

Original

TP-00162

TP-00162

-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-00162 ..
Classification No. Final	Edition No. 1
Field Edited Map	
LOCALITY	
State Florida	
General Locality .. Martin County	
Locality .. Hobe Sound	
.....	
<div>19 70 TO 19 73</div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Maryland OFFICER-IN-CHARGE Commander Wesley V. Hull		SURVEY TP. <u>00162</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>6910</u> LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED 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, 6/19/73 OFFICE-Supplement I, 8/19/73 NOTE: Office and Field Edit. Instruc. (1973) incorporate applicable, prior operational instructions. OFFICE-Supplement II, 9/24/73		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 checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) _____	
3. MAP PROJECTION Transverse mercator		4. GRID(S) STATE _____ ZONE _____	
5. SCALE 1:10,000		STATE _____ ZONE _____ Florida East	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY _____		D. Brant	Aug. 71
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u> PLOTTED BY _____ CHECKED BY _____		Inapplicable D. Phillips Inapplicable	Aug. 71
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: _____ SCALE: _____		PLANIMETRY BY _____ CHECKED BY _____ CONTOURS BY _____ CHECKED BY _____	Inapplicable Inapplicable Inapplicable
4. MANUSCRIPT DELINEATION Shoreline: <u>Graphic</u> METHOD: _____ Interior: <u>Orthophoto mosaic</u> SCALE: <u>1:10,000</u>		PLANIMETRY BY _____ CHECKED BY _____ CONTOURS BY _____ CHECKED BY _____ HYDRO SUPPORT DATA BY _____ CHECKED BY _____	H. Lucas J.P. Battley, Jr. Inapplicable J. Taylor J.P. Battley, Jr.
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY J.P. Battley, Jr.	Nov. 72
6. APPLICATION OF FIELD EDIT DATA		BY H.S. Jones CHECKED BY J. Dempsey	June 73 Aug. 73
7. COMPILATION SECTION REVIEW		BY J.P. Battley, Jr.	Oct. 74
8. FINAL REVIEW		BY D. Brant	Feb. 75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY _____	_____
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY D. Brant	June 75
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY R. Cater	Aug. 75

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

TP-00162

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8

E&L Cameras 6" focal length

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☐ PREDICTED TIDES☐ REFERENCE STATION RECORDS☒ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED B&W

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th & 60th

☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*70E(C)5867-5868	2/14/70	1344	1:40,000	The stage of tide is inapplicable for the color photography.
70L7011R-7015R	8/15/70	1348	1:25,000	Refer to the following page for tide information.
70L7109R-7115R	8/17/70	1000	1:25,000	

REMARKS

*Photography used in orthophoto mosaic assembly.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the black-and-white tide-coordinated infrared photography listed in item 1. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of shoal and shallow areas for Nautical Charts. The map was field edited in 1973.

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

The source of the MLW line is the tide-coordinated black-and-white infrared photography listed under item 1.

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00161	No Contemporary Survey	TP-00163	No contemporary survey

REMARKS Final junctions were made in the Coastal Mapping Section.

TP-00 162
TIDE INFORMATION

3

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
<u>ATLANTIC SHORELINE</u>			
70L7011R-7015R	Jupiter Inlet	-0.60MLW*	2.46
70L7109R-7115R	Jupiter Inlet	+0.13MHW	2.46
<u>INTERIOR WATERS</u>			
70L7011R-7015R	Hobe Sound	-0.11MLW	1.52
70L7109R-7115R	Hobe Sound	+0.14MHW	1.52
<p>*The stage of tide tolerance is greater than +0.30ft. specified in the instructions for some of the photography used in compiling portions of the MLW lines. The horizontal position of these lines was verified by field edit.</p>			

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HISTORY OF FIELD OPERATIONS.

I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION *				<input checked="" type="checkbox"/> FIELD EDIT OPERATION.			
OPERATION			NAME		DATE		
1. CHIEF OF FIELD PARTY			R.R.Wagner		Feb. 72		
2. HORIZONTAL CONTROL			RECOVERED BY W.H.Shearouse		Feb. 72		
			ESTABLISHED BY Inapplicable				
			PRE-MARKED OR IDENTIFIED BY "				
3. VERTICAL CONTROL			RECOVERED BY W.H.Shearouse		Feb. 72		
			ESTABLISHED BY Inapplicable				
			PRE-MARKED OR IDENTIFIED BY Carl Ullman		Mar. 73		
4. LANDMARKS AND AIDS TO NAVIGATION			RECOVERED (Triangulation Stations) BY Carl Ullman		Mar. 73		
			LOCATED (Field Methods) BY Carl Ullman		Mar. 73		
			IDENTIFIED BY Carl Ullman		Mar 73		
5. GEOGRAPHIC NAMES INVESTIGATION			TYPE OF INVESTIGATION				
			<input type="checkbox"/> COMPLETE		BY		
			<input type="checkbox"/> SPECIFIC NAMES ONLY				
			<input checked="" type="checkbox"/> NO INVESTIGATION				
6. PHOTO INSPECTION			CLARIFICATION OF DETAILS BY Carl Ullman		Mar. 73		
7. BOUNDARIES AND LIMITS			SURVEYED OR IDENTIFIED BY Inapplicable				
II. SOURCE DATA							
1. HORIZONTAL CONTROL IDENTIFIED			2. VERTICAL CONTROL IDENTIFIED				
PHOTO NUMBER	STATION NAME		PHOTO NUMBER	STATION DESIGNATION			
	Refer to Field Report		70E5867	Y224,Z224,X232,M308,P308,TIDAL 1			
			70E5868	TIDAL2,Z167,W169,V224 (R.S.R.D.),L308,N308,H309 CISTERN,HILD2,HOBE, ROYAL 2, YATES			
3. PHOTO NUMBERS (Clarification of details)							
70E5867, 5868, 70L7113							
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED							
Landmarks and aids to navigation were located or verified by field methods.							
PHOTO NUMBER	OBJECT NAME		PHOTO NUMBER	OBJECT NAME			
70E5867	Hobe Sound Lt. 37		70E5868	JUPITER INLET USCG LORAN			
			8)E5868	TRANSMITTING MAST & HOBE SOUND CO. STAND-PIPE			
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							
Plat of "The Soundings"							
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)							
*Refer to Field Report bound in this Descriptive Report. Sketchbook(Sextant fixes & cuts)							

TP-00162

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No copies of this map were 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
		4/9/73	3 forms submitted for final report.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/9/73
3. ☒ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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	

02

6

Official Mileage for Cost Accounts

Sheet No. -Area Sq.Ml.

TP-00153	7
00154	6
00155	6
00156	7
00157	7
00158	13
00159	16
00160	1
00161	2
00162	4
00163	13

Total 82

Mullet Key water tank

Egmont Key

29° 32' 45"

NAUTICAL MILES

STATUTE MILES

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING

SCALE 10,000

Record of Decisions
TP-00162

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

SUMMARY
TP-00153 thru TP-00163

Coastal Zone Map TP-00162 is one of eleven (11) similar maps in project PH-6910, Part 2. The layout of sheets (page 6 of this report) will show its location. These maps are intended for planning purposes by the State of Florida and for the compilation of NOS Nautical Charts.

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

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

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

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

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

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

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

The following items will be registered in the Bureau Archives:

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

All negatives will be filed with the Reproduction Division.

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

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

In accordance with Instructions - FIELD - Supplement 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.

TRIPCD 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	TRIPCD 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	RICHAR 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	CGMEZ
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

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

21. Area Covered

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

22. Method

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

23. Adequacy of Control

Horizontal control was premarked and was adequate for bridging.

24. Supplemental Data

None

25. Photography

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

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


The definition and quality of the photography was good.

Respectfully submitted,



Donald M. Brant

Approved and Forwarded:


Henry F. Eichert, Chief
Aerotriangulation Section

1. 72804 (Tie from Strip 26)

2. PIERCE 2 1963

3. WHITE 2 1966

- H. WATSON 1930

5. REFUGE 2 RM 4 1934

6. SEAWALL 1898 The map ^{part 2} was revised after the completion of the aeration operation. Refer to page 7 for note.
7. PINE 1929
8. CISTERN 1956 revised 1990.

7. PINE 1929

3. CISTERN 1956 revised layout.

9. RADAR 1955

10. GOLF RM 1 1934

- The point used in adjustment;

- A horizontal control used in adjustment

- 1:40,000 scale photography

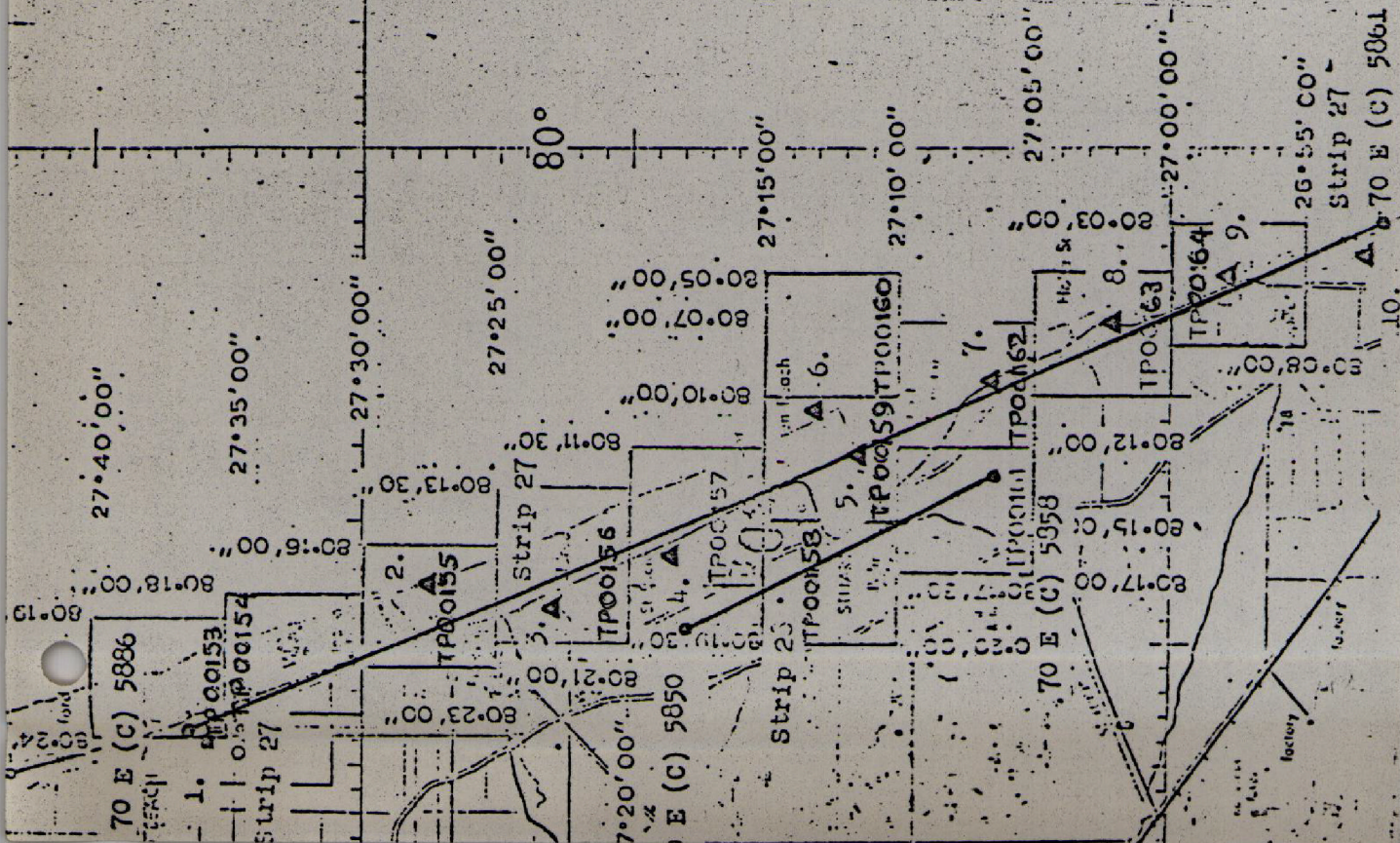
JOB 11-6910

PAIR 2

CAPÉ KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING

SCALE 10,000



Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
CISTERN, 1956	Book 421, P. 42, 45, 46, 53, G.P.-Fla. Vol. 1, P. 1008, P.C. Fla. E Zone, P. 214
HILD 2, 1934	Book 421, P. 11, 36, 41, 47, 54, G.P.-Fla. Vol. 1, P. 159, P.C. Fla. E Zone, P. 21
HOBE, 1934	Book 421, P. 10, 11, 36, 47, G.P.-Fla. Vol. 1, P. 160, P.C. Fla. E Zone, P. 21
HOBE SOUND COMPANY, STANDPIPE, 1913	Book 421, P. 10, 36, 40, G.P.-Fla., Vol. 1, P. 969, P.C. Fla. E Zone, P. 214
JUPITER, U.S. COAST GUARD A/C MAST, 1962	Fla. Vol. II, P. 604
ROYAL 2, 1934	Book 421, P. 9, 36, 43, 51, 57, G.P.-Fla. Vol. 1, P. 159, P.C. Fla. E Zone, P. 21
YATES 2, 1934	Book 421, P. 10, 36, 52, G.P.-Fla. Vol. 1, P. 160, P.C. Fla. E Zone, P. 21

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
M 308	14.642	C&GS disk stamped M 308 1970; 43 ft. SW of center junction of 707 and Devonshire Lane, 40 ft. W of 707 centerline.
P 308	23.248	C&GS disk stamped P 308 1970; 79 ft. SE of center of junction of 707 and driveway leading W to residence of Mr. Beebe, 20.5 ft. E of 707 centerline.
H 309	12.467	C&GS disk stamped H 309 1970; 33 ft. E of centerline paved road leading N, 25 ft. N centerline of driveway through parking area, 14 ft. W centerline of N-S driveway.
HILD 2	19.035	C&GS disk stamped HILD 2 1934; about 100 yds. E of 707, in the front yard of residence of Mr. Field, 40 ft. SE of NE corner of house, 22 ft. NW of SE corner of patio.
ROYAL 2	11.253	C&GS disk stamped ROYAL 2 1934; 69 ft. E centerline paved road, 37 ft. N centerline road leading E.
YATES 2	18.802	C&GS disk stamped YATES 1934; 82 ft. W of SW corner of residence, 42 ft. N of driveway centerline.
HOBE SOUND, TIDAL 1	12.828	*
HOBE SOUND, TIDAL 2	14.304	*
HOBE SOUND, TIDAL 3	13.337	*
HOBE SOUND, TIDAL 4	14.377	*
HOBE SOUND, TIDAL 5	14.380	*

*Description given under Tidal Bench Marks.

Compilation Report
TP-00162

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 tidal datum lines and any offshore features on this map were compiled from office interpreted tide-coordinated black-and-white infrared photography. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of shallow and shoal areas for Nautical Charts. The tide-coordinated black-and-white infrared photography was controlled by common planimetric features compiled from the orthophoto mosaic and map points determined by aerotriangulation.

32. Horizontal Control

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

33. Supplemental Data - None

34. Contours and Drainage

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

35. Shoreline and Alongshore Detail

The photography was adequate for the delineation of the tidal datum lines. A field edit is requested for the verification of the interpretation of the photography.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids to Navigation

Landmarks and aids to navigation will be located during field edit.

38. Control for Future Surveys - None

39. Junctions

Refer to Form 76-36B(page 2 of this Descriptive Report).

40. Horizontal Accuracy

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

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with USGS quadrangles:

Hobe Sound, Fla., scale 1:24,000, photorevised 1967;
Gomez, Fla., scale 1:24,000, photorevised 1967.

47. Comparison with Existing Nautical Charts


Comparison was made with charts 1247, scale 1:80,000, 5th edition, April 1972, and S/C845, scale 1:40,000, 10th Edition, August 1971.

No significant differences were noted.

Submitted by,


Henri Lucas

Approved and forwarded:


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

Field Edit Report, Map TP-00162, Job PH-6910

51. METHODS

The shoreline of the Atlantic Ocean was verified visually from roads leading to the shore and by walking the shore to verify and identify groins. The shoreline of Hobe Sound was verified visually from a small boat while cruising just offshore. Notes regarding apparent and fast shoreline, piers and other shoreline structures were made on the rectified photographs.

Two landmarks are recommended for charting. Form 76-40 is submitted. Both landmarks are triangulation stations.

Forms 76-40 is also submitted for nonfloating aids. All aids have been shown on the field edit sheet.

Bench marks were searched for, identified on the photographs and reported on Forms 685A and 76-89.

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

State and Federal highway numbers are shown on the photographs.

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

The question areas on the discrepancy print for MLWL are answered on the field edit sheet and discrepancy print. The Hobe Sound State Park BM #1, 1972 was used since all the question areas are close to this mark. At the time the areas were verified, the tide range .3 to .4 of a foot above MLW.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were required.

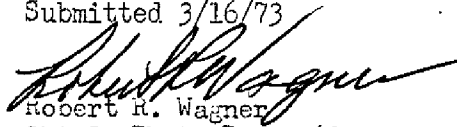
54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 3/16/73


Robert R. Wagner
Chief, Photo Party 60

Review Report
Coastal Zone Map TP-00162
June 1975

61. General

The map manuscript for Coastal Zone Map TP-00162 was reviewed in its Class I (field edit applied) stage by the Quality Control Group. The review consisted of an examination of the following:

- map manuscript
- photography
- field edit and its application
- reproduction negatives
- descriptive report

The proof copy of Coastal Zone Map TP-00162 was examined and edited by the Quality Control Group prior to its publication. This edit comprised a thorough inspection of map details to verify the accuracy of reproduction with reference to the map manuscript and the quality of reproduction. In addition, the proof copy was examined by the following sections:

- Coastal Mapping - Map details
- Staff Geographer - Geographic names
- Coastal Surveys - Horizontal and Vertical control

62. Cartographic Comparison

Comparison was made with the following quadrangles:

- Hobe Sound, Fla., 1948, photorevised 1967, 1:24,000 scale
- Gomez, Fla, 1948, photorevised 1967, 1:24,000 scale.

No significant differences were found.

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

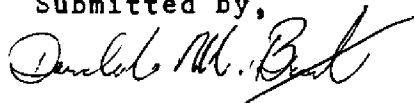
Nautical chart 11472 shows rocks and submerged rocks at approximate latitude $27^{\circ}04.1'$ and longitude $80^{\circ}07'$. A dredging and filling operation of this area was taking place at the time of field edit (August, 1974). No rocks were visible at this date.

63. thru 65. Inapplicable

66. Adequacy of Results and Future Surveys

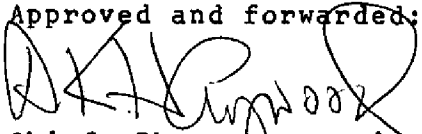
Coastal Zone Map TP-00162 complies with the instructions for NOS Cooperative Coastal Boundary Mapping, Job PH-7000, and the National Standards of Map Accuracy.

Submitted by,



Donald M. Brant

Approved and forwarded:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

12 June 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6910 (Florida)

TP-00162

Atlantic Ocean

Banner Lake

Bonair Beach

Florida East Coast (RR)

Harbor Island

Hobe Sound

Hobe Sound (community)

Hobe Sound National Wildlife Refuge

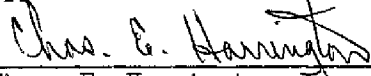
Jonathan Dickinson State Park

Jupiter Island

Lake Francis

South Jupiter Narrows

Approved



Chas. E. Harrington
Staff Geographer - C51x2

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION

Rockville, Maryland

DATE

3/28/75

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

CHARTING NAME	JOB NUMBER PH- 6910	SURVEY NUMBER T- TP-00162	DESCRIPTION	DATUM N.A. 1927		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED	
				LATITUDE		LONGITUDE		FIELD INSPECTION	COMPIRATION		FIELD EDIT
				D.M.METERS	°	D.M.METERS	°				
			ST. LUCIE INLET JUPITER INLET SOUTH JUPITER NARROWS								
DYBN 28				27 04	58.17	80 07	49.91				
DYBN 30				27 04	1790.5 26.51	80 07	1375.0 38.87		P.4 2/20/73	845-SC	
DYBN 31			HOBE SOUND	27 03	816.0 17.64	80 07	1071.0 9.91		P.4 2/20/73	"	
LT 32				27 03	542.5 12.77	80 07	273.0 10.70		"	"	
DYBN 33				27 03	393.0 11.62	80 07	295.0 7.31		"	"	
DYBN 34				27 03	357.5 58.71	80 07	201.5 0.81		"	"	
DYBN 35				27 02	1807.0 37.92	80 06	22.3 45.08		"	"	
DYBN 36				27 02	1167.1 16.18	80 06	1242.4 32.96		P.4 2/22/73	"	
					498.0		908.6				

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
1. Objects inspected from seaward	CARL Ullman	<input checked="" type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR
		FIELD INSPECTOR
	R. R. Warner	FIELD EDITOR
	H. Lucas	COMPILER
2. Positions determined and/or verified		
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

AND

FIELD EDIT

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

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./66

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
1. Objects inspected from seaward	Capt. Illman	<input checked="" type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R. R. Wagner	FIELD EDITOR
	H. Lucas	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

TYPE OF ENTRIES

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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.'

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

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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

TP-00162
National Archives Data

2 Field edit sheets

1 Discrepancy Print

3 Forms 76-40

1 Sketchbook (Sextant fixes)

Tide Data

Photography:

70E(C)5867, 5868 (2 copies 5868)

70L 7111R - 7114R