

original

TP-00133

TP-00133

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-00133..
Classification No. Final	Edition No. ...1.....
Field Edited Map	
LOCALITY	
State .....Florida.....	
General Locality ...Brevard..County.....	
Locality ...Frontinac.....	
.....	
<hr/> 1969 TO 1971 <hr/>	
REGISTRY IN ARCHIVES	
DATE .....	

NOAA FORM 76-36a (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE  Rockville, Maryland		SURVEY TP. <u>00133</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u>  JOB <u>PH-6910</u>	
OFFICER-IN-CHARGE  Commander Wesley V. Hull		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED  JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>  General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, 6/19/73 OFFICE-Supplement I, 8/19/73 NOTE: Office and Field Edit Instr. (1973) incorporate applicable, prior operational instructions.		<b>2. FIELD</b>  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	
<b>II. DATUMS</b>			
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
<b>2. VERTICAL:</b> <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) Mean water level (See Record of Decisions, page 5 of this report)	
<b>3. MAP PROJECTION</b>  Transverse Mercator		<b>4. GRID(S)</b> STATE <u>Florida</u> ZONE <u>East Zone</u> STATE <u></u> ZONE <u></u>	
<b>5. SCALE</b> 1:10,000			
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
<b>1. AEROTRIANGULATION</b> METHOD: LANDMARKS AND AIDS BY		I.I. Saperstein Inapplicable	4/71 5/71
<b>2. CONTROL AND BRIDGE POINTS</b> METHOD: Coradomat		D. Phillips Inapplicable Inapplicable	5/71 5/71 5/71
<b>3. STEREOSCOPIC INSTRUMENT</b> COMPILATION INSTRUMENT: SCALE:		PL ANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY	Inapplicable Inapplicable Inapplicable Inapplicable
<b>4. MANUSCRIPT DELINEATION</b> Shoreline: Graphic METHOD: Interior: Orthophoto mosaic SCALE: 1:10,000		PL ANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY AEROPHOTOREPTURE DATA BY CHECKED BY	M.C. Webb J.C. Richter Inapplicable J. Taylor J.P. Battley, Jr. J.P. Battley, Jr. J.C. Richter J.P. Battley, Jr. R.A. Youngblood K.N. Maki D.M. Brant R.S. Latta
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b>		BY J.P. Battley, Jr.	6/71
<b>6. APPLICATION OF FIELD EDIT DATA</b>		BY J.C. Richter CHECKED BY J.P. Battley, Jr.	10/71 10/71
<b>7. COMPILATION SECTION REVIEW</b>		BY R.A. Youngblood	12/71
<b>8. FINAL REVIEW</b>		BY K.N. Maki	7/72
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b>		BY	1/74
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b>		BY D.M. Brant	1/74
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b>		BY R.S. Latta	8-12-74

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

TP-001333

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) E & L 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED <i>3FW</i>		ZONE Eastern MERIDIAN 60th & 75th	
				<input checked="" type="checkbox"/> STANDARD <input checked="" type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C)4249-4250-4251	12/11/69	12:35	1:40,000	Inapplicable	
69L3399R-3400R-3401R 3402R	8/23/69	10:52	1: <del>30</del> ,000	* -0.03 MWL	

## REMARKS

\* Titusville Indian River Tide Station

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean water-level line was mapped in lieu of the mean high-water line (refer to the Record of Decisions bound with this report). The source of the mean water-level line is the 1969 infrared photography listed under item 1. This map was field edited June 1971.

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

There is no mean low-water line shown on this map. The mean high-water and mean low-water datums converge and are indistinguishable for mapping purposes (refer to the Record of Decisions bound with this report).

## 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
<i>Inapplicable</i>					

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00112	TP-00134	TP-00137	- -

## REMARKS

Junctions were made in the Coastal Mapping Section.

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00133

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION \*☒ FIELD EDIT OPERATION

June 1971

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		W.H. Shearouse	6/71
2. HORIZONTAL CONTROL	RECOVERED BY	W.H. Shearouse	6/71
	ESTABLISHED BY	W.H. Shearouse	4/71
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	4/71
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	W.H. Shearouse	4/71
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	W.H. Shearouse	6/71
	LOCATED (Field Methods) BY	W.H. Shearouse	6/71
	IDENTIFIED BY	W.H. Shearouse	6/71
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	W.H. Shearouse	6/71
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W.H. Shearouse	6/71
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	See Field Inspection Report	70L6599 70L6598 70L6597	T228, U228 Y171, J229 Z169 Reset, V215 Sharpes, Williams
3. PHOTO NUMBERS (Clarification of details) 69E4249, 4250, 4251			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED Aids to navigation were located by sextant fix identified on photograph 69E4249 and plotted on Field Edit Sheet.			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69E4249	STACK		
69E4249	Stack(Frontinac, Florida Power & Light Co. Smokestack Center, 1966)		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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. 3 (covers maps TP-00133 and TP-00134) * Refer to Field Inspection Report bound with this report.			

NOAA FORM 76-36C  
(3-72)

\* U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## RECORD OF SURVEY USE

TP-00133

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No copies of this map furnished to Nautical 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
	7 74 B	1/14/74	One report was submitted for this map.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: January 14, 1974  
 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)

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

Record of Decisions  
Pertaining to Symbolization of the MWL Datum  
Map TP-00133

Shoreline Delineation

This map does not extend to the Atlantic Ocean. The water area it covers is a portion of Indian River. The datum was established by observations at the Williams Point Indian River Tide Station, shown on this map.

The periodic tide for this section of Indian River was masked by nontidal forces and the mean range was less than two-tenths of a foot. In this situation, the mean high/low-water datums converge and, for mapping purposes, the mean high- and mean low-water lines are indistinguishable. As a consequence, special treatment was given to the portrayal of the shoreline on this map; the mean water-level line was mapped in lieu of the mean high-water line and shown by a distinctive symbol, except in areas where there are manmade features such as bulkheads which were portrayed by a solid line, or where vegetation such as mangrove obscures the shoreline and then the apparent shoreline symbol was used.

\* Decision Responsibility for Shoreline Symbolization

Specific decisions as to the symbolization for mapping the mean water-level line, apparent shoreline and solid lines for along-shore manmade features were made January 10, 1973 in Rockville, Maryland, by competent technical officials of NOS. 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, rendered decisions on datum matters.

They also examined photographs and field edit reports with respect to inland penetration of small streams and drainages; and concluded that those features were not applicable to this map.

Archiving

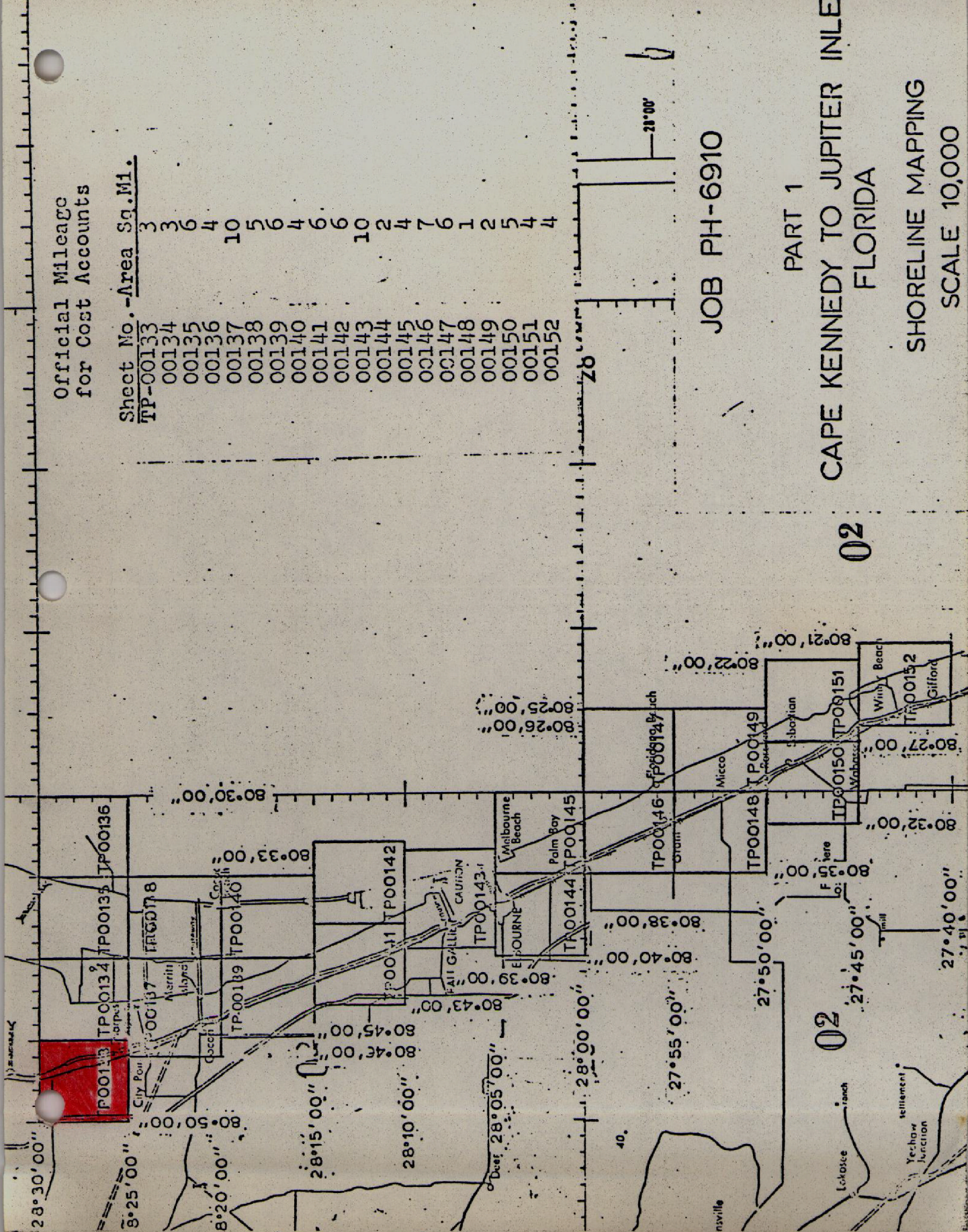
A copy of this report shall be included in Descriptive Report TP-00133 which will be permanently filed in the Bureau archives.

\* 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-00133 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 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	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~~ (20) 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

-2-


Strip 23A -- 70-L(C)-9991A thru 004A  
Strip 24 -- 70-L(C)-007A thru 015A  
Strip 25 -- ~~70~~63-E(C)-5760 thru 5768  
Strip 26 --- 70-E(C)-5772 thru 5794

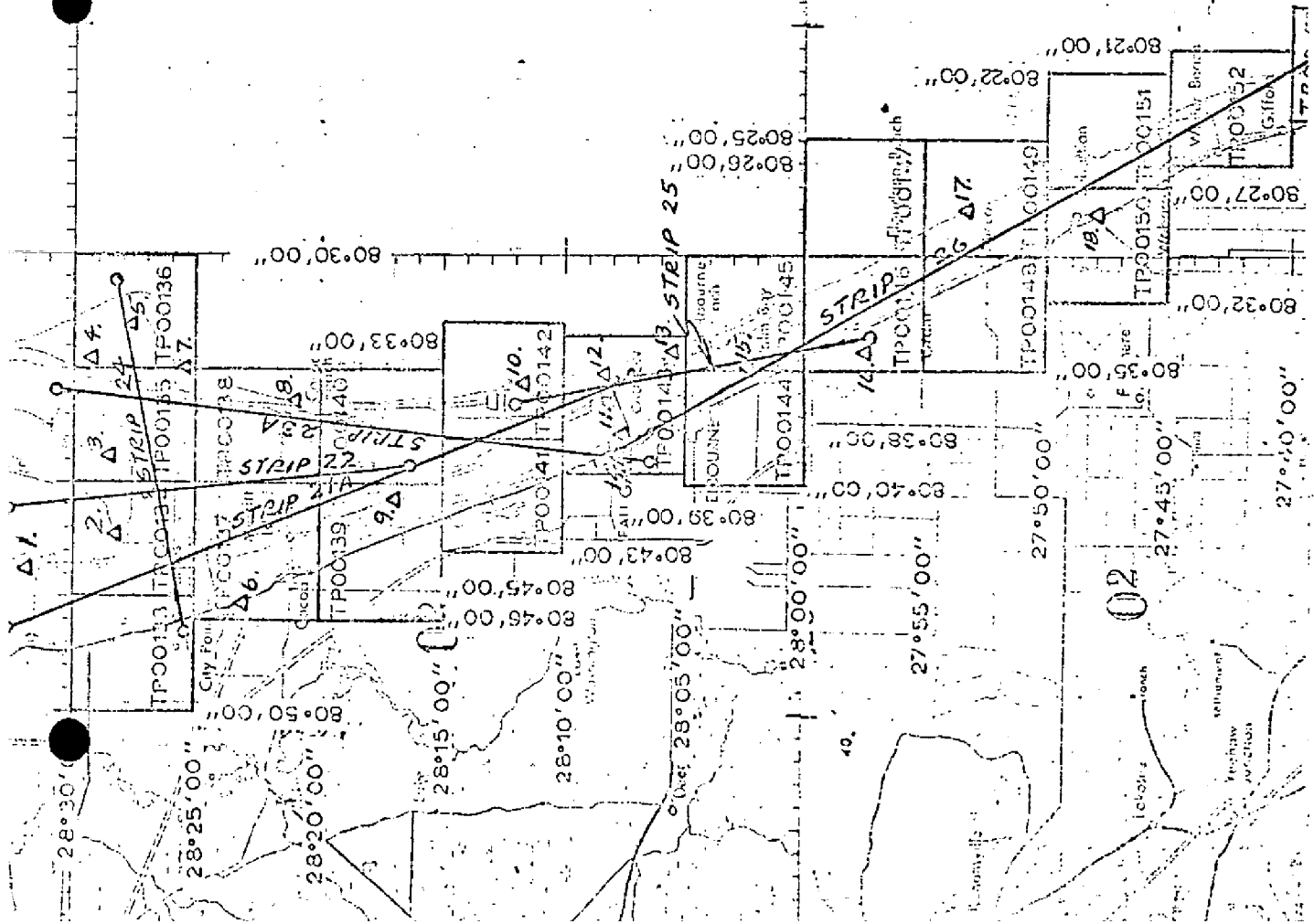
The definition and quality of the photography were good.

Respectfully submitted:

  
I. I. Saperstein

Approved and forwarded:

  
Henry P. Eichert, Chief  
Aerotriangulation Section



# Control

1. Moore RM 3, 1955
2. Courtenay, 1955
3. Paxton, 1950
4. Central, 1950
5. Cape Canaveral L.H. Center, 1954
6. Cocoa City 2, 1957
7. Artesia, 1955
8. Pose, 1956
9. Munson, 1940
10. Tripod 3, 1963
11. College 2, 1906
12. Canova Beach Melbourne Munic. M.T. 1960
13. Indialantic Melbourne T. Munic. M.T. 1960
14. Eau Gallie Munic. M.T. Center, 1954
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

PART 1

CAPE KENNEDY TO JUPITER INLET  
FLORIDA

13

SHORELINE MAPPING

SCALE 1:40,000

## Horizontal Control

Map TP-00133

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
Frontenac FLA. Power and Light Co. Smoke Stack Center, 1966  WILLIAMS, 1956	Distribution of data is restricted. Write the Director, National Geodetic Survey, for information.  "

Compilation Report  
TP-00133

31. Delineation

The land area of this map is shown by an orthophoto mosaic. The orthophoto mosaic was assembled with black and white rectified prints from the color photography. The rectified prints and mosaic were controlled by points determined by aerotriangulation.

The shoreline (mean water-level and apparent lines) and offshore features were compiled from office interpreted tide-coordinated <sup>black and white</sup> infrared photography. This infrared photography was controlled by common planimetric features and map points compiled from the orthophoto mosaic. The rectified color photography was used as an aid in interpreting culture features and compiling the limits of shallow and shoal areas for Nautical Charts.

32. Horizontal Control

Refer to the photogrammetric report which is a part of this Descriptive Report.

33. Supplemental Data

None.

34. Contours and Drainage

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

35. Shoreline and Alongshore Detail

The infrared photography was adequate for the delineation of the mean water level and apparent lines. Culture features were interpreted from the color photography.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids to Navigation

The images of charted objects visible on the photography were compiled during compilation. Chartist objects which were not visible on the photography were called to the attention of the field editor.

38. Control for Future Surveys

Tidal bench marks established by the Tide Observation Party.

39. Junctions

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

40. Horizontal Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program as outlined by the project instruction for Job PH-7000.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with U.S.G.S. Quadrangle Sharpes, Fla., scale 1:24,000, edition of 1949, contour interval 5 feet.

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart No. 843-SC, side B, scale 1:40,000, 8th edition, August 8, 1970.

No significant differences were noted.

Items to be Applied to Nautical Charts Immediately - None.

Items to be Carried Forward - None.

Respectfully submitted,

*J. C. Richter (JB)*

John C. Richter

Approved and forwarded:

*John P. Battley, Jr.*

J. P. Battley, Jr.

Field Edit Report, Map TP-00133, Job PH-6910

51. METHODS

Delineation of the Indian River shoreline was verified visually from a small boat while cruising near shore. Field notes regarding alongshore structures, pier ruins, seawalls, etc., will be found on the photographs. No major inadequacies were found.

Two landmarks are recommended. They are identified on Photo 69E4249 and Form 76-40 submitted.

Nonfloating aids to navigation were located by sextant fix, plotted on a photograph or the FIELD EDIT SHEET and Form 76-40 submitted.

All known triangulation stations were searched for and reported on Form 526. These were submitted to Rockville in April 1971.

Geodetic bench marks were searched for and identified on contact photographs, Forms 685A and the photographs being submitted in April 1971.

Field edit notes will be found on the rectified photographs, the Discrepancy Print and the FIELD EDIT SHEET.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were specified.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

2.

56. GEOGRAPHIC NAMES

A complete geographic names investigation was not required. Only one conflict was found during field work. The name PINKERTON PIER on the shoreline near the south limit is no longer in use and it is recommended that the name be omitted from the new map. The name applied to a prominent pier which is now in ruins, only the piling remaining. Local information has it that it will never be rebuilt, and if it ever was it probably would not have the significance it once did when cultural objects were sparse in the area.

Submitted June 17, 1971

*William H. Shearouse*

William H. Shearouse  
Chief, Photo Party 60

Review Report TP-00133  
Coastal Zone Map  
January 1974

61. General

The following major parts of this map have been examined prior to its publication by the Quality Control Group and are adequate:

1. Field operations
2. Extension of control
3. Compilation

A proof copy of this map was edited by the Quality Control Group prior to printing and distribution. This edit comprised of a careful inspection of map details to verify the accuracy of reproduction with reference to the map manuscript and the quality of reproduction.

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.

The horizontal and vertical control, landmarks, aids to navigation, and other compiled features were verified by field edit in 1971 rather than 1970 which is on the map.

Geographic name Bellwood was omitted from this map.

62. Registration Copy

The special Registration Copy of this map was prepared and checked by the Coastal Mapping Section. This Registration Copy shows "shallow" and "shoal" areas for Marine Chart use that are not shown on the published map.

63. thru 64. Inapplicable.

65. Cartographic Comparison

Comparison was made with this map and the following USGS quadrangle and Nautical Chart:

Sharpes, Florida, 1:24,000 scale, 1949, photorevised 1970

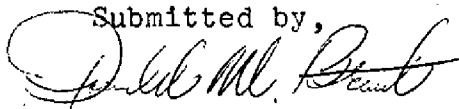
Nautical Chart 843-SC, 11th Edition, dated August 25, 1973

No significant differences were noted in making the comparisons.

66. Adequacy of Results and Future Surveys


This map complies with the project instructions for NOS Cooperative Coastal Mapping, Job PH-7000. This map meets the National Map Accuracy Standards.

Submitted by,



Donald M. Brant

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

March 14, 1974

GEOGRAPHIC NAMES  
FINAL NAMES SHEET  
PH-6910 N (Florida)

TP-00133

Delespine

Florida East Coast RR

Frontenac


Indian River

Jones Point

Sharpes

Williams Point

Approved by:



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C. E. Harrington  
Staff Geographer

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS OR LANDMARKS FOR CHARTS									
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED		Rockville, Maryland		1/10/74		<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)			
The following objects have (have not) been inspected from seaward to determine their value as landmarks:		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			
JOB NUMBER PH-6910		T-TP-00133		NA 1927					
STATE: Florida									
CHARTING NAME	DESCRIPTION	LATITUDE	LONGITUDE	FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED		
		D.M.METERS	D.M.METERS						
	Mosquito Lagoon-Eau Gallie Indian River North Section								
DYBN	Daybeacon 52	28 29	41.3	30 45	32.8	P.4 6/10/71 69E4249			843-SC
DYBN	Daybeacon 53	28 29	14.7	30 45	22.6	P.4 6/10/71 69E4249			"
DYBN	Daybeacon 54	28 28	41.7	30 45	17.3	P.4 6/10/71 69E4249			"
LIGHT	Light 55	28 28	42.5	30 45	15.1	P.4 Verif. 6/10/71 69E4249			"
DYBN	Daybeacon 56	28 28	1307.0	80 45	412.0	12/11/69 69E4249			"
DYBN	Daybeacon 58	28 27	49.7	80 45	5.7	P.4 6/10/71 69E4249			"
			1530.0		154.0				

RESPONSIBLE PERSONNEL		TITLE	
TYPE OF ACTION	NAME		
1. Objects inspected from seaward	William H. Shearouse	<input type="checkbox"/> FIELD INSPECTOR	<input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	William H. Shearouse	FIELD INSPECTOR	
	R. A. Youngblood	FIELD EDITOR	
3. Forms originated by Quality Control and Review Group and final review activities	Positions listed and checked after typing. D. Brant	<input type="checkbox"/> COMPILER	<input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> 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

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

COMPILATION

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

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY				
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED		Rockville, Maryland		1/10/74		<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)				
The following objects have (have not) been inspected from seaward to determine their value as landmarks:										
CHARTING NAME	JOB NUMBER PH-6910	STATE: Florida	DESCRIPTION	SURVEY NUMBER T-TP-00133	DATUM NA 1927	POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED
						LATITUDE ° / ' " DM. METERS	LONGITUDE ° / ' " DM. METERS	FIELD INSPECTION	COMPILATION	
			Orlando Utilities Commission Channel Daybeacons							
DYBN			Daybeacon 5 (Priv. aid)	28 29		32.4	80 45	46.0	P.4 6/10/71 60E4249	843-SC
DYBN			Daybeacon 6	"	28 29	33.8	80 45	52.1	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 7	"	28 29	32.2	80 46	59.1	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 8	"	28 29	33.7	80 46	03.5	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 9	"	28 29	32.2	80 46	09.4	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 10	"	28 29	33.8	80 46	14.4	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 11	"	28 29	31.8	80 46	20.0	P.4 6/10/71 60E4249	"
DYBN			Daybeacon 13	"	28 29	31.8	80 46	25.7	P.4 6/10/71 60E4249	"
These are all the aids located at time of field edit.										

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
1. Objects inspected from seaward	William H. Shearouse	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	William H. Shearouse	FIELD EDITOR
	R. A. Youngblood	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Positions listed and checked after typing. L. Brant	<input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> 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

1. New Position Determined—Enter the applicable data by symbols as indicated below:

AND

FIELD EDIT

F - Field

P - Photogrammetric

EXAMPLES:

1. Triangulation
2. Traverse
3. Intersection
4. Resection

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

F. 3.c  
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 (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 <input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)	
<input type="checkbox"/> TO BE CHARTED <input checked="" type="checkbox"/> TO BE DELETED		ORIGINATING LOCATION Rockville, Maryland		DATE 1/11/74			
The following objects have (have not) been inspected from seaward to determine their value as landmarks:		SURVEY NUMBER T-TP-00133		DATUM NA 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)	
JOB NUMBER PH-6910 STATE: Florida	DESCRIPTION	POSITION		FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
		LATITUDE ° / ' " D.M. METERS	LONGITUDE ° / ' " D.M. METERS				
	Intracoastal Waterway Mosquito Lagoon-Eau Galle Indian River (North Section)						
DYBN	Orlando Utilities Commission (Private Aid) Channel Dybn 2	28 296	80 453			6/10/71	843-SC
DYBN	Daybeacon 4 (Private Aid)	28 296	80 456			6/10/71	843-SC
DYBN	Jones Point Channel Daybeacon 3	28 281	80 451			6/10/71	843-SC
DYBN	Daybeacon 7	28 281	80 452			6/10/71	843-SC

RESPONSIBLE PERSONNEL		TITLE	
TYPE OF ACTION	NAME		
1. Objects inspected from seaward	William H. Shearouse	<input type="checkbox"/> FIELD INSPECTOR	<input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR	
	William H. Shearouse	FIELD EDITOR	
	R. A. Youngblood	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities	Positions listed and checked after typing. D. Brant	<input type="checkbox"/> REVIEWER	<input type="checkbox"/> 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

1. New Position Determined—Enter the applicable data by symbols as indicated below:

AND  
FIELD EDIT

F - Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection

P - Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

EXAMPLES:

F. 3.c

P. 2

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



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	William H. Shearouse
2. Positions determined and/or verified	William H. Shearouse
	R. A. Youngblood
	Positions listed and checked after typing. D. Brant
3. Forms originated by Quality Control and Review Group and final review activities	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR <input type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR <input type="checkbox"/> COMPILER <input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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EXAMPLES:

1. Triangulation
2. Traverse
3. Intersection
4. Resection

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

F. 3.c  
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.

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RESPONSIBLE PERSONNEL		TITLE	
TYPE OF ACTION	NAME		
1. Objects inspected from seaward	William H. Shearouse	<input type="checkbox"/> FIELD INSPECTOR	<input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	William H. Shearouse	FIELD INSPECTOR	
		FIELD EDITOR	
	R. A. Youngblood	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities	Positions listed and checked after typing. D. Brant	<input type="checkbox"/> REVIEWER	<input checked="" type="checkbox"/> 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.

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FIELD INSPECTION

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AND  
FIELD EDIT

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4. Resection

P - Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

EXAMPLES:

F. 3.c

P. 2

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-00133  
Data Forwarded to Federal Records Center

1 Field Edit Sheet

1 Discrepancy Print

1 Form 76-36c (History of Field Operations)

4 Form 76-40 (Landmarks and Aids to Navigation)

1 Sketch Book (Sextant Fixes for TP-00133 and TP-00134)

Photographs:

69E4249 thru 4251 (Ratio scale 1:10,000 and contact scale  
1:40,000)

70L6597 thru 6599