 ft. W centerline A1A, 2 ft. N of power pole, 1.4 ft. S of metal witness post.
REFUGE 2	9.176	C&GS disk stamped REFUGE 2 1934 1967; 126 ft. N of NW corner of concrete block fence around House of Refuge and Coast Guard Lookout Tower, 18 ft. E centerline Blvd., 6.6 ft. W of E edge of parking area.

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
SEWALL (USE)	36.483	C&GS disk stamped SEWALL USE 1898 1934; 48 ft. S of SW corner of proch along S side of house, about 12 ft. N of top of bank.
L224	18.373	C&GS disk stamped L224 1965; 49 ft. SE centerline of Ave., 4 ft. SE power pole, 1.8 ft. NW of metal witness post.
U231	7.238	C&GS disk stamped U231 1965; set on top of SE concrete base of SE leg of abandoned water tank, 62 ft. N of N rail.
Y231	10.817	C&GS disk stamped Y231 1965; at the SE corner of bridge, 18 ft. S centerline hwy. 0.5 ft. S of E concrete post supporting S concrete guard rail.
A239	9.199	C&GS disk stamped A239 1965; 67.2 ft. S centerline hwy., 32.5 ft. NW of 16-inch pipe.
TIDAL 4	4.636	C&GS disk stamped 4 1937; 100 ft. E of W end of N jetty of St. Lucie Inlet, set in top of a 5x4 ft. boulder which is part of the jetty.

TP-00159
Compilation Report
August 1972

31. Delineation

All features were delineated by graphic compilation. Control for the graphic compilation consisted of map points, determined in aerotriangulation, and planimetric features.

The natural shoreline, MHWL, and MLWL, was compiled using ratioed tide-coordinated black-and-white infrared photography.

Manmade features and alongshore features were compiled from rectified black-and-white prints of the color photography and supplemented by the ratioed infrared and color contact prints.

Interior features were depicted by an orthophoto mosaic from rectified black-and-white prints of the color photography.

A field edit is requested for clarification of questionable areas noted on the discrepancy print.

32. Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data - None.

34. Contours & Drainage

Contours are inapplicable. Drainage is depicted by the orthophoto mosaic.

35. Shoreline and Alongshore Detail

Photography was adequate for the delineation of the mean high and mean low water lines.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks & Aids

All landmarks and aids to navigation will be located during field edit.

38. Control for Future Surveys - None.

39. Junctions

Refer to Form 76-36B (Data Record).

40. Horizontal and Vertical Accuracy

The map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program as outlined by project instructions, PH-7000.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with USGS Quadrangle, St. Lucie Inlet, dated 1948, scale 1:24,000.

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison with existing maps were made with the following:

NC 1247, scale 1:80,000, 5th edition, dated April 1972;
SC845, scale 1:40,000, 10th edition, dated August 1971;
SC855, scale 1:40,000, 9th edition, dated October 1971.

No significant differences were noted.

Submitted by,

Henry Lucas

Approved and forwarded:

J.P. Battley, Jr.
Chief, Coastal Mapping Section

Field Edit Report, Map TP-00159, Job PH-6910

51. METHODS

The Atlantic Ocean shoreline was verified visually from roads leading to the shore or by walking where necessary and no man made changes were found. Shoreline of the Indian River was verified visually from a skiff while cruising just offshore. Notes regarding apparent and fast shoreline, piers and other shoreline structures were made on the photographs.

This map has been completed for some time except for tidal data needed for profiles. The instructions now state that the shoreline will be as photographed with the exception of man made changes. The LWL was inspected on Feb 26, 1973. The tide staff reading at the time of inspection was 3.75'. This is the lowest elevation of the water for a number of days. The MLW for Sewall Pt. is 3.34' (staff). The area around St. Lucie Inlet is very shallow. We waded around this whole area with a stadia rod and reduced the water level to the staff reading. Some areas that appears to bear on the LW photographs is a growth of grass (sea weed) that bares at MLW. This sea weed is from 0 to .5 of a foot above the MLW. The MLWL is on the LW photographs.

Three landmarks are submitted on Form 76-40.

Forms 76-40 is submitted for nonfloating aids.

Bench marks were searched for and reported on Form 685A. The identified bench marks are on the rectified and IR photographs.

All known triangulation stations were searched for and reported on Forms 526.

Field edit notes will be found on the Discrepancy Print, Field Edit Sheet and the photographs.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 2/14/73

Joseph Di Mare

Robert R. Wagner
Chief, Photo Party 60

56, GEOGRAPHIC NAMES

See report attached.

GEOGRAPHIC NAME REPORT
TP-00159

No investigation of names was required. There are two bridges with a large concrete monument with a bronze plate at beginning of each bridge which states that names were designated by the 1965 Legislature of Florida. The bridge over the St. Lucie River is "THE EVANS CRARY SR. BRIDGE" and the one over the Indian River "THE ERNEST F. LYONS BRIDGE".

A map showing the limits of the town of SEWALL'S POINT is part of this report.

A map showing the limits of the Town OF OCEAN BREEZE PARK is part of this report.

The two town limits can be found by street comparison on the photographs.

It is recommended that these names be used.

Robert R. Wagner
Chief, Photo Party 60

Remarks: Application of Field Edit TP-00159

The MHWL around St. Lucie Inlet at jetty near North Point was delineated from photograph 70L7105R.

The MLWL in the vicinity of latitude 27°10.1' and longitude 80°11.2' was delineated from photograph 70L6773R. Photograph 70L7005R (annotated field photo) was found to be inconsistent with adjoining photography because of sunspots and was not used.

Submitted by;

Greg Fromm

G. Fromm
September 1974

Review Report
Coastal Zone Map TP-00159
April 1975

61. General

The map manuscript for TP-00159 was reviewed in its Class I (field edit applied) stage by the Quality Control Group. The review consisted of an examination of the following:

The map manuscript;
Photography;
Field edit and its application;
Reproduction negatives;
Descriptive report.

The proof copy of this map (TP-00159) was examined by the Quality Control Group prior to its printing. This edit comprised a thorough inspection of map details to verify the accuracy of reproduction with reference to the map manuscript and the quality of reproduction. In addition, the proof copy was examined by the following sections:

Staff Geographer - Geographic Names;
Coastal Surveys - Horizontal and vertical control;
Coastal Mapping - Map details.

62. Cartographic Comparisons

Comparison was made with USGS quadrangle, St. Lucie Inlet, scale 1:24,000, dated 1948, photorevised 1970.

Coastal Zone Map TP-00159 shows an island at approximate latitude 27°10.2' and longitude 80°11.5'. The island is not shown on the quadrangle.

Comparison was made with Nautical Chart 11472(formerly 845-SC) 13th edition, scale 1:40,000, dated August 31, 1974.

The comparison showed numerous differences in the positions of piers and pier ruins in the interior waters of the Indian River and St. Lucie River. Also, there are differences in the positions and additional numbers of piling shown on TP-00159. The culture features shown on the Published Map and Registration Copy were compiled from 1970 photography and were verified by the field edit of February 1973.

The field editor made no mention of these differences.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00159 complies with the instructions for NOS Cooperative Coastal Boundary Mapping, Job PH-7000, and with the National Standards of Map Accuracy.

Submitted by,

Donald M. Brant

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

11 April 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-6910 (Florida)

TP-00159

Atlantic Ocean
Baker Point
Bessie Cove
Florida East Coast (RR)
Hell Gate
Hell Gate Point
Hoggs Cove
Hooker Cove
Hutchinson Island
Indian River
Jensen Beach
Joes Cove
Joes Point
Krueger Creek
Negro Cove
North Point
Ocean Breeze Park
OK Woods Point
Pisgah Hill
Port Sewall
Races Point
Rio
Seminole Shores
Sewalls Point (locality)
Sewall Point
Snug Harbor
Steele Point
St. Lucie Inlet
St. Lucie River
Warner Creek
Willoughby Creek
Witham Field

Approved by

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2

NOAA FORM 76-40
(2-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 64.

U.S. DEPARTMENT OF COMMERCE–NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☐ COMPILATION
- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/27/75

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH-6910

STATE: FLORIDA

SURVEY NUMBER: T - TP-00159

DATUM: N.A. 1927

POSITION

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M.METERS	LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	EAU GALLIE-ST. LUCIE INLET INDIAN RIVER(SOUTH SECTION)								
DYBN 220		27 14	47.74 1469.5	80 12	58.63 1613.0			P.4 10/18/72	845-SC 855-SC
DYBN 221		27 14	28.75 885.0	80 12	43.40 1194.0			P.4 10/18/72	"
DYBN 222		27 14	05.42 167.0	80 12	35.42 919.5			P.4 10/18/72	"
LT 223		27 13	47.79 1471.0	80 12	19.59 639.0			P.4 10/18/72	"
	LANGFORD TERRACE MARINA PRIVATE AIDS								
DYBN 1		27 13	29.87 919.3	80 12	15.08 415.0			P.4 10/18/72	"
DYBN 2		27 13	31.13 958.1	80 12	15.63 430.0			P.4 10/18/72	"
DYBN 3		27 13	26.73 822.6	80 12	22.60 621.8			P.4 10/18/72	"
DYBN 4		27 13	27.88 858.0	80 12	23.40 644.0			P.4 10/18/72	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R.R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	Robert Wagner	FIELD EDITOR
	H.S. Jones	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE	TYPE OF ENTRIES
COMPILATION	Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.
FIELD INSPECTION AND FIELD EDIT	1. New Position Determined–Enter the applicable data by symbols as indicated below:

F – Field	P – Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered – Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified – Enter 'Verif. mo/day/yr.'

* U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG.#6

NOAA FORM 76-40
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NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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- ☐ FIELD EDIT
- ☐ COMPILATION
- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

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ORIGINATING LOCATION: Rockville, Maryland

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JOB NUMBER: PH-6910

STATE: Florida

SURVEY NUMBER: T - TP-00159

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	LANGFORD TERRACE MARINA PRIVATE AIDS								
DYBN 5		27 13	24.63 758.0	80 12	27.78 764.5			P.4 10/18/72	845-SC 855-SC
DYBN 6		27 13	25.67 790.2	80 12	31.80 786.0			P.4 10/18/72	"
DYBN 7		27 13	22.94 706.0	80 12	31.80 875.0			P.4 10/18/72	"
DYBN 8		27 13	23.95 737.2	80 12	32.71 900.0			P.4 10/18/72	"
DYBN 9		27 13	20.92 644.0	80 12	36.38 1001.0			P.4 10/18/72	"
DYBN 10		27 13	22.58 695.0	80 12	35.72 983.0			P.4 10/18/72	"
DYBN 224	EAU GALLIE-ST. LUCIE INLET INDIAN RIVER(SOUTH SECTION)	27 13	26.64 820.0	80 12	09.48 261.0			P.4 10/18/72	"
DYBN 225	" "	27 13	7.24 223.0	80 11	55.93 1539.0			P.4 10/18/72	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R.R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R. R. Wagner	FIELD EDITOR
	H.S. Jones	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

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F – Field	P – Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P .2
a. Theodolite		
b. Planetable		
c. Sextant		

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3. Position Verified – Enter 'Verif. mo/day/yr.'

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ORIGINATING LOCATION: Rockville, Maryland

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SURVEY NUMBER: T - TP-00159
DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
DYBN 226	EAU GALLIE-ST. LUCIE INLET INDIAN RIVER (SOUTH SECTION)	27 12	44.80 1379.0	80 11	46.56 1281.2			P.4 10/18/72	845-SC 855-SC
DYBN 228	" " "	27 12	1.95 060.0	80 11	19.71 542.5			P.4 10/19/72	"
LT 229	" " "	27 11	57.90 1782.0	80 11	14.90 410.0			P.4 10/19/72	"
DYBN 230	" " "	27 11	53.51 1647.0	80 11	16.28 448.0			P.4 10/19/72	"
LT 231	" " "	27 11	25.86 796.0	80 11	6.17 170.00			P.4 11/21/72	"
DYBN 232	" " "	27 11	24.93 767.5	80 11	8.50 234.0			P.4 11/21/72	"
LT 233	" " "	27 10	59.41 1820.5	80 11	3.27 90.0			P.4 11/21/72	"
DYBN 234	" " "	27 10	59.72 1838.0	80 11	5.85 161.0			P.4 11/30/72	"
DYBN 235	" " "	27 10	37.56 1156.0	80 11	4.47 123.0			P/1 2/14/72 70L5877	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R. R. Wagner	☐ FIELD INSPECTOR ☑ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R.R. Wagner	FIELD EDITOR
	H.S. Jones	COMPILER
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2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

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3. Position Verified – Enter 'Verif. mo/day/yr.'

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(See reverse for responsible personnel)

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ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/27/75

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH-6910

STATE: FLORIDA

SURVEY NUMBER: T - TP-00159

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
LIGHT	ST. LUCIE CROSSOVER NORTH RANGE FRONT	27 10	35.95 1106.0	80 11	7.26 200.0			P.1 2/14/70 70E5872	845-SC 855-SC
LIGHT	ST. LUCIE CROSSOVER NORTH RANGE REAR	27 10	41.94 1291.0	80 11	10.28 285.0			P.1 2/14/70 70E5872	"
DYBN 10	OKEECHOBEE WATERWAY	27 10	5.86 180.5	80 11	39.15 1078.0			P.4 11/30/72	"
LIGHT 11	" "	27 10	6.01 185.0	80 11	41.61 1145.5			P.4 11/30/72	"
DYBN 12	" "	27 10	14.33 441.0	80 11	43.73 1204.0			P.4 11/30/72	"
LIGHT 13	" "	27 10	15.77 485.5	80 11	47.18 1299.0			P.4 11/30/72	"
LIGHT 13A	" "	27 10	28.56 879.0	80 11	51.56 1419.5			P.4 11/30/72	"
LIGHT 14	" "	27 10	33.61 1034.5	80 11	47.58 1310.0			P.4 11/30/72	"
LIGHT 15	" "	27 10	47.18 1452.0	80 11	46.17 1271.0			P.4 11/30/72	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R. R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R.R. Wagner	FIELD EDITOR
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F – Field	P – Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

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b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered – Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified – Enter 'Verif. mo/day/yr.'

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NOAA FORM 76-40
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U.S. DEPARTMENT OF COMMERCE–NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☐ COMPILATION
- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/27/75

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH-6910

STATE: FLORIDA

SURVEY NUMBER: T - TP-00159

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
LIGHT 19	OKEECHOBEE WATERWAY	27 11	17.38 535.0	80 12	11.99 330.0			P.4 11/30/72	845-SC 855-SC
DYBN 21X	" "	27 12	14.00 431.0	80 12	49.09 1351.0			P.4 11/30/72	"
LIGHT 21	" "	27 12	48.51 1493.0	80 12	54.97 1513.0			P.4 12/4/72	"
DYBN 23X	" "	27 12	25.34 780.0	80 13	04.21 116.0			P.4 12/4/72	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R.R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R.R. Wagner	FIELD EDITOR
	H.S. Jones	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

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1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

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b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

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3. Position Verified – Enter 'Verif. mo/day/yr.'

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~~NONFLOATING~~ AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
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- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/27/75

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STATE: FLORIDA
SURVEY NUMBER: T - TP-00159
DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M. METERS	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P. METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
AERO BEACON	ROTATING LIGHT Ht=57(73) (Light can be seen offshore)	27 10	37.82 1164.0	80 13	38.80 1068.0			P.1 70E5855 1/30/73	1247
WOOD TOWER	Wooden Tower Ht= 40(50)	27 11′	57.78 1778.0	80 09	56.98 1568.2			P.1 70L8843R 11/14/72	1247 845-SC
TANK	Tank top of steel tower Ht= 77	27 10	58.19 1791.0	80 09	38.27 1053.5			P.1 70E5872 11/14/72	1247 845-SC

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R. R. Wagner	☐ FIELD INSPECTOR XX FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R. R. Wagner	FIELD EDITOR
	H. S. Jones	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ REVIEWER [X] QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE	TYPE OF ENTRIES
COMPILATION	Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.
FIELD INSPECTION AND FIELD EDIT	1. New Position Determined–Enter the applicable data by symbols as indicated below:

F – Field	P – Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered – Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified – Enter 'Verif. mo/day/yr.'

* U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG.#6

TP-00159
National Archives Data

1 Field edit sheet

1 Discrepancy Print

6 Forms 76-40

1 NOAA Form 76-52 (Observation of Horizontal Direction)

1 copy tide data for TP-00159

Photography:

70E(C)5872 and 5874
70L8842R, 8843R, and 8845R
70L7005R and 7102R
70L8825R and 8827R
70L6352R