Original

TP-00152

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-00152..

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

Field Edited Map

LOCALITY

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

General Locality ...Indian River County.....

Locality ...Wabasso to Gifford Cut.....

.....

19 70 TO 1971

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

TP-00152

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. 00152

MAP EDITION NO. 1

MAP CLASS Final

JOB PH- 6910

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander, 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, 6/19/73 OFFICE-Supplement 1, 8/19/73 NOTE: Office and Field Edit Instr. (1973) incorporate applicable, prior operational instructions.	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: Florida; ZONE: East Zone

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION — BY	I.I. Saperstein	4/71
METHOD: Analytic — LANDMARKS AND AIDS BY	"Inapplicable"	
2. CONTROL AND BRIDGE POINTS — PLOTTED BY	P.J. Dempsey	4/71
METHOD: Coradomat — CHECKED BY	inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION — PLANIMETRY BY	J.C. Richter	6/71
CHECKED BY	J.P. Battley	6/71
INSTRUMENT: Wild B-8 — CONTOURS BY	Inapplicable	
SCALE: 1:10,000 — CHECKED BY		
4. MANUSCRIPT DELINEATION — PLANIMETRY BY	J.C. Richter	8/71
Shoreline: Graphic — CHECKED BY	J.P. Battley	8/71
CONTOURS BY	Inapplicable	
METHOD: Interior: Orthophoto mosaic — CHECKED BY		
~~RECORD SURVEY DATA~~ BY	J. Taylor	
SCALE: 1:10,000 — CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT — BY	J.P. Battley, Jr.	7/71
6. APPLICATION OF FIELD EDIT DATA — BY	J.C. Richter	2/72
CHECKED BY	J.P. Battley, Jr.	3/72
7. COMPILATION SECTION REVIEW — BY	J.P. Battley, Jr.	7/72
8. FINAL REVIEW — BY	S.G. Blankenbaker	8/73
9. ~~DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH~~ Edit — BY	S.G. Blankenbaker	10/73
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH — BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION — BY	K.J. Kalka	2-12-74

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

TP-00152

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8
S&L 6" focal lenght

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 60th & 75th ☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
70E(C)5776 - 5778	2/10/70	13:36	1:40,000	The stage of tide is inapplicable for color photography.
70L6384R-6389R	8/12/70	10:52	1:25,000	*-0.26MLW**-0.10MLW
70L6900R - 6902R	8/14/70	17:39	1:25,000	*-0.23MHW
70L6904R - 6909R	8/14/70	17:45	1:25,000	**+0.16MHW

REMARKS *Sebastian, Indian River Tide Station
** Vero Beach Tide Station

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high-water line is the tide coordinated black and white infrared photography(MHW) listed under item 1, above. The line was field edited in Nov. 1971. Along the Atlantic Coast, foreshore profiles verified the line which was determined by office interpretation of the infrared photography.

Only one manmade change, which resulted from dredging and the construction of a bulkhead (located near the head of Johns Island Creek) was updated to the time of edit. Refer to field photo 70L6385R.

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

The source of the mean low-water line along the Atlantic Coast is the infrared photography listed under item 1 above. The line was field edited in November 1971. Foreshore profiles verified the line, which was determined by office interpretation of the photography.
No mean low-water lines were mapped in the Indian River. Recommendations for the application of "shallow" and "shoal" areas (shown only on the Registration map copy) to nautical charts are made in the Final Review Report, heading 68.

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-00151	No contemporary survey	TP-00155	No contemporary survey

REMARKS
Final junctions checked in compilation activity.

NOAA FORM 76-36B
(3-72)

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

ESSA FORM 76-36c
(2-70)

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

TP-00152

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION See SOURCE DATA (item I) below JB [X] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		W. H. Shearouse	Nov. 1971
2. HORIZONTAL CONTROL	RECOVERED BY	W. H. Shearouse	Nov. 1971
	ESTABLISHED BY	N. A.	
	PRE-MARKED OR IDENTIFIED BY	N. A.	
3. VERTICAL CONTROL	RECOVERED BY	W. H. Shearouse	Sept 1971
	ESTABLISHED BY	N. A.	
	~~PRE-MARKED OR~~ IDENTIFIED BY	W. H. Shearouse	Sept 1971
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	W. H. Shearouse	Nov. 1971
	IDENTIFIED BY	W. H. Shearouse	Nov. 1971
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [X] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY	W. H. Shearouse	Nov. 1971
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W. H. Shearouse	Nov. 1971
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
No stations identified for this map - Refer to Field Inspection Report JB	

PHOTO NUMBER	STATION DESIGNATION
70E5776	PROJECT AZI. MK, EGGS 2, Q 33, H 200, G 307
70E5777	S 200, T 200, Q 306, R 306
70E5778	P 33, R 200, N 306, P 306 CLARKSON 2,

3. PHOTO NUMBERS (*Clarification of details*)

70E5776, 5777, 5778 (color) 70L6385 (infrared) JB

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Positions for aids to navigation obtained by sextant fix

PHOTO NUMBER	OBJECT NAME
70E5776	TANK

PHOTO NUMBER	OBJECT NAME

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

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

Sketchbook, Vol. 11

USCOMM-DC 46200-P70

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No map copies furnished to Marine Chart Division 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
	1158	9/1/73	Final - only one report submitted for map.

2. ☑ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 9/1/73
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
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
			☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
THIRD EDITION	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
			☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
FOURTH EDITION	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
			☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

* U.S. G.P.O. 1972-769380/548 REG.#6

Record of Decisions
Pertaining to Symbolization of the MHW and MLW Datums
Map TP-00152

Shoreline Delineation

The mean low-water and mean high-water tidal datums along the outer coast (Atlantic Ocean) were determined from tide observations at Vero Beach Tide Station (shown on this map). The interior waters shown on this map are a portion of Indian River and adjacent tributaries such as Johns Island Creek, Stingray Creek, Mc Cullers Cove and a number of other small coves. The tidal datum for these waters was established by observations at Wabasso Tide Station (north of this map) and Vero Beach Indian River Tide Station (south of this map).

For these interior waters, the mean high-water line was shown. The mean low-water line was not shown because it does not have a boundary application. Because of the small range of tide, the portrayal of shallow areas has a greater application to charting than does the mean low-water line, and a vault copy of the manuscript shows those features.

* Decision Responsibility for Shoreline Symbolization

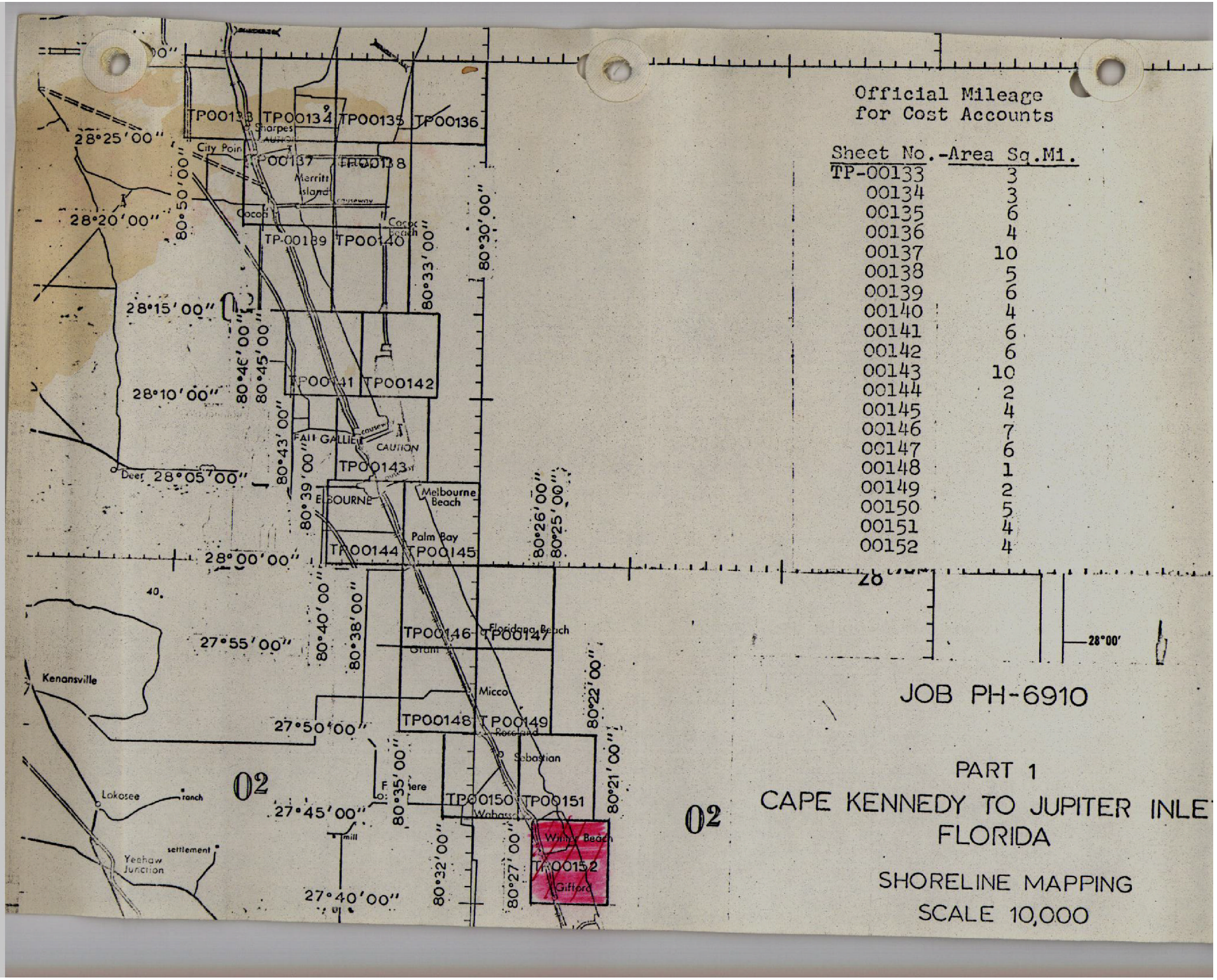
Specific decisions as to the symbolization required for mapping the mean high-water line, apparent shoreline and solid lines for along-shore manmade features were made July 19, 1973, in Rockville, Maryland, by competent technical officials of National Ocean Survey. Cdr. Wesley V. Hull, Chief, Coastal Mapping Division, provided the technical field survey and cartographic expertise, and Mr. Carroll I. Thurlow, Chief, Tidal Datum Planes Section of the Oceanographic Division, rendered decisions on tidal datum matters.

They also examined photographs and field edit records with respect to inland penetration of small streams and drainages and concluded that those features were properly delineated and symbolized on the map.

Archiving

A copy of this report shall be included in Descriptive Report TP-00152 which will be permanently filed in the NOS Archives.

* See Review Report for clarification of date.



Official Mileage
for Cost Accounts

Sheet No.-	Area Sq.Mi.
TP-00133	3
00134	3
00135	6
00136	4
00137	10
00138	5
00139	6
00140	4
00141	6
00142	6
00143	10
00144	2
00145	4
00146	7
00147	6
00148	1
00149	2
00150	5
00151	4
00152	4

JOB PH-6910

PART 1

CAPE KENNEDY TO JUPITER INLET FLORIDA

SHORELINE MAPPING

SCALE 10,000

SUMMARY
TP-00133 thru TP-00152

Coastal Zone Map TP-00152 is one of twenty (20) similar maps in project PH-6910, Part I. 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 1969 and 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 orthophoto 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 threee 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	RICMAR 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	SEWALL	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 1)
Job PH-6910
April, 1971

21. Area Covered

This report covers the area south from Cape Kennedy to an area about eight miles north of Fort Pierce Inlet. The job consists of twenty one (21) 1:10,000 scale sheets, TP-00133 thru TP-00153.

22. Method

Six (6) strips of photographs were bridged using analytical aerotriangulation methods. Strip 23 proved inadequate for bridging. Strip 23A, therefore, was flown at a later date farther west in order to include more land area to strengthen the photogrammetry. A cross flight, 24, was also flown at this time to include the cape area. Ties were made between strips. Points were located to rectify the photographs for mosaics. In addition, points were located to ratio high and low water photography. The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustment. Closures to control have been shown on the readouts. All bridge points have been plotted on the Coradimat on Florida East Zone plane coordinates.

23. Adequacy of Control

Horizontal control that fell on strips 21A, 22, 25, and 26 was premarked. Strips 23A and 24 were flown at a later date, and all control that fell on these two strips were transferred from the earlier pre-marked photography. It is noted that stations SCORPOIN 2, 1961 and RIOMAR 2, 1960 (terminal for Strip 26) do not appear on the attached sketch, as these stations are on or south of TP-00153. The control was adequate for bridging all strips.

25. Photography

All photography the subject of this report is 1:40,000 scale color as follows:

Strip 21A -- 69-E(C)-4247 thru 4261
Strip 22 -- 69-E(C)-4185 thru 4194

Strip 23A -- 70-L(C)-9991A thru 004A
Strip 24 -- 70-L(C)-007A thru 015A
Strip 25 -- 70-E(C)-5760 thru 5768
Strip 26 --- 70-E(C)-5772 thru 5794

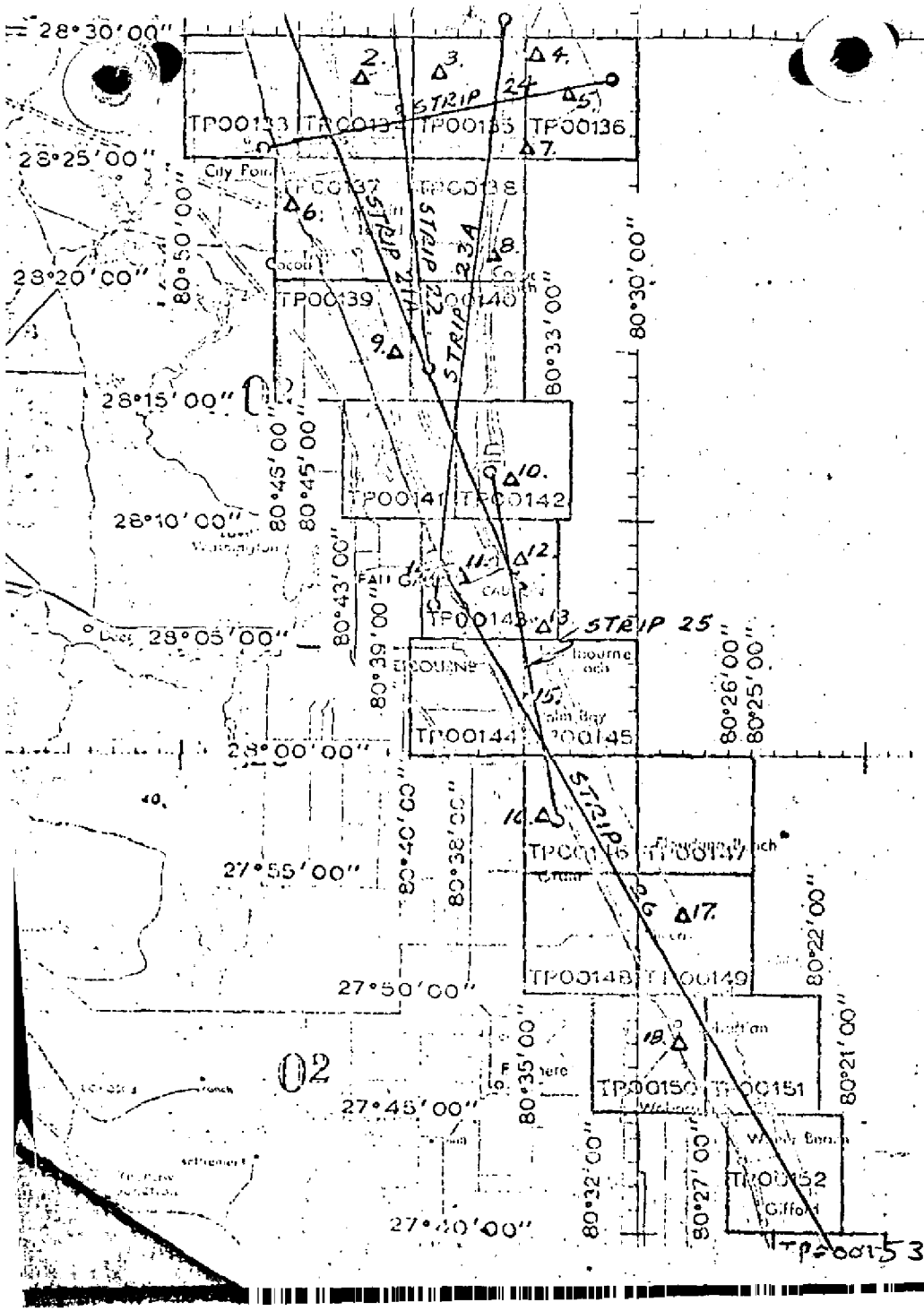
The definition and quality of the photography were good.

Respectfully submitted:

I. I. Saperstein

Approved and forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section



Control

1. Moore RM 2,1962
2. Courtenay,1955
3. Paxton,1950
4. Central,1950
5. Cape Canaveral L.H. Center,1934
6. Cocoa City 2,1957
7. Artesia,1955
8. Pose,1966
9. Munson,1940
10. Tripod 3,1962
11. College 2,1906
12. Canova Beach Melbourne Munic.W.T.1950
13. Indialantic Melbourne E.Munic.W.T.1950
14. Eau Gallie Munic.W.T.Center,1934
15. Turkey Creek,1934
16. Slip 2,1934
17. Sebastian 2,1934

△ Horizontal control used in adjustment
△ Horizontal control used as check
• 1:40,000 scale color photography

JOB PH-6910

NOTE: NO △ STA. ON TP-00153 USED IN PART 1 BRIDGE

02

CAPE KENNEDY TO JUPITER INLET FLORIDA

SHORELINE MAPPING

SCALE 40000

FLORIDA– NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP–00152

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
NARROWS 1881	Book 420, pp. 10, 11, 23, G.P.-Fla. Vol. 1, p. 148, P.C. Fla. E. zone, p. 160
RUTH 1930	Book 420, pp. 11, 24, G.P.-Fla. Vol. 1, p. 712, P.C. Fla. E. zone, p. 160
EGGS-2 1960	Write the Director, National Geodetic Survey for information.
CLARKSON 2 1960	" "

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
Q 306	12.697	C&GS disk stamped Q 306 1970; 43 ft. E of centerline of highway, 4 ft. S of a power line brace pole, 2 ft. N of witness post.
R 306	10.125	C&GS disk stamped R 306 1970; 55 ft. E of centerline of highway, 11 ft. E of power line pole with a guy wire, 2 ft N of a witness post.
G 307	8.474	C&GS disk stamped G 307 1970; 49 ft. W of centerline of highway, 1 ft. N of E of two concrete right-of-way markers.
CLARKSON 2	15.433	C&GS disk stamped CLARKSON 2 1961; 175 ft. S of extended centerline of pier for Ocean Pier Hotel, 29 ft. W of centerline of narrow sand road.
CLARKSON AZI	17.484	C&GS AZI disk stamped CLARKSON AZI 1934 RESET 1955; set flush in concrete post, between old shell road and beach, at SE corner of lawn of Shores Colony Motel, 24 ft. E of centerline of old road, 24.5 ft. S of S concrete block wall around motel, 2 ft. above road level.
CLARKSON 2 RM 6	15.751	C&GS disk stamped CLARKSON 2 RM 6; 1961; set flush in concrete post, 300 ft. E of highway A1A, 157 ft. S of SW corner of residence, 1.2 ft. W of witness post.
CLARKSON RM 5	15.620	C&GS disk stamped CLARKSON RM 5 1934; set flush in concrete post, flush with ground, 225 ft. E of highway A1A, 160 ft. W of SW corner of residence, 153 ft. S of motel driveway, 1.1 ft. S of witness post.

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
P 33	13.832	C&GS disk stamped P 33 1933 13.757; 56 ft NE of and across track from milepost 221, 50 ft. W of centerline of highway.
Q 33	14.820	C&GS disk stamped Q 33 1933 14.747; 0.1 mile S of milepost 224, 34 ft. E of E rail, 47 ft. W of centerline of highway, 20 ft. N of centerline of road
EGGS 2	13.835	C&GS disk stamped EGGS 2 1960; 45 ft. W of SW corner of bldg. 02099, 51.4 ft. SE of SE corner of bldg. 0Q11A.
PROJECT AZI	21.785	C&GS disk stamped PROJECT 1956; 66 ft. NW of center of intersection of 35th St., 63.5 ft. W of centerline of 35th St., 9.5 ft. NW of a power pole.
H 200	15.692	C&GS disk stamped H 200 1960; 211 ft. NE of and across track from milepost 225, 62 ft. W of centerline of highway.
S 200	17.257	C&GS disk stamped S 200 1960; 62.5 ft. NW of milepost 222, 30 ft. W of W rail, 2 ft. N of a metal witness post.
T 200	18.770	C&GS disk stamped T 200 1960; 35 ft NE of center of the crossing of E track and a dirt road, 60.5 ft. W of centerline of S5A.
N 306	12.602	C&GS disk stamped N 306 1970; 50 ft. E of centerline of highway, 19 ft. N of 10-in. palm, 1.4 ft. N of metal witness post.
P 306	10.764	C&GS disk stamped P 306 1970; approx. 78 yds. S of "INDIAN RIVER SHORES" sign, 50 ft. W of centerline of highway, 3 ft. N of a 2 ft. high concrete right-of-way marker.

31. Delineation

The mean high water and apparent shorelines and features located seaward from the lines were compiled by graphic methods from office interpreted, tide-coordinated infrared photography. Color bridging photography was used as an aid in interpreting manmade shoreline and alongshore features and to compile the limits of shallow and shoal areas for use in nautical charting.

Control for graphic compilation consisted of planimetric features and map points compiled from Wild B-8 models of the color bridging photography.

Interior features are shown by an orthophoto mosaic constructed with rectified black and white prints of the color bridging photography.

32. Horizontal Control

Refer to the photogrammetric plot report bound with this Descriptive Report.

33. Supplemental Data

None.

34. Contours and Drainage

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

35. Shoreline and Alongshore Details

The photography was generally adequate for the interpretation of the map details. Foreshore profiles are recommended to verify the mean high and mean low-water lines along the ocean beach because of the presence of extensive surf at the time of photography.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids to Navigation

Some of the charted lights were identified and located during compilation (refer to preliminary Forms 76-40 prepared for

field edit use). The remainder of the aids and any landmarks require field identification or location.

38. Control for Future Surveys

Tidal bench marks established by tide observation party.

39. Junctions

Refer to Form 76-36b (page 2 of the Descriptive Report).

40. Horizontal Accuracy

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

41 thru 45.

Inapplicable.

46. Comparison with Existing Maps

USGS Quad Vero Beach, 1:24,000, 1949
USGS Quad Riomar, 1:24,000, 1950
No significant differences were noted.

47. Comparison with Nautical Charts

845-SC, 10th Edition, August 7, 1971
No significant differences were noted.

Items to be Applied to Nautical Charts Immediately: None

Items to be Carried Forward: None.

Submitted:
John C. Richter by SB
John C. Richter

Approved and Forwarded:
K. N. Maki by SB
K. N. Maki

Field Edit Report, Map TP-00152, Job PH-6910

51. METHODS

Shoreline of the Atlantic Ocean was verified visually from roads leading to the shore or by walking the beach where necessary, at the proper stages of tide. No discrepancies or inadequacies were found. Shoreline of the Indian River and adjoining creeks and coves was verified visually from a small boat while cruising just offshore. Notes regarding apparent and "fast" shoreline, piers and other shoreline structures were made on the rectified photographs.

One landmark for charts is recommended. Form 76-40 is submitted.

Form 76-40 is also submitted for nonfloating aids. Sextant fixes were obtained at each daybeacon and plotted on the Field Edit Sheet.

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

Bench marks were searched for and reported on Form 685A. A number sufficient to satisfy the one a mile requirement were identified on the rectified photographs.

State and Federal highway numbers were obtained during the course of travel and are shown on the rectified photographs.

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

56. GEOGRAPHIC NAMES

A complete names investigation was not required. No conflict of charted names was noted during field operations.

One new name is recommended. It is for the incorporated city of INDIAN RIVER SHORES. It has been entered on the Field Edit Sheet about the center of the area covered.

Submitted 11/24/71

William H. Shearouse

William H. Shearouse

Beach profiles accomplished along the Atlantic Ocean, 12/13/71. 1 Plane-table sheet was submitted. WHS

Review Report
Coastal Zone Map TP-00152
August 1973

61. General

The map manuscript was reviewed in the Class I (field edit applied) stage. The review consisted of an examination of the manuscript, reproduction negatives (scribe coat, type overlay, peel coat), field data, and the Descriptive Report. Compilation procedures such as the plotting of control and sextant fix angles for foreshore profiles and aids to navigation were not re-checked. As discussed in the Compilation Report, foreshore profiles along the Atlantic Ocean shore were requested. As indicated in the Data Record, the profiles accomplished by the field editor verified the compiled MHW and MLW lines. These lines were not rechecked during this final review.

The procedures for the application of review information to the map and the edit of the proof are discussed under heading 67.

The tidal data entered in the Data Record were furnished by the Coastal Surveys Section. As noted by the compiler in the Data Record, no mean low-water lines were mapped in the Indian River. This is discussed under heading 68, below.

The shoreline on this map was symbolized in accordance with ongoing decisions set forth by officials of the National Ocean Survey. These decisions, however, were formalized and documented at the later date reflected in the Record of Decisions.

62. thru 65. Cartographic Comparison

The manuscript was compared with the following:

USGS Quad Vero Beach, 1:24,000 scale, 1949
USGS Quad Riomar, 1:24,000 scale, 1950
Small Craft Chart 834-11th edition, July 15, 1972

No significant differences were noted.

66. Adequacy of Results and Future Surveys

This map complies with the instructions for NOS Cooperative Mapping, and with the National Map Accuracy Standards.

67. Application of Review Information and Office Edit

Changes and additions in map information resulting from final review were accounted by the following methods, as applicable.

(1) Applied to the manuscript and indicated by a note on an ozalid manuscript copy for application to the various reproduction negatives, as required.

(2) Accounted for on an ozalid manuscript copy for application to the manuscript and the various reproduction negatives, as required.

The reproduction negatives were not re-examined prior to processing the map proof. The descriptions of horizontal and vertical control stations should be compared with mosaic details during the edit of the proof.

68. Registration Map Copy

The mean low-water line was not mapped in the Indian River. In addition to foreshore areas, there are numerous shallow and shoal areas which appear (on the infrared photography) to be covered very little at near mean-low water. These features equal foreshore areas in importance for charts.

In the absence of contemporary sounding data, a green tint shown without a limit line is used to portray these features on charts. This method cannot be used, however, where the features border on foreshore areas. On this map copy, foreshore areas and the subject shallow and shoal areas will be shown as "shallow" with the note "tint" included to indicate areas recommended for charting with a green tint. The Registration map copy had not been processed at the time of this review.

Submitted by,

S.G. Blankenbaker

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

Feb. 9, 1973

GEOGRAPHIC NAMES

FINAL NAMES SHEET

Ph-6910 N (Florida)

TP-00152

Atlantic Ocean
Barker Island
Bee Gum Point
Chambers Cove
Cleve Hinton Creek
Copelands Landing
Florida East Coast RR
Gifford
Gifford Cut
Gifford Island
Gifford Point
Hole in the Wall Island
Indian River Narrows
Intracoastal Waterway
Jandrew Cove
Johns Island
Johns Island Creek
McCullers Cove
North Sister Island
Oyster Cut
Pine Island
Pople Point
Sand Point
South Sister Island
Stingray Creek
Stingray Point
Wabasso
Winter Beach

Approved by:
A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:
C. E. Harrington
C. E. Harrington
Cartographer

NOAA FORM 76-40 (2-72)
PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

[X] TO BE CHARTED
[ ] TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 9/1/73

ORIGINATING ACTIVITY:
[ ] FIELD
[ ] FIELD EDIT
[ ] COMPILATION
[ ] FINAL FIELD
[X] QUAL. ...

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- 00152
DATUM: NA 1927

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ / METERS	LONGITUDE ° ′	LONGITUDE ″ / METERS	FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	Intracoastal Waterway EAU GALLIE-ST LUCIE INLET Indian River(South Section)								845 SC
LIGHT	Light 92	27 44	53.3 58 / 1642.0	80 24	10.9 / 298.0		70E5778 2/10/70	Verified 11/11/71	"
DAY-BEACON	Daybeacon 93	27 44	49.9 / 1537.0	80 24	07.3 / 200.0			P.4 11/11/71	"
DAY-BEACON	Daybeacon 94	27 44	44.4 / 1367.0	80 24	08.1 / 221.0			P.4 11/11/71	"
DAY-BEACON	Daybeacon 95	27 44	36.1 / 1111.0	80 23	59.8 / 1638.0			P.4 11/11/71	"
LIGHT	Light 96	27 44	35.2 / 1085.0	80 24	02.1 / 58.0		70E5778 2/10/70	P.4 11/11/71	"
DAY-BEACON	Daybeacon 98	27 44	26.1 / 803.0	80 23	54.5 / 1493.0			P.4 11/11/71	"
LIGHT	Light 99	27 44	24.4 / 752.0	80 23	50.0 / 1369.0		70E5778 2/10/70	P.4 11/11/71	"
DAY-BEACON	Daybeacon 100	27 44	20.2 / 622.0	80 23	50.7 / 1389.0			P.4 11/11/71	"
DAY-BEACON	Daybeacon 102	27 44	07.2 / 221.0	80 23	44.8 / 1228.0			P.4 11/11/71	"

RESPONSIBLE PE[illegible]EL

TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward		☐ FIELD INSPECTOR ☐ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	J. Richter	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	S.G. Blankenbaker - Form typed and submitted to Marine Chart Division	☐ 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 – Ent[illegible] Triang. Rec. mo/day/yr.'

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

NOAA FORM 76-40
2-73
NOS BUREAU
PHOTOGRAMMETRY INSTRUCTION NO. 64

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

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATOR OF SURVEY
[ ] FIELD PARTY
[ ] FIELD OFFICE
[ ] SCHOOL SHIP
[ ] FINAL REVIEW
[X] QUALITY CONTROL SUPERVISOR
(See reverse of this form for applicable purposes)

[X] TO BE QUERIED
[ ] TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 9/1/73

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

FOR PUBLICATION: PH- 6910

STATE: Florida

SURVEY NUMBER: T - TP-00152

DATUM: NA 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ (SUMMETELS)	POSITION LONGITUDE ° ′	LONGITUDE ″ (SUMMETELS)	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
			49.3		35.7		70E5777	Verified	845-SC
LIGHT	Light 115	27 42	1517.0	80 23	978.0		2/10/70	11/9/71	
DAY-BEACON	Daybeacon 116 (CORRECTED SB)	27 42	44.7 1375.0	80 23	37.5 1027.0			P.4 11/9/71	"
DAY-BEACON	Daybeacon 117	27 42	20.1 620.0	80 23	31.0 850.0			P.4 11/9/71	"
LIGHT	Light 118	27 42	19.5 601.0	80 23	33.9 930.6		70E5777 2/10/70	Verified 11/9/71	"
DAY-BEACON	Daybeacon 120	27 42	03.6 110.9	80 23	28.2 772.0			P.4 11/9/71	"
LIGHT	Light 121	27 41	46.6 1434.0	80 23	19.6 537.0		70E5776 2/10/70	Verified 11/9/71	"
DAY-BEACON	Daybeacon 122	27 41	45.5 1402.0	80 23	22.0 603.0			P.4 11/9/71	"
DAY-BEACON	Daybeacon 123	27 41	30.6 942.0	80 23	16.0 433.0			P.4 11/9/71	"
LIGHT	Light 124	27 41	30.2 931.0	80 23	18.2 500.0		70E5776 2/10/70	Verified 11/9/71	"
DAY-BEACON	Daybeacon 125	27 41	00.2 06.0	80 23	05.0 136.0			P.4 11/9/71	"

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
bjects inspected from seaward		☐ FIELD INSPECTOR ☐ FIELD EDITOR
ositions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	J. Richter	COMPILER
orms originated by Quality Control and eview Group and final review activities	S. Blankenbaker-Form typed and submitted to Marine Chart Division	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

E: '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.

UMN TITLE

PILATION

LD INSPECTION AND LD EDIT

TYPE OF ENTRIES

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

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.'

A FORM 76-40 (2-71)

DOAA Form 76-40
(1-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 54.

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
- [x] QUALITY CONTROL AND REVIEW
(See reverse for responsible personnel)

[X] TO BE CHARTED
[ ] TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 9/1/73

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

JOB NUMBER: PR-6910

SURVEY NUMBER: T - TP-00152

STATE: Florida

DATUM: NA 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
DAY-BEACON	Daybeacon 126	27 40	53.9 1660.0	80 23	05.5 152.0			P.A 11/9/71	845-SC
LIGHT	Light 127 Correction SB	27 40	48.5 1492.0	80 23	00.7 20.0		70E5776 2/10/70	Verified 11/9/71	"
DAY-BEACON	Daybeacon 128	27 40	45.2 1391.0	80 23	02.4 66.0			P.A 11/9/71	"
DAY-BEACON	Daybeacon 129	27 40	26.8 825.0	80 22	57.3 1571.0			P.A 11/9/71	"
DAY-BEACON	Daybeacon 130	27 40	26.8 824.0	80 23	00.6 07.0			P.A 11/9/71	"
DAY-BEACON	Daybeacon 130A	27 40	17.8 547.0	80 22	58.8 1611.0			P.A 11/9/71	"
DAY-BEACON	Daybeacon 131	27 40	10.6 326.0	80 22	55.6 1523.0			P.A 11/9/71	"
LIGHT	Light 132	27 40	6.6 202.0	80 22	57.3 1570.0		70E5776 2/10/70	Verified 11/9/71	"
DAY-BEACON	Daybeacon 133	27 40	4.1 125.0	80 22	53.7 1473.0			P.A 11/9/71	"

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
bjects inspected from seaward		☐ FIELD INSPECTOR ☐ FIELD EDITOR
ositions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	J. Richter	COMPILER
orms originated by Quality Control and leview Group and final review activities	S.Blankenbaker-Form typed and submitted to Marine Chart Division	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

TE: '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.

LUMN TITLE

IPILATION

LD INSPECTION AND LD EDIT

TYPE OF ENTRIES

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

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.'

A FORM 76-40 (2-71)

NOAA Form 76-40
(7-72)
PREScribed by
Photogrammetry Instruction No. 64

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

CRITERIA (INDICATIVE)
- [ ] FIELD INSPECTION
- [ ] FIELD EDIT
- [ ] COMPILATION
- [ ] FINAL RESULTS
- [X] QUALITY CONTROL AND REVIEW

(See reverse for purpose this processed)

- [X] TO BE CHARTED
- [ ] TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 9/1/73

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-00152

DATUM: NA 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ (HUNDREDTHS)	POSITION LONGITUDE ° ′	LONGITUDE ″ (HUNDREDTHS)	METHOD AND DATE OF LOCATION (See instructions on reverse of this form.) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
TANK	Pedestal-type, aluminum ht=13'(138)	27 41	23.6 726.0	80 22	37.3 1023.0			P.1 11/9/71 photo 10#7776	1247 845-SC

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
Objects inspected from seaward	W.H. Shearouse	☐ FIELD INSPECTOR ☒ FIELD EDITOR
Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
		COMPILER
Forms originated by Quality Control and Review Group and final review activities	S. Blankenbaker-Form typed and submitted to Marine Chart Division	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

OTE: '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.

OLUMN TITLE

OMPILATION

ELD INSPECTION AND ELD EDIT

TYPE OF ENTRIES

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

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.'

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: 9/1/73

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

JOB NUMBER: PH-
STATE:
SURVEY NUMBER: T - TP- 00152
DATUM: NA 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
	Private Markers	27 44	9.03 278.0	80 25	1.64 45.0	Private aids that mark the Channel to Hobart Landing (Numbered concrete piles with steel plate pointers). Located by sextant fix. (Date of Field Edit Report, 11/24/71).			845-SC
		27 44	7.99 246.0	80 25	1.44 39.5				"
		27 44	8.67 273.0	80 24	54.04 1480.0				"
		27 44	7.98 245.5	80 24	53.78 1473.0				"
		27 44	8.74 269.0	80 24	44.80 1227.0				"
		27 44	7.76 239.0	80 24	45.53 1247.0				"
		27 44	3.51 108.0	80 24	41.71 1142.5				"
	(B)	27 44	2.59 78.0	80 24	42.06 1152.0				"
	(B)	27 44	58.28 1794.0	80 24	38.66 1059.0				"
	(B)	27 44	54.29 1671.0	80 24	36.49 999.5				"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward		☐ FIELD INSPECTOR ☐ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	P. Gibson -Checked by P. Dempsey	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	S.Blankenbaker - Typed and submitted to Marine Chart Division	☐ 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.'

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: 9/1/73

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

JOB NUMBER: PH-

SURVEY NUMBER: T - TP-00152

STATE:

DATUM: NA 1927

POSITION

METHOD AND DATE OF LOCATION *(See instructions on reverse of this form)*

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	Private Markers	27 43	51.74 1592.5	80 24	35.92 984.0	Private aids that mark the channel to Hobart Landing (Numbered concrete piles with steel plate pointers). Located by sextant fix. (Date of field edit report 11/24/71).			845-SC
		27 43	47.17 1452.0	80 24	30.50 835.5				"
		27 43	42.18 1298.5	80 24	22.62 619.5				"
		27 43	34.92 1075.0	80 24	12.41 340.0				"
		27 43	23.62 727.0	80 24	0.16 4.5				"
		27 43	24.69 760.0	80 23	57.39 1572.0	(B)			"
		27 43	24.02 739.5	80 23	55.42 1518.0	(B)			"
		27 43	27.50 846.5	80 23	49.38 1352.5	(B)			"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward		☐ FIELD INSPECTOR ☐ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	P.Gibson Checked by P. Dempsey	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	S. Blankenbaker-typed and submitted to Marine Chart Division	☐ 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.'

TP-00152
Federal Records Center Data

(1) Discrepancy Print

(2) Field Edit Sheet

(3) Graphic Sheet (foreshore profiles) TP-00151 & TP-00152

(4) Field Edit Photos:
70E5776; 70E5777; 70E5778 (color)
70L6385 (infrared)

(5) Original Forms 76-40 (compilation and field work sheets)

(6) Geographic Names Quads
Riomar, Florida, and Vero Beach, Florida

(7) Sketch Book (sextant fixes, aids to navigation)
TP-00149, TP-00151, TP-00152

NOTE: A "Green Jacket" which includes, (1) Bridge photographs, (2) computer readouts, (3) CSI cards, and (4) a duplicate copy of the Photogrammetric Plot Report will be filed in the Federal Records Center JB

(8) Beach profiles (planetable sheet)