

original

TP-00137

TP-00137

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-00137...
Classification No. Final	Edition No. ...1.....
Field Edited Map	
LOCALITY	
State ....Florida.....	
General Locality ....Brevard County.....	
Locality .....Cocoa.....	
.....	
<hr/> 19 69 TO 1971 <hr/>	
REGISTRY IN ARCHIVES	
DATE .....	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>00137</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>6910</u>	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE  Rockville, Maryland				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE Commander Wesley V. Hull				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED							
1. OFFICE 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				2. FIELD 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: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <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 (Refer to Record of Decisions)			
3. MAP PROJECTION  Transverse Mercator				4. GRID(S) STATE <u>Florida</u> ZONE <u>East</u> STATE _____ ZONE _____			
5. SCALE 1:10,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY				I. I. Saperstein		4/71	
				Inapplicable			
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY				P. Dempsey		5/71	
				Inapplicable			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				Inapplicable			
INSTRUMENT: _____ CONTOURS BY				Inapplicable			
SCALE: _____ CHECKED BY							
4. MANUSCRIPT DELINEATION PLANIMETRY BY Shoreline: <u>Graphic</u> CHECKED BY				P. Dempsey		6/71	
METHOD: _____ CONTOURS BY				J. P. Battley, Jr.		6/71	
Interior: <u>Orthophoto mosaic</u> CHECKED BY				Inapplicable			
SCALE: <u>1:10,000</u> CHECKED BY				J. Taylor		7/71	
				J.P. Battley, Jr.		7/71	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J.P. Battley, Jr.		6/71	
				M. Webber		8/71	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY				J.P. Battley, Jr.		8/71	
7. COMPILATION SECTION REVIEW BY				P. Dempsey		1/72	
8. FINAL REVIEW BY				J.P. Battley, Jr.		8/72	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				D.M. Brant		2/74	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				H. J. Carter		8-12-74	

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

TP-00137

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 E&L cameras 6" focal length		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED <i>B&amp;W</i>		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 60th&75th	<input checked="" type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C)4251,53,54	12/11/69		1:40,000	The stage of tide is inapplicable for color photography. * 0.03 MWL * 0.01 MWL ** +0.14MWL	
69E(C)4189	12/ 8/69		1:40,000		
70L(C) 014A	11/ 5/70	13:24	1:40,000		
69L3394R-3398R	8/23/69	10:53	1:25,000		
69L3471R-3473	8/25/69	9:06	1:25,000		
69L3457R-3461R	8/25/69	08:59	1:30,000		

## REMARKS

\* Titusville Indian River      \*\*Orsino 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 tide coordinated black and white infrared photography listed in item 1.

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

There is no mean low-water line shown on this map.

## 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	TP-00133 TP-00134	EAST	TP-00138	SOUTH	TP-001399	WEST	No contem- porary survey
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## 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-00137

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION #☒ FIELD EDIT OPERATION July 1971

OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	I.I. Saperstein	8/71	
2. HORIZONTAL CONTROL	RECOVERED BY W.H. Shearouse ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY Inapplicable	7/71	
3. VERTICAL CONTROL	RECOVERED BY W.H. Shearouse ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY W.H. Shearouse	7/71	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY I.I. Saperstein LOCATED (Field Methods) BY I.I. Saperstein IDENTIFIED BY I.I. Saperstein	8/71 8/71 8/71	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	Inapplicable	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY I.I. Saperstein	8/7;	
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
	Refer to Field Inspection Report.	70L6592	K229,Z32,Y228,10.11(FLA SRD)
		70L6593	J58
		70L6594	COCOA CITY 2, W228
		70L6595	Y169,V228
		70L7546	N303,P303,R206,S206
		70L7547	11.97(FLA.SRD)U206
3. PHOTO NUMBERS (Clarification of details)		70L7548	Z206,
		70L7549	B6-2(FLA.SRD)Y206,A207
		70L7550	N210(Reset),M210
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED		70L7551	C207
Aids to navigation were located by sextant fixes, cuts from ground stations, photo points, and plotted on field edit sheet. Four (4) landmarks were located.		70L7722	P210 MERRITT
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69E4254	WWBC Radio Mast		
69E4253	TANK(COCOA, NEW MUNICIPAL W. T. 1957)		
69E4253	TOWER(COCOA, BELL TELEPHONE CO. MICRO WAVE TOWER, 1959)		
69E4253	MAST		
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			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
Sketch Book No.6: Graphic sextant fixes and cuts. *Refer to the Field Inspection Report bound with this report.			

NOAA FORM 76-36C  
(3-72)



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

## RECORD OF SURVEY USE

TP-00137

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No copies of map TP-00137 have been furnished to the				
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
1	594 74	5/23/74	Final - One report was submitted for map TP-00137

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/23/74
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 Datums  
Map TP-00137

Shoreline Delineation

This map does not extend to the Atlantic Ocean. The water areas it covers are portions of Indian River, Newfound Harbor, Sikes Creek and Canaveral Barge Canal. The datum for Indian River was established by observations at Williams Point Tide Station (north of this map), the datums for Newfound Harbor and Sikes Creek were determined by observations at Port Canaveral Locks Banana River Tide Station (east of this map) and Carters Cut Banana River Tide Station (south of this map), and the datum for Canaveral Barge Canal was determined from Port Canaveral Locks Banana River Tide Station.

The periodic tide for these inland waters was masked by non-tidal 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 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, 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 properly delineated and symbolized on the map. It was also noted that the inland extent of field inspection of the shoreline up small creeks and drainages was properly shown on the map; it is indicated on the map where the red shoreline symbolization abruptly terminates, but joins the continuing photomosaic portrayal of the shoreline.

\* See Review Report for clarification of date.

Archiving

A copy of this report shall be included in Descriptive Report TP-00137 which will be permanently filed in the Bureau archives.



Sheet No. -Area Sq. Ml.

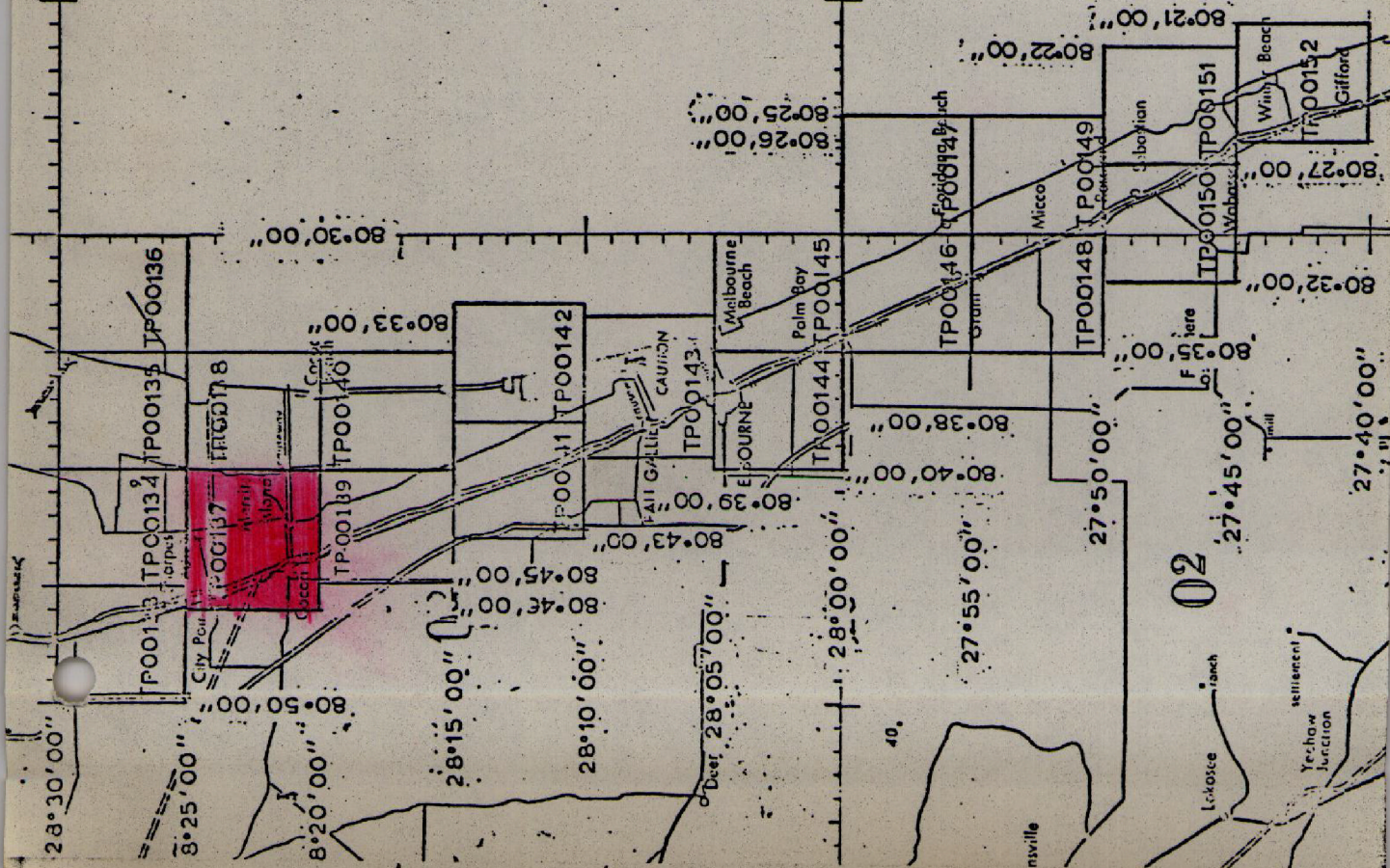
TP-00133	3
00134	3
00135	6
00136	4
00137	10
00138	5
00139	6
00140	4
00141	6
00142	6
00143	10
00144	2
00145	4
00146	7
00147	6
00148	1
00149	2
00150	5
00151	4
00152	4

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-00137 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 I, 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	COCCA 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	ANXONA
17	REFUGE 2 RM # 4	1967	TP-00160	ST. LUCIE INLET
18	SEWALL	1934	TP-00159	" " "
19	PINE	1929	TP-00162	GOVEZ
20	CISTERN	1956	TP-00163	HOEE 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 Dec 1969  
Strip 22 -- 69-E(C)-4185 thru 4194 Dec 1969



-2-

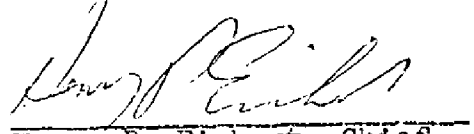
Strip 23A -- 70-L(C)-9991A thru 004A  
Strip 24 -- 70-L(C)-007A thru 015A  
Strip 25 -- ~~70-L~~ 70-E(C)-5760 thru 5768  
Strip 26 --- 70-E(C)-5772 thru 5794

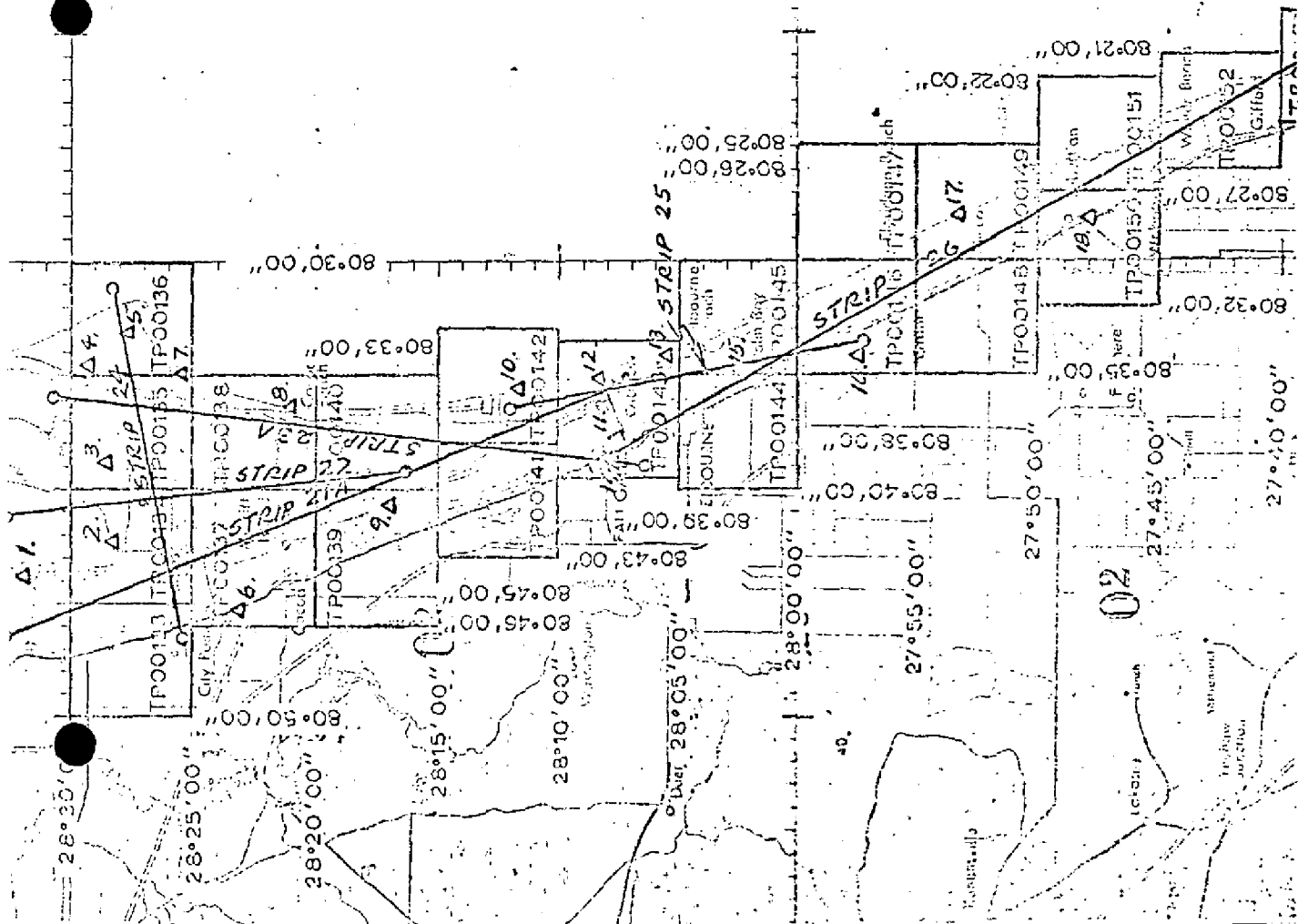
The definition and quality of the photography were good.

Respectfully submitted:

  
I. I. Saperstein

Approved and forwarded:

  
Henry P. Eichert, Chief  
Aerotriangulation Section



# Control

1. Moore RM 2, 1955
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, 1955
9. Munson, 1940
10. Tripod 3, 1953
11. College 2, 1956
12. Canova Beach Melbourne Munic. B.P. 1950
13. Indianalantic Melbourne B. Munic. B.P. 1950
14. Eau Gallie Munic. B.T. Center, 1954
15. Turkey Creek, 1954
16. Slip 2, 1934
17. Sebastian 2, 1934

- △ Horizontal control used in adjustment
- △ Horizontal control used as check
- 1:40,000 scale color photograph

JOB PH-6910

PART 1

CAPE KENNEDY TO JUPITER INLET  
FLORIDA

SHORELINE MAPPING

SCALE 10000

## FLORIDA- NOAA Coastal Boundary Mapping Program

15

Horizontal Control

Map TP-00137

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
Cocoa City 2, 1957	
NAB (USE 1940)	Book 419, P.13, 32, G.P. Fla. Vol. 1, P.570 P.C. Fla. E. Zone, p. 149
DRIVE 1940	Book 419, P.13, 32, G.P. Fla. Vol. 1, P.551, P.C. Fla. E. Zone, P. 142
LAND 1940	Book 419, P.32, G.P. Fla. Vol. 1, P.550, P.C. Fla. E. Zone, P.142
COCOA NEW Municipal Water Tank 1957	Write Director, National Geodetic Survey for information
COCOA STATE THEATER CHIMNEY 1940	Book 419, P.36, G.P. Fla. Vol. 1, P.564, P.C. Fla. E. Zone, P. 142
COCOA BELL TELEPHONE CO. MICROWAVE TOWER 1959	Write Director, National Geodetic Survey for information
BREVARD HOTEL CUPOLA 1940	Book 419, P.36, G.P. Fla. Vol. 1, P.564 P.C. Fla. E. Zone, P. 147
OLEANDER POINT 2 1906	Book 419, P. 13, 32, G.P. Fla. Vol. 1, P. 554, P.C. Fla. E. Zone, P. 144



Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
VIERTY 1940	Book 419, P. 13, 14, 38, G.P. Fla. Vol. 1, P. 550, P.C. Fla. E. Zone, P. 142
MERRITT 1959	Write Director, National Geodetic Survey for information

Compilation Report  
TP-00137

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

<sup>tide coordinated black and white</sup>  
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 - None.

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 instructions for Job PH-7000.

41. thru 45. Inapplicable.46. Comparison with Existing Maps

Comparison was made with U.S.G.S. quadrangles:

Sharpes, Fla., scale 1:24,000, edition of 1949, contour interval 5 feet;

Cocoa, Fla., scale 1:24,000, edition of 1949, contour interval 5 feet;

Courtenay, 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 Charts :

1245, 7th edition, August 30, 1969;

1246, 6th edition, October 3, 1970;

843-SC, 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,

*Partick J. Dempsey*  
Partick J. Dempsey  
Carto(Photo)

Approved and forwarded:

*J. P. Battley Jr.*  
J.P. Battley, Jr.



Field Edit Report, Map TP-00137, Job PH-6910

51. METHODS

Shoreline delineation was visually verified from a small boat running close to shore. Notes were made on the rectified photographs indicating fast and apparent shoreline, as well as sea walls and bulkheads. All alongshore and offshore detail has been indicated, such as piers, boat houses, boat ramps and offshore pilings. All boat ramps indicated are concrete surfaced.

All nonfloating aids to navigation and private channel markers have been located by sextant fixes or a combination of sextant fixes and occupying ground stations and photo points. Lights 68 and 77 were verified. The position of Light 73 could not be verified as shown on the Cronaflex field edit sheet. A fix was taken at Light 73 and a check cut from station DRIVE, 1940 checks the new position of the light as shown on the field edit sheet. The above three lights are of the old wood dolphin type structure. Light 67 is a single concrete pile with light on top and is of the new type structure. This light has evidently been rebuilt in the new position shown on the field edit sheet. Daybeacon 69 was missing as of 7/6/71.

Seven (7) private channel markers were located leading to Culbert Marina. Ten (10) channel markers were located leading to a private boat house. A channel leading to a canal in a subdivision marked by numerous private markers has been located near the southern limits of the sheet.

All aids and the channel <sup>markers</sup> mentioned above have been plotted on the Field Edit Cronaflex Sheet.

Four (4) landmarks have been located and verified as to position as shown on the field edit sheet and 843-SC. However, the landmarks shown on 843-SC and on the field edit sheet as TOWER (WWBC) and TOWER (near Indianola) are misnomers. These are single legged structures and should be shown on the charts as "MAST".

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

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 geographic name investigation was not required and no conflict of names was encountered during the course of field edit.

Submitted 7/13/71

  
Irving I. Saperstein  
Acting Chief, Photo Party 60

Review Report TP-00137  
Coastal Zone Map  
March 1974

This map and its related records were reviewed in the Coastal Mapping Section prior to its proof stage.

The proof copy of this map was edited by the Quality Control and Group prior to printing and distribution. An annotated proof copy was returned to the Coastal Mapping Section for corrections before printing.

The following major parts in the preparation of this map have been examined by the Quality Control Group and are adequate:

1. Field operations
2. Extension of control
3. Compilation
4. Descriptive Report

A standard (published map copy marked standard) was prepared and is filed with the Quality Control Group. This standard will show any changes that will be applied to any future publications of this map.

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 64. Inapplicable

65. Cartographic Comparison

A comparison was made with this map (TP-00137) and the following USGS Quadrangles:

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

No significant differences were noted.

A comparison was made with this map (TP-00137) and the following Nautical Charts:

Nautical Chart 843-SC, 11th Edition, dated August 25, 1973  
Nautical Chart 1245, 9th Edition, dated May 26, 1973

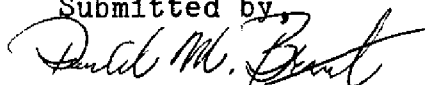
No significant differences were noted.



66. Adequacy of Results and Future Surveys

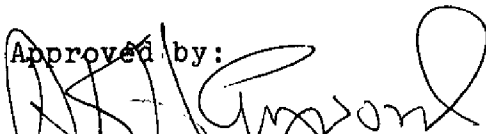
Coastal Zone Map TP-00137 complies with the project instructions for NOS Cooperative Mapping, Job PH-7000. This map meets the National Map Accuracy Standards.

Submitted by:

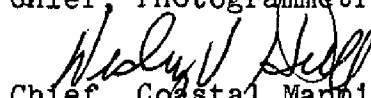


Donald M. Brant

Approved by:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

Feb. 9, 1973

## GEOGRAPHIC NAMES

## FINAL NAMES SHEET

Ph-6910 N (Florida)

TP-00137

Bennett Causeway  
Canaveral Barge Canal  
City Point  
Cocoa  
Cocoa Yacht Basin  
Florida East Coast RR  
Indian River  
Intracoastal Waterway  
Magnolia Point  
McClintock Point  
Merritt Island (Island)  
Merritt Island Airport  
Newfound Harbor  
Pullman Point  
Rockledge  
Sykes Creek  
Oleander Point  
Kiwamis Island  
Merritt Island (city)

Approved by:

*A. J. Wraight*  
\_\_\_\_\_  
A. Joseph Wraight  
Chief Geographer

Prepared by:

*C. E. Harrington*  
\_\_\_\_\_  
C. E. Harrington  
Cartographer

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY	
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										<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)	
TO BE CHARTED		TO BE DELETED		ORIGINATING LOCATION		DATE		METHOD AND DATE OF LOCATION			CHARTS AFFECTED
				Rockville, Maryland		3/14/74		(See instructions on reverse of this form)			
JOB NUMBER PH-6910		SURVEY NUMBER T-TP-00137		DATUM N.A. 1927		POSITION		FIELD INSPECTION		FIELD EDIT	
STATE: Florida		DESCRIPTION		LATITUDE		LONGITUDE					
CHARTING NAME				0 /		0 /					
				0 M. METERS		0 M. METERS					
			Mosquito Lagoon-Eau Gallie Indian River (North Section)								
DYBN			Daybeacon 66	28 24	51.7	80 44	19.0			P. 4 7/6/71	843-SC
LIGHT			Light 67	28 24	1576.0	80 44	516.0			70L014A	843-SC
LIGHT			Light 68	28 23	27.6	80 44	09.9			P. 4 7/6/71	843-SC
DYBN			Daybeacon 71	28 23	850.0	80 44	269.0			70L014A	
DYBN			Daybeacon 72	28 22	50.57	80 44	2.6			Verif.	
LIGHT			Light 73	28 22	1557.0	80 43	71.0			7/6/71	
DYBN			Daybeacon 74	28 22	27.27	80 43	52.5			P. 4 7/6/71	
DYBN			Daybeacon 76	28 21	839.5	80 43	1430.0			69E4253	
					59.45	80 43	47.89			P. 4 7/6/71	
					1830.0	80 43	1304.0			69E4253	
					31.70	80 43	34.92			P. 4 7/6/71	
					976.0	80 43	951.6			69E4253	
					30.76	80 43	37.35			P. 4 7/6/71	
					947.0	80 43	1017.0			69E4253	
					53.40	80 43	21.81			P. 4 7/6/71	
					1644.0	80 43	594.0			69E4253	

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	I. I. Saperstein
2. Positions determined and/or verified	
	I. I. Saperstein
	P. Dempsey
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing by Quality Control Group - D. Brant

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 - For '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									
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED										<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)									
ORIGINATING LOCATION										DATE									
Rockville, Maryland										3/14/74									
The following objects have (have not) been inspected from seaward to determine their value as landmarks:																			
JOB NUMBER		SURVEY NUMBER		DATUM		LATITUDE		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED							
PH- 6910		T- 00137		N.A. 1927		POSITION													
STATE: Florida		DESCRIPTION		LATITUDE		LONGITUDE													
CHARTING NAME				0 /		0 /		D.M. METERS		D.P. METERS									
LT 77		Mosquito Lagoon-Eau Gallie Indian River (North Section)	28 20	80 34	43.3					P.4 Verif. 7/6/71		834-SC							
		Canaveral Barge Canal																	
LT 3	#12	"	28 24	80 43	56.92					P.4 Verif. 7/6/71		843-SC							
LT 5	#10	"	28 24	80 43	24.11					P.4 Verif. 7/6/71		843-SC							
DYBN 6	#9	"	28 24	80 43	23.50					P.4 7/6/71 70L014A		843-SC							
					639.7														

1. Objects inspected from seaward	I. I. Saperstein		<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified			FIELD INSPECTOR
	I. I. Saperstein		FIELD EDITOR
	P. Dempsey		COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing by Quality Control Group - 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.

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

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

FIELD EDIT

F - Field

P - Photogrammetric

EXAMPLES:

- |                  |                     |        |
|------------------|---------------------|--------|
| 1. Triangulation | 1. Field identified | F. 3.c |
| 2. Traverse      | 2. Theodolite       |        |
| 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:

- For 'Field Positions' enter the date of location.
- 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. 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		3/14/74		<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)									
JOB NUMBER PH-6910		SURVEY NUMBER T - TP-00137		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)									
STATE: Florida		POSITION		LONGITUDE		CHARTS AFFECTED									
CHARTING NAME		DESCRIPTION		LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT		CHARTS AFFECTED	
				0 /		0 /									
				D.M. METERS		D.M. METERS									
TOWER	Single legged painted alternately red & white steel structure ht-448(453)	28 23	40.73	80 42	48.23					Verif.				843-SC	
WWBC TOWER	WWBC Radio Tower, single legged painted alternately red & white steel structure ht=253(253)	28 21	29.72	80 42	38.55					Verif.				843-SC	
			915.0		1050.0										
TOWER	TOWER(Cocoa, Bell Telephone Co. Micro Wave Tower 1959)ht=266(291)	28 21	06.019	80 43	39.423					Triang. Rec. Verif.				843-SC	
TANK	TANK(Cocoa, New municipal W.T., 1957) ht=120(148)	28 21	185.3	80 43	1073.6					Triang. Rec. Verif.				843-SC	
			27.917		56.614										
			859.4		1541.7										

1. Objects inspected from seaward	I. I. Saperstein		<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	I. I. Saperstein		FIELD INSPECTOR
3. Forms originated by Quality Control and Review Group and final review activities	P. Dempsey Copy checked after typing by Quality Control Group - D. Brant		FIELD EDITOR  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

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:

- For 'Field Positions' enter the date of location;
- 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.'



1. Objects inspected from seaward	I. I. Superstein		<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	I. I. Saperstein		FIELD INSPECTOR
3. Forms originated by Quality Control and Review Group and final review activities	P. Dempsey D. Brant		FIELD EDITOR
COPY checked after typing by Quality Control Group -		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

### 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:

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

[illegible]

1. Objects inspected from seaward	I. I. Saperstein		<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified			FIELD INSPECTOR
	I. I. Saperstein		FIELD EDITOR
	P. Dempsey		COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing By Quality Control Group - 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.

COLUMN TITLE

TYPE OF ENTRIES

COMPLATION

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

FIELD INSPECTION AND

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

FIELD EDIT

F - Field

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

- a. Theodolite
- b. Planetable
- c. Sextant

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. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION											
NONFLOATING AIDS OR LAIDMARKS 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		3/15/74		<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)			CHARTS AFFECTED		
JOB NUMBER		T -		N. A. 1927							
PH-6910		TP90137									
STATE: Florida											
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT	
		° /	"	°	"						
		D.M. METERS	D.M. METERS								
MARKER	Private channels markers heading to private boat house	28 23	10.30	80 44	24.89					P. 4 7/6/71	
"		28 23	317.0	80 44	677.5					P. 4 7/6/71	
"		28 23	9.83	80 44	24.59					P. 4 7/6/71	
"		28 23	302.5	80 44	669.5					P. 4 7/6/71	
"		28 23	11.03	80 44	22.59					P. 4 7/6/71	
"		28 23	339.5	80 44	615.0					P. 4 7/6/71	
"		28 23	10.40	80 44	22.41					P. 4 7/6/71	
"		28 23	320.0	80 44	610.0					P. 4 7/6/71	
"		28 23	11.78	80 44	20.28					P. 4 7/6/71	
"		28 23	362.5	80 44	552.0					P. 4 7/6/71	
"		28 23	11.03	80 44	19.91					P. 4 7/6/71	
"		28 23	339.5	80 44	542.0					P. 4 7/6/71	
"		28 23	12.44	80 44	18.15					P. 4 7/6/71	
"		28 23	383.0	80 44	494.0					P. 4 7/6/71	
"		28 23	11.58	80 44	17.72					P. 4 7/6/71	
"		28 23	356.5	80 44	482.5					P. 4 7/6/71	
"		28 23	13.17	80 44	15.59					P. 4 7/6/71	
"		28 23	405.5	80 44	424.5					P. 4 7/6/71	
"		28 23	12.21	80 44	15.11					P. 4 7/6/71	
"		28 23	376.0	80 44	411.5					P. 4 7/6/71	

## RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	I. I. Saperstein	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
		FIELD INSPECTOR
		FIELD EDITOR
2. Positions determined and/or verified	I. I. Saperstein	
	P. Gibson	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing.	<input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	D. Brant	

## 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 | 1. Field identified | F. 3.c |
| 2. Traverse      | 2. Theodolite       |        |
| 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



[illegible]

# RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	I.I. Saperstein	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	I.I. Saperstein	FIELD INSPECTOR
	P. Gibson	FIELD EDITOR
3. Forms originated by Quality Control and Review Group and final review activities	Copy 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.

### 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

- a. Theodolite
- b. Planetable
- c. Sextant

#### EXAMPLES:

#### P - Photogrammetric

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

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	TITLE
1. Objects inspected from seaward	I. I. Saperstein	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	I. I. Saperstein	FIELD EDITOR
	P. Gibson	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	COPY 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.

## COLUMN TITLE

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## FIELD INSPECTION

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AND  
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## F — Field

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a. Theodolite

b. Planetable

c. Sextant

## EXAMPLES:

P — Photogrammetric  
1. Field identified

2. Theodolite

3. Planetable

4. Sextant

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.

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

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TP-00137  
Data Forwarded to Federal Records Center

- 1 Field Edit Sheet
- 1 Discrepancy Print
- 1 Form 76-36C (History of Field Operations)
- 5 Form 76-40 (Landmarks and Aids to Navigation)
- 1 Sketch book

Photographs:

70L6592 thru 6595 (Contact scale)  
70L7548 thru 7550 (Contact scale)

70L014A (Ratio scale)  
69L4253 and 4254 (Ratio scale)