Original

TP-00185

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-7010..... *Map No.* TP-00185..

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

Field Edited Map

LOCALITY

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

General Locality ..Paulm Beach.....

Locality ..Juno.....

.....

1970 TO 1973

REGISTRY IN ARCHIVES

DATE .....

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

TP-00185

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

DESCRIPTIVE REPORT - DATA RECORD

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

SURVEY TP. 00185

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 7010

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander Wesley V. Hull

LAST PRECEEDING MAP EDITION

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

JOB PH. ____

MAP CLASS ____

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

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

II. DATUMS

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

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

3. MAP PROJECTION: Transverse Mercator

4. GRID(S): STATE: Florida; ZONE: East

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	V. McNeel	12/71
METHOD: Analytic	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	5/72
METHOD: Coradomat	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Lewis	1/73
Shoreline:Graphic	CHECKED BY	J.Battley, Jr.	1/73
METHOD: Interior:Orthophoto mosaic	~~CONTOURS~~ BY	J. Taylor	1/73
	CHECKED BY	J. Battley, Jr.	1/73
	HYDRO SUPPORT DATA BY	Inapplicable	
SCALE: 1:10,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley, Jr.	3/73
6. APPLICATION OF FIELD EDIT DATA	BY	P. Gibson	8/73
	CHECKED BY	P. Dempsey	8/73
7. COMPILATION SECTION REVIEW	BY		
8. FINAL REVIEW	BY	D. Brant	8/74
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	8/74
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. CATOR	8/75

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

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

NOAA FORM 76-36B
(3-72)

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

TP-00185

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

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

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

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
70E(C) 5863	2/14/70	13:35	1:40,000	The stage of tide is inapplicable for the color photography.
71E(C) 9497 & 9498	3/8/71	11:39	1:30,000	
70L7372R & 7373R	8/18/70	11:50	1:25,000	Refer to the following page for tide information.
70L7438R & 7439R	8/19/70	12:32	1:25,000	
70L6995R-6997R	8/15/70	11:58	1:25,000	
70L7021R - 7023R	8/15/70	13:53	1:25,000	

REMARKS

*Photography used for the assembly of the orthophoto mosaic.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated black and white 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 1971 color photography was also used to update culture shoreline.

Where the shoreline is obscured by vegetation such as mangrove, the apparent shoreline symbol was used. 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-00163	Atlantic Ocean	TP-00186	No contemporary survey

REMARKS

Final junctions were made in the Coastal Mapping Section.

* U.S. G.P.O. 1972-769381/568 REG.#6

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
ATLANTIC SHORELINE			
70L7372R & 7373R	Jupiter Inlet	+0.24 MHW	2.46
70L7438R & 7439R	Jupiter Inlet	+0.09 MHW	2.46
70L7021R- 7023R	Jupiter Inlet	-0.55 MLW	*2.46
INTERIOR WATERS			
70L7372R-7373R	N. Palm Beach Lake Worth	-0.05 MHW	2.86
70L7438R-7439R	N. Palm Beach Lake Worth	+0.05 MHW	2.86
70L7021R-7023R	N. Palm Beach Lake Worth	-0.47 MLW	*2.86
70L6995R-6997R	N. Palm Beach Lake Worth	+0.04 MLW	2.86

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

NOAA FORM 76-36C
(3-72)

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

TP-00185

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION # [X] FIELD EDIT OPERATION. April 1973

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.R. Wagner	3/27/73
2. HORIZONTAL CONTROL	RECOVERED BY	R.R. Wagner	3/27/73
	ESTABLISHED BY	Inapplicable	
	PRE-MARKED OR IDENTIFIED BY	Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY	R.R. Wagner	3/27/73
	ESTABLISHED BY	Inapplicable	
	PRE-MARKED OR IDENTIFIED BY	R.R. Wagner	3/73
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	R.R. Wagner	3/23/73
	LOCATED *(Field Methods)* BY	R.R. Wagner	3/29/73
	IDENTIFIED BY	Inapplicable	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.R. Wagner	4/5/73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	Inapplicable	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
	Refer to field report

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
70E5863 71E9498	TIDAL33,G305,H305,J305, K305,M305,V305,TIDAL 1 GOLF RM2, GOLF 2 S-2

3. PHOTO NUMBERS *(Clarification of details)*
70E5863,71E9497,71E9498

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
One landmark is recommended(triangulation). Non-floating aids were locatëdcby sextant fix.

PHOTO NUMBER	OBJECT NAME
	JUNO, SEMINOLE GOLF CLUB WATER TANK 1955 Triang. not identified on photo.

PHOTO NUMBER	OBJECT NAME
	Located by sextant none identified on photo.

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

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

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*
Sextant locations on pages from sketch book - 4 pages.
*Refer to Field Repôrt bound in this report.

NOAA FORM 76-36C
(3-72)

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

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-00185

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and along-shore area revised from field edit.	1973	Map Class: 1 Field edit: 1973	3/22/74	- -

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		4/9/75	2 forms 76-40 submitted as final report

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

III. FEDERAL RECORDS CENTER DATA

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

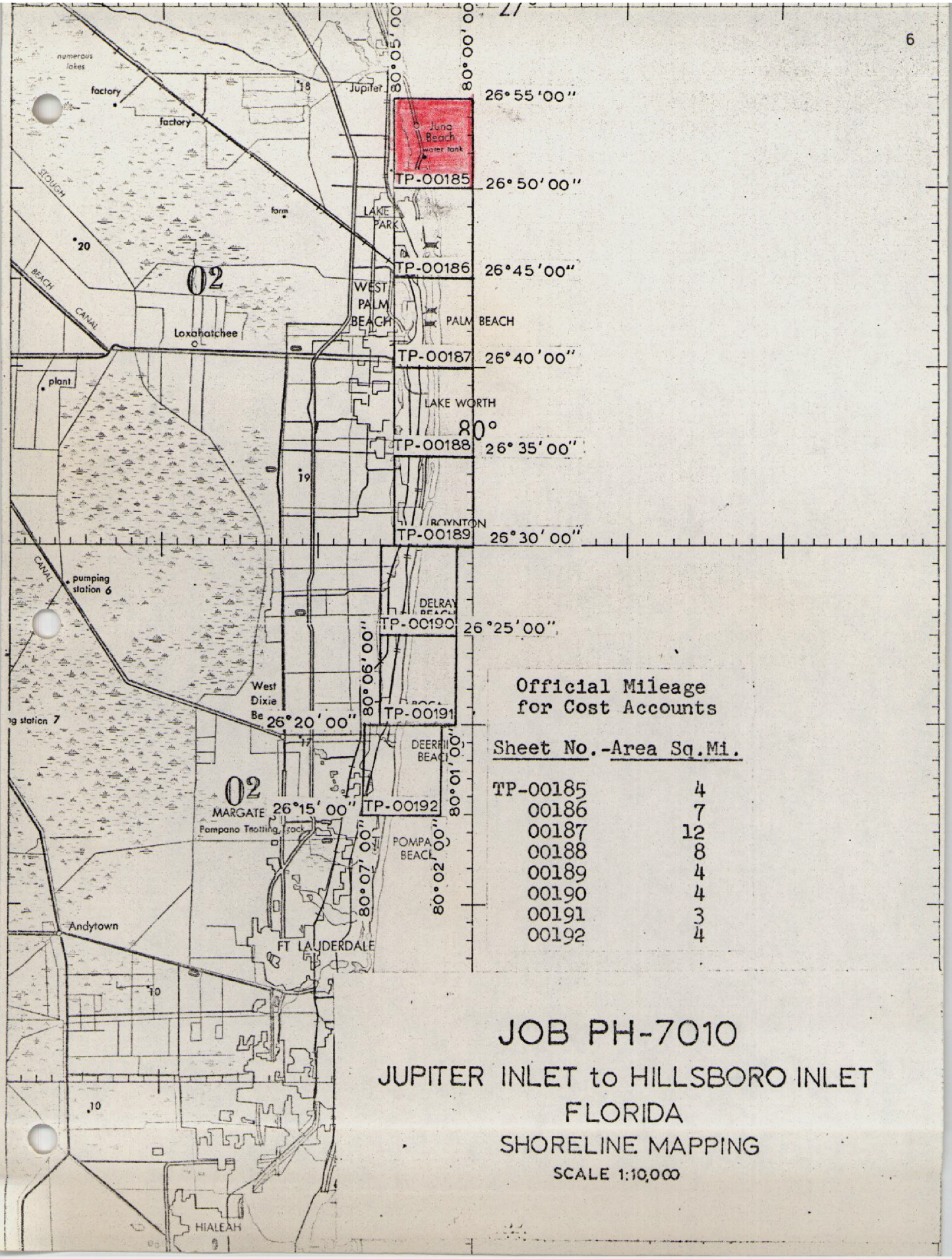
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

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



Official Mileage
for Cost Accounts

Sheet No.	Area Sq. Mi.
TP-00185	4
00186	7
00187	12
00188	8
00189	4
00190	4
00191	3
00192	4

JOB PH-7010

JUPITER INLET to HILLSBORO INLET

FLORIDA

SHORELINE MAPPING

SCALE 1:10,000

Record of Decisions
TP-00185

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-00185 thru TP-00192

Coastal Zone Map TP-00185 is one of eight (8) similar maps in Job PH-7010. The index to adjoining sheets 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 and 1971 on color and black-and-white infrared film. The infrared film was tide coordinated.

Field operations consisted of the following:

1. Recovery of horizontal and vertical control
2. Pre-marking of horizontal control for aerotriangulation
3. Establishment of tidal datums
4. Tide station and tidal bench mark information.

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 stereo plotter and/or 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 NOS 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. A continuous tone negative of the orthophoto mosaic
4. The Descriptive Report.

All negatives used in printing the maps are filed in the Reproduction Division.

All field data such as field edit sheets, discrepancy prints, field edit photographs, foreshore profiles, and field forms are filed in the National Archives.

FIELD REPORT

JOBS PH-7010 and PH-7113

In accordance with Instructions - FIELD - PH-7010, Aerotriangulation Control, and Instructions - FIELD - Job PH-7113; Horizontal Control for Aerotriangulation and Field Support for Aerial Photography; Coastal Boundary Mapping, Florida, the following report is submitted.

1. HORIZONTAL CONTROL

The two jobs are treated as one for report purposes, targets on Job PH-7010 being replaced in approximately the same positions as they were in November 1970.

Twenty-one stations were premarked for 1:30,000 scale color photography. Where feasible, Array No. 1 was used, being a 9-foot triangle with 3 runners or wing panels of 2 x 20 ft. dimensions. Several variations were used as the area is highly developed, particularly in the southern part, and space was not always available. The CSI cards are believed to be adequate to explain the variations but some discussion is in order.

From north to south the first 8 stations are Array No. 1 with varying degrees of angle between the wing panels.

POMPANO 1928 was marked by a triangle painted on the macadam (station is in a parking area) over the station mark. Paint used was Pittsburg flourescent TANGERINE (very close to what we call fire orange) and should show well on the color photographs. (This paint was used on two other stations and we would be interested to know how it turns out.) In addition, a white 9-ft. trianglewas placed on top of a nearby flat-roofed building approximately 10 feet high, which is a substation.

HALLAND 1928 was marked by a painted target substation placed on the light brown sand of a public beach. We used a white plastic target and painted it. No room was available for wing panels at this small beach.

CAPE FLORIDA OLD TOWER FINIAL 1883 was marked by a single white triangle. No room was available for wing panels.

CAUSEWAY 1934 was marked by a painted triangle placed on the west end of a bridge under construction. The bridge is real white and the color should show "like a light".

PAN AMERICAN 1935 was marked by 2 white triangles placed on the lower level of the 3-level, flat-topped building, one on the east side and one on the south. They are approximately 18 to 20 feet above ground. Two triangles were used "to be sure".

BLACK POINT 3 and NARROW POINT are in the water and approximately 50 feet offshore. Triangles were built over the station marks and about 3 feet above estimated mean high-water level. 8-foot squares were used as wing panels believing these would withstand more wind. The Commander of ESSA 88 reported these targets in good condition at time of bridging photography, only one wing panel being damaged.

All targets were taken up after photography except the two in the water. All were found in good condition, although we had to make repairs to a few during the period they were on the ground due to wind damage. Only station CLOISTER was vandalized and it was not bothered after it was replaced. This is rather remarkable considering some of the locations.

USGS quad maps showing approximate locations of targets have been submitted.

We were advised by the Commander of aircraft that Line 30-1, Job PH-7113, was photographed February 24 and the other lines on both Jobs on March 8.

2. TIDE COORDINATED PHOTOGRAPHY

As directed by telephone, the following nine tide

stations were manned.

(1) Lake Worth, Atlantic Ocean
(2) Andrews Avenue Bridge, Fort Lauderdale
(3) Bahia Mar Yacht Club, Fort Lauderdale
(4) Port Everglades
(5) Biscayne Creek, North Miami
(6) Biscayne Bay, Miami
(7) Biscayne Bay, Cutler
(8) Biscayne Bay, Turkey Point
(9) Card Sound

Photography obtained was based on the first seven gages. Lines 30-5 and 30-6 would have been based on TURKEY POINT and CARD SOUND. These lines were not photographed. Also, high-water only was obtained for line 30-4, based on CUTLER.

Recordings entered in the tide volumes, Form 277, were at 5 minute intervals near and during photography; otherwise 15 minute interval. Wet staff readings--crest, trough and mean--were recordedwhile photography was in progress. Tolerances of ±0.3 ft. for mean high-water and ±0.1 ft. for mean low-water were observed. Eastern Standard Time was used.

Photography was obtained on 2 days: Low-water February 24 and high-water March 2. Lines 30-1, 30-2 and 30-3 were flown at low-water. Lines 30-1, 30-2, 30-3, and 30-4 were flown at high.

Low-water photography Feb. 24. (Time furnished by Photographer.)

(1) Segment of Line 30-1 approximately 4 miles north and 4 miles south of Port Everglades inlet (or entrance) 1201 to 1210 hrs. based on PORT EVERGLADES staff reading of 1.7 ft.

(2) Line 30-1, based on LAKE WORTH PIER, photographed in its entirety from 1228 to 1241 hrs. when the tide reading was 1.4/1.3 ft.

(3) An 8 mile segment of line 30-1, based on BAHIA MAR YACHT CLUB, was photographed at 1444 to 1449 hrs. when the tide staff read 1.7 ft.

(4) An 8 mile segment of line 30-1, based on ANDREWS AVENUE BRIDGE was photographed at 1511 to 1515 hrs., when the staff read 1.8 ft.

(5) Line 30-2, based on BISCAYNE BAY, MIAMI, and flown south to north, was photographed at 1259 to 1305 hrs., when the staff read 2.2 feet.

(6) Line 30-3, based on BISCAYNE BAY, MIAMI and BISCAYNE CREEK, NORTH MIAMI, flown south to north, was photographed at 1319 to 1324 hrs, when the BISCAYNE Bay, Miami staff read 2.1 and the BISCAYNE CREEK staff read 3.1, both ends of the line being with tolerance.

(7) Line 30-2 was then photographed again, based on BISCAYNE CREEK, NORTH MIAMI, and flown from north to south at 1330 to 1336 hrs when the staff reading was 3.1.

This ended the low-water photography.

<u>High-water photography, March 2.</u>

(1) Line 30-1, based on LAKE WORTH PIER, was photographed at 1039 to 1055 hrs., when the gage reading was 4.2 feet. However, we were advised that parts of this line were re-photographed at approximately 1144 to 1149 hrs. in the Miami Beach area and at 1242 to 1245 hrs. in the Hollywood area. Tide was within tolerance at all times.

(2) A segment of line 30-1, based on ANDREWS AVENUE BRIDGE (as well as BAHIA MAR and PORT EVERGLADES) was photographed at 1103 to 1106 hrs. with the camera end overlap setting at 80%.

(3) Line 30-2, based on BISCAYNE BAY, MIAMI and BISCAYNE CREEK, NORTH MIAMI, was photographed at 1254 to 1300 hrs. when the BISCAYNE BAY, MIAMI reading was 4.6 ft. and the BISCAYNE CREEK staff read 5.6 ft.

(4) Line 30.3, based on the same stations, was photographed at 1305 to 1311 with the staff readings unchanged from line 30-2.

(5) Line 30-4, based on BISCAYNE BAY, MIAMI and BISCAYNE BAY, CUTLER, was photographed at 1319 to 1325, when the MIAMI staff read 4.5 and CUTLER read 4.8 ft.

This ends the high-water photography.

3. FORESHORE PROFILES

Ten planetable beach profiles were run within the limits of Job PH-7113. They cover a linear distance of approximately 40 miles. The northerly one is at triangulation station POMPANO and the southernmost one is near the Cape Florida lighthouse on Key Biscayne. Mr. Phil Walbolt ran 7 of the 10 during the period of photography, basing tide stage on a nearby tide gage. The other 3 were similarly accomplished two or three days after photography, with information as to tide level being obtained from the Weather Service's remote recorder in Miami Beach via telephone, in 2 instances.

The procedure was to drive a stake to water level near shore and obtain the tide gage reading at that time by radio from a nearby gage. This elevation thus became the bench mark to determine the horizontal position of mean high- and mean low-water lines from a planetable setup. Points occupied were triangulation stations or recoverable photo-topo points. The planetable was oriented to magnetic north with an azimuth to an identifiable point. One variation from this is at profile No. 7 where no distant azimuth was visible and the profile was laid out to parallel a beach groin that should be clearly visible on the low-water photographs.

No profiles were run in Job PH-7010 since the infrared photography was obtained several months ago.

In addition to sketches at some of the occupied points, USGS quad maps show the approximate locations of the profiles along with premark target locations.

Submitted 3/25/71

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

PHOTOGRAMMETRIC PLOT REPORT
JUPITER INLET TO HILLSBORO INLET, FLORIDA
Job PH-7010
January 1973

21 AREA COVERED

This report covers an area on the east coast of Florida south from Jupiter Inlet to Hillsboro Inlet. The job consists of eight (8) 1:10,000 scale sheets: TP-00185 through TP-00192.

22 METHOD

Two (2) strips of photography (Nos. 1 and 2) were bridged using aerotriangulation methods. Ties were made between these strips and with strip No. 27 of the Cape Kennedy to Jupiter Inlet Report immediately to the north of this area. Image points were located to rectify photographs for orthophoto nautical and small craft charts. All points were drilled by the PUG method. Closure to control has been noted on the read-outs. Attached is a sketch which shows the control used in the strip adjustments. All points were plotted on the Florida East Zone Plane Coordinate System using the Coradimat Plotter. Ratio prints of the area were ordered. The bridging work was completed in December 1971.

23 ADEQUACY OF CONTROL

Horizontal control was premarked and was adequate for bridging.

24 SUPPLEMENTAL DATA

USGS Topographic quadrangles were used to obtain vertical control for bridging.

25 PHOTOGRAPHY

The following 1:30,000 scale RC-8 color photography was used in bridging:

Strip 1 71E(c) 9497 through 9507
Strip 2 71E(c) 9511 through 9530

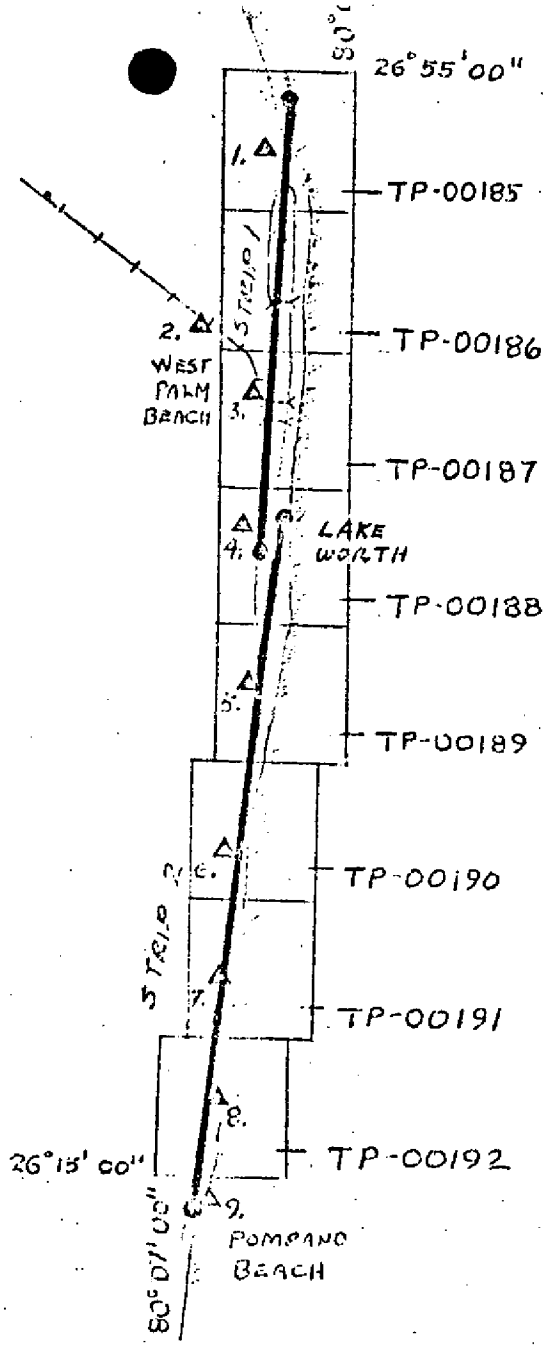
The quality and definition of the photography was adequate.

Respectively submitted,

Victor McNeel

Approved and forwarded:

John D. Perrow, Jr., Chief
Aerotriangulation Section



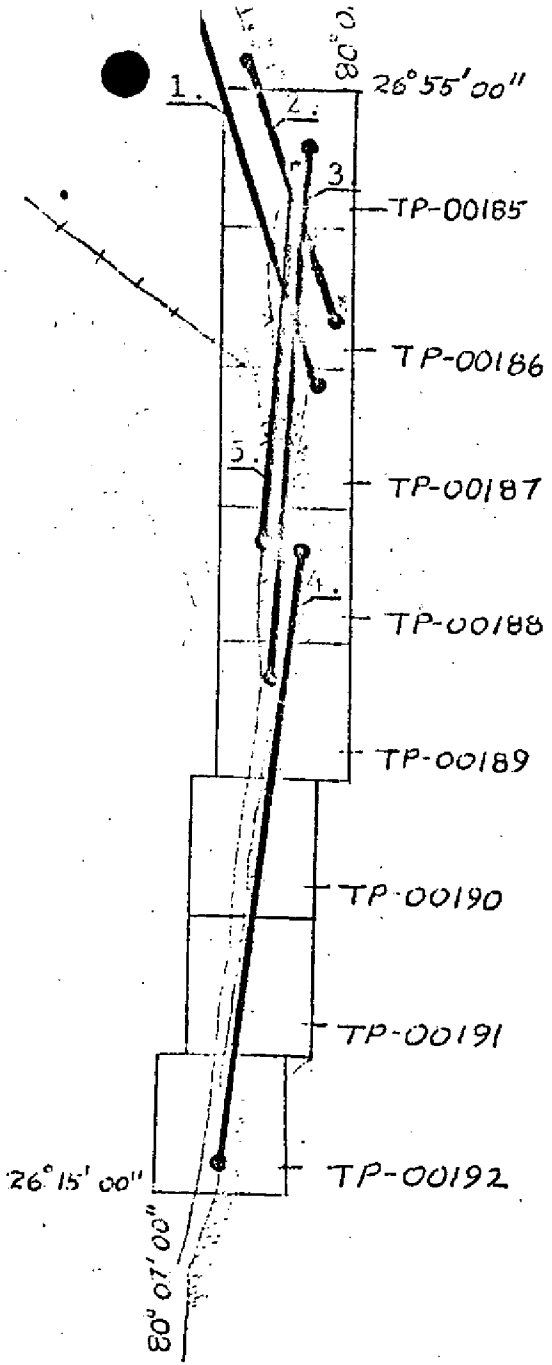
JOB FR-7010
JUPITER INLET TO HILLSBORO INLET
FLORIDA
SHORELINE MAPPING
SCALE 1:10,000

CONTROL

1. Golf 1934, RM 1
2. St. Marys S-2, (subpoint)
3. East 1924, (subpoint 1)
4. Police 1970, (subpoint A)
5. Delray North Base RM 2, 1933
6. Delray South Base 1934, RM 6 1970
7. Cloister 1929
8. Turtle 1929
9. Pompano 1923 (subpoint A)

▲ Horizontal control used in adjustment

● 1:30,000 scale photography



JOB PH-7010
JUPITER INLET TO HILLSBORO INLET
FLORIDA
COMPILATION PHOTOGRAPHY

1:25,000 SCALE INFRARED

1. 70L 6991R - 7003R MLW
2. 70L 7385R - 7394R MHW
3. 70L 7021R - 7056R MLW
4. 70L 7155R - 7176R MHW
5. 70L 7361R - 7373R MHW

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
JUNO, SEMINOLE GOLF CLUB WATER TANK, 1955	Write Director, National Geodetic Survey

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
G305	24.560	C&GS disk stamped G305 1970; about 30 yds. S of extended centerline of path leading E to beach, 41 ft. W centerline A1A.
H305	22.405	C&GS disk stamped H305 1970; 97 ft. N driveway centerline leading W thru Ocean Terrace Motel & Apts., 28 ft. W centerline A1A 2.4ft. NW of NE corner of large concrete power line pole No. 18DL
J305	17.451	C&GS disk stamped J305 1970; 39 ft. W centerline A1A, 3 ft. NE of NW corner of concrete powerline pole No. 16D23.
K305	20.069	C&GS disk stamped K305 1970; 118 ft. S centerline Pleasant Dr., 41 ft. W centerline S-bound lane U.S. Hwy. 1, 19 ft. N powerline pole No. 15D10.
M305	5.289	C&GS disk stamped M305 1970; 39.6 ft. NW of NW corner of bridge, 38 ft. N centerline A1A.
V305	4.501	C&GS disk stamped V305 1970; 94 ft. SW of and across hwy. from N one of 3 poles with guy wires, 35 ft. W centerline A1A.
JAX(PBC)	13.022	PB County disk stamped GOLF 2 S-2 1970 JAX FLA PB CO SUR DEPT. 111 ft. NW of NW corner of Satin Doll Beauty Salon, 34 ft. E centerline N-bound lane hwy., 2.5 ft. W of power pole.
GOLF RM 2	38.543	C&GS disk stamped GOLF NO 2 1934; set in top of E corner of concrete base which is 3 ft. sq. and 2 ft. high which supported leg of old water tank, 13.6 ft. NW of NW edge of concrete base for new water tank.

Compilation Report
TP-00185
January 1973

31. Delineation

The shoreline on this map, MHWL and MLWL, was compiled by graphic methods using tide-coordinated black and white infrared photography.

Control for the graphic compilation consisted of planimetric features and map points compiled from stereo models using the bridging color photography.

The color bridging photography was also used to interpret manmade shoreline and alongshore features.

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

32. Control: Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data: None.

34. Contours & Drainage

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

35 Shoreline and Alongshore Detail

The photography was adequate for the delineation and interpretation of the shoreline and alongshore details. There were no specific features or areas called to the attention of the field editor for verification.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks & Aids

One landmark was located and transferred to the manuscript from photo 71E9497. All aids to navigation will be located during field edit.

38. Control for Future Surveys - None.

39. Junctions

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

40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable.

46. Comparison with Existing Maps:

Comparison with existing maps was made with the following:

USGS Quadrangles Jupiter and Riviera Beach, Florida, scale 1:24,000, 1948, photorevised 1967.

No significant differences were noted.

47. Comparison with Nautical Charts:

Comparison was made with the following:

845-SC, scale 1:40,000, 11th Edition, dated July 1972.

No significant differences were noted.

Submitted by,

Charles Lewis

Approved and forwarded:

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

Field Edit Report, Map TP-00185, Job PH-7010

51. METHODS

The shoreline of the Atlantic Ocean was verified visually from roads leading to the shore and walking where necessary. The shoreline of the Intracoastal Waterway (Lake Worth Creek), Little Lake Worth and the northern part of Lake Worth was verified visually from a small boat while cruising just offshore. Notes regarding apparent and fast shoreline, piers and other alongshore structures were made on the rectified photographs.

The MLWL is based on the gages at North Palm Beach and Jupiter. The staff reading used are as follows: Jupiter; LW 0.61, HW 2.78 and at North Palm Beach; LW 0.56, HW 3.43. The MLWL as was delineated was good with only minor additions made. The LWL was verified on 4/5/73.

One landmark is recommended for charting. Form 76-40 is submitted. The landmark is a triangulation station.

Form 76-40 is also submitted for five non-floating aids. They were located by sextant cuts and are plotted on the field edit sheet with one private marker.

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

All known triangulation stations were searched for and reported on Form 526. Please check forms 526 for 1970 control not plotted on the manuscript.

State and Federal highway numbers are shown on the photographs.

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

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 4/9/73

Robert R. Wagner

Robert R. Wagner
Chief, Photo Party 60

Review Report
Coastal Zone Map TP-00185
July 1975

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

The map was reviewed in its Class I stage (field edit applied). The review consisted of an examination of:

1. The manuscript
2. The infrared photography
3. The application of field edit
4. The reproduction plates
5. The descriptive report

The proof copy of Coastal Zone Map TP-00185 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 USGS quadrangles:

Jupiter, Fla., 1948, photorevised 1967, scale 1:24,000
Riviera Beach, Fla., 1946, photorevised 1967, scale 1:24,000

No significant differences were noted during the comparison.

Comparison was made with the following Nautical Chart:

11472 (formerly 845-SC) 13th edition, dated August 31, 1974, scale 1:40,000

No significant differences were noted during the comparison.

63. thru 65. Inapplicable

66. Adequacy of Results and Future Surveys

This map complies with the project instructions for NOS Cooperative Coastal Boundary 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

June 26, 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7010(Florida)

TP-00185

Atlantic Ocean

Frenchmans Creek

Juno Beach

Lake Worth [illegible]

Lake Worth Creek

Little Lake Worth

Approved:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer - C51x2

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

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 7/74

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

JOB NUMBER: PH- 7010

STATE: Florida

SURVEY NUMBER: T - TP-00185

DATUM: N.A. 1927

POSITION

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

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M.METERS	LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
DYBN 18	Lake Worth Creek	26 54	59.18 1821.5	80 04	48.13 1328.1			P-4 3/29/73	NC 1248 SC-845
DYBN 19	" " "	26 54	43.91 1351.5	80 04	47.01 1297.0			"	"
DYBN 21	" " "	26 54	18.98 584.3	80 04	39.90 1101.1			"	"
DYBN 23	" " "	26 54	3 57.61 1773.2	80 04	29.93 825.9			"	"
DYBN 25	" " "	26 54	3 46.82 1441.0	80 04	29.71 820.0			"	"

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

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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

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

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

Immediately beneath the data described above, enter the following:

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

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

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

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

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

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

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 7/74

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

JOB NUMBER: PH- 7010

STATE: Florida

SURVEY NUMBER: T - TP-00185

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
TANK	JUNO SEMINOLE, GOLF CLUB WATER TANK, 1955 ht=133 (170)	26 51	58.81 1810.1	80 03	14.52 400.8			Triang. Rec. 3/23/73	N.C. 1248 SC-845

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

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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COMPILATION	Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.
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F – Field	P – Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
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3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

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

TP-00185
National Archives Data

1 Field edit sheet

1 Discrepancy Print

2 Forms 76-40

2 Pages sextant fixes

1 Tide data

2 Forms 76-36C

Photography:

70E5863
71E9497 and 9498