

original

TP-00187

TP-00187

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Coastal Boundary</u>	
Job No. <u>PH-7010</u>	Map No. <u>TP-00187</u> ...
Classification No. <u>Final</u>	Edition No. <u>1</u>
Field Edited Map	
LOCALITY	
State <u>Florida</u>	
General Locality <u>Palm Beach County</u>	
Locality <u>Palm Beach</u>	
.....	
1970 TO 1973	
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 ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Maryland		SURVEY TP <u>00187</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH7010</u>	
OFFICER-IN-CHARGE Commander Wesley V. Hull		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
General-Instructions-OFFICE-NOS Coop- erative Coastal Boundary Mapping, Job PH-7000, 6/19/73 OFFICE-Supplement I, 8/19/73 NOTE: Office and Field Edit Instr. 1973 incorporate applicable, prior opera- tional instructions. Office-Supplement II, 9/24/73		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: ☒ 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE <u>Florida</u> ZONE <u>East</u> STATE <u></u> ZONE <u></u>	
5. SCALE 1:10,000		STATE <u></u> ZONE <u></u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		V. McNeel Inapplicable	1/73
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		D. Phillips Inapplicable	4/72
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: CONTOURS BY SCALE: CHECKED BY		Inapplicable Inapplicable Inapplicable	Inapplicable Inapplicable Inapplicable
4. MANUSCRIPT DELINEATION PLANIMETRY BY Shoreline: Graphic CHECKED BY METHOD: CONTOURS BY Interior: Orthophoto mosaic CHECKED BY SCALE: 1:10,000 RECORD SUPPORT DATA BY CHECKED BY		C. Lewis J.P. Battley, Jr. Inapplicable J. Taylor J.P. Battley, Jr.	2/73 2/73 Inapplicable 9/72 9/72
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J.P. Battley, Jr.	2/73
6. APPLICATION OF FIELD EDIT DATA BY		P. Gibson	9/73
7. COMPILATION SECTION REVIEW BY		R. Rich	8/74
8. FINAL REVIEW BY		J.P. Battley, Jr.	10/74
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		D. Brant	11/74
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		D. Brant	7/75
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. CATOR	8/75

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

COMPILATION SOURCES

TP-00187

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 E&L cameras 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		ZONE	☒ STANDARD ☐ DAYLIGHT
☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				Eastern	
				60th & 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*71E(C)9502-9505	3/8/71	11:44	1:30,000	The stage of tide is inapplicable for the color photography.	
70L7362R-7367R	8/18/70	1147	1:25,000	Refer to the following page for tide information.	
70L7028R-7032R	8/15/70	1358	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.

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 mean low water line is the tide-controlled 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-00186	Atlantic Ocean	TP-00188	No contemporary Survey

REMARKS Final junctions were made in the Coastal Mapping Section.

TP-00187
TIDE INFORMATION

3

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
ATLANTIC SHORELINE			
70L7362R-7367R	Jupiter Inlet	+0.24MHW	
70L7028R-7032R	Jupiter Inlet	-0.55MLW*	
INTERIOR WATERS			
70L7362R-7367R	N. Palm Beach Lake Worth Boynton Beach Lake Worth	-0.05MHW +0.61MHW*	
70L7028R-7032R	N. Palm Beach Lake Worth Boynton Beach Lake Worth	-0.47MLW* +0.18MLW	
*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 & MLW lines. The horizontal positions 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-00187

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION *☒ FIELD EDIT OPERATION, May 1973

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.R. Wagner	4/2/73
2. HORIZONTAL CONTROL	RECOVERED BY R.R. Wagner ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY	4/2/73 =
3. VERTICAL CONTROL	RECOVERED BY R.R. Wagner ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY R.R. Wagner	3/26/73 3/26/73
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R.R. Wagner LOCATED (Field Methods) BY Inapplicable IDENTIFIED BY R.R. Wagner	4/2/73 4/2/73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☒ SPECIFIC NAMES ONLY BY R.R. Wagner ☐ NO INVESTIGATION	4/2/73
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. Wagner	4/17/73
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	71E9502 71E9503 71E9504	D310, S232, T34 U232, E233, V315 BMA16(USE), L233, Y96 REFERENCE NO2, BREAKERS

3. PHOTO NUMBERS (Clarification of details)

71E9502 thru 9505

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and non-floating aids were located or verified by photogrammetric methods.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71E9503	Radio Tower(atop of Harvey Bldg.)		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

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

RECORD OF SURVEY USE

TP-00187

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and along-shore areas 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	4 forms submitted as final report

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/9/753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

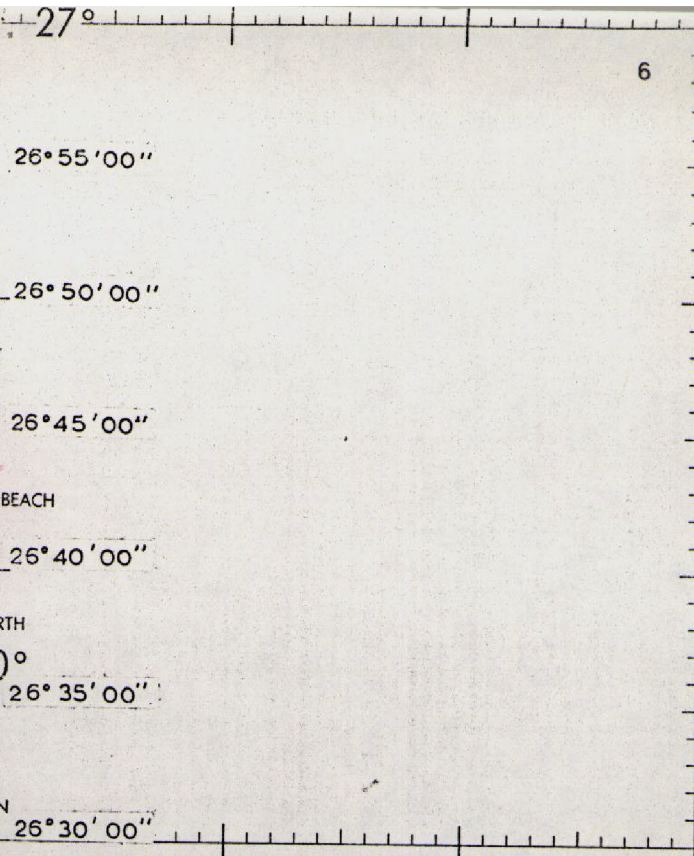
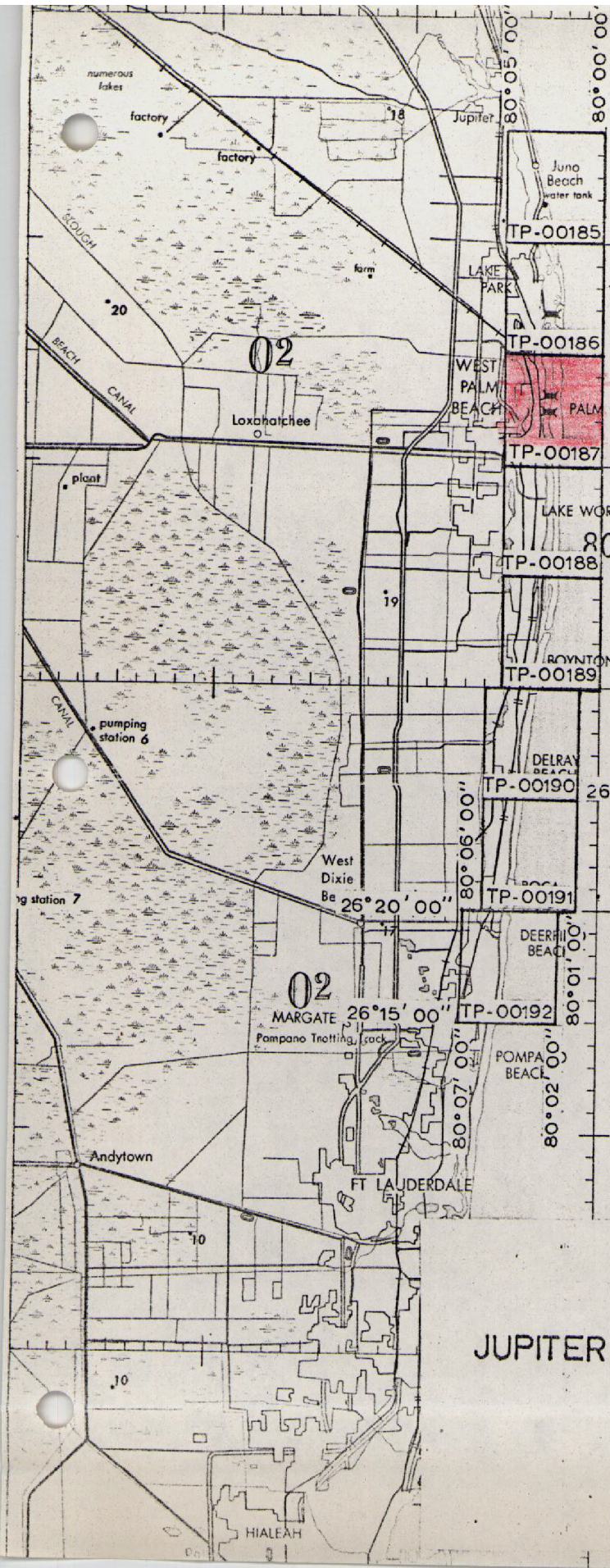
III. FEDERAL RECORDS CENTER DATA

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



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-00187

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-00187 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 fluorescent 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. triangle was placed on top of a nearby flat-roofed building approximately 10 feet high, which is a sub-station.

2.

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

3.

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 recorded while 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.

(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 within 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.

High-water photography, March 2.

(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.

5.

3. FORMSHORE 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 PCMPANO 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
Victor McNeel

Approved and forwarded:

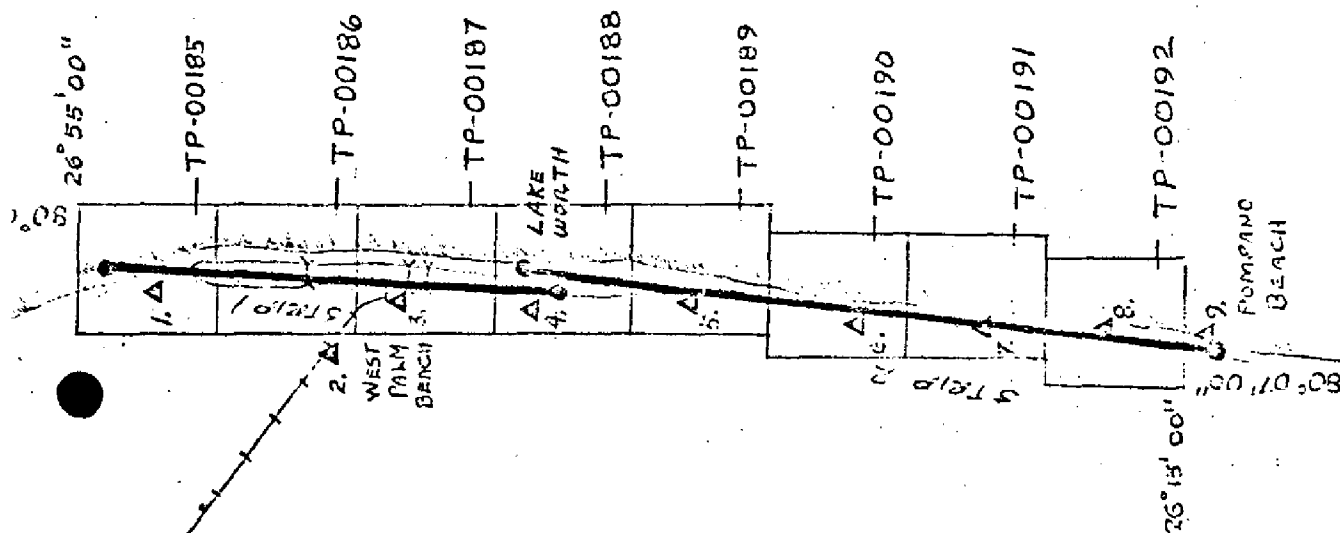
John D. Perrow, Jr.
John D. Perrow, Jr., Chief
Aerotriangulation Section

JOB FH-7910
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)

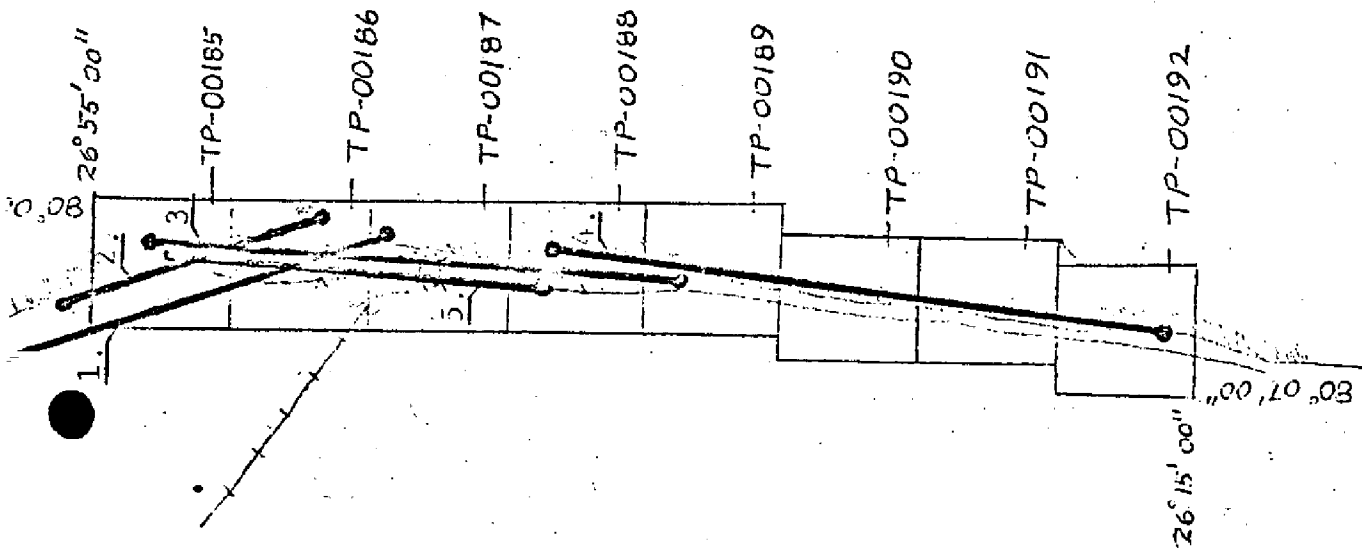
- ▲ Horizontal control used in adjustment
● 1:30,000 scale photography



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



FLORIDA- NOAA Coastal Boundary Mapping Program

17

Horizontal Control

Map TP- 00187

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
BATH AND TENNIS CLUB, NORTH CUPOLA, 1929	Book 421, P. 34, 58, G.P.-Fla., Vol. 1, P. 771, P.C. Fla. E Zone, P. 166
BREAKERS, 1929	Book 421, P. 18, 34, 45, 58, G.P.-Fla. Vol. 1, P. 769, P. C. Fla. E Zone, P. 165
FAST, 1924	Book 421, P. 19, 35, 53, 58, G.P.-Fla. Vol. 1, P. 182, P.C. Fla. E Zone, P. 47
HARVEY, 1934	Book 421, P. 18, 34, 58, G.P.-Fla. Vol. 1, P. 133, P.C. Fla. E Zone, P. 12
HOTEL BREAKERS, NORTH CUPOLA, FLAGSTAFF, 1929	Book 421, P. 38, 59, G.P.-Fla. Vol. 1, P. 746, P.C. Fla. E Zone, P. 163
BREAKERS HOTEL, SOUTH TOWER, FLAGPOLE, 1929	Book 421, P. 18, 34, 36, 38, 59, G.P.-Fla. Vol. 1, P. 162, P.C. Fla. E Zone, P. 22
WEST PALM BEACH SILVER STANDPIPE, 1934	Book 421, P. 36, 39, 52, 59, G.P.-Fla. Vol. 1, P. 183, P.C. Fla. E Zone, P. 47
HOTEL ALBA, CUPOLA, 1929	Book 421, P. 38, 47, 58, G.P.-Fla. Vol. 1, P. 747, P.C. Fla. E Zone, P. 163
HUTTONS CHIMNEY, 1929	Book 421, P. 34, 58, G.P.-Fla. Vol. 1, P. 771, P.C. Fla. E Zone, P. 166
MANGON, 1934	Book 421, P. 18, 34, 35, G.P.-Fla. Vol. 1, P. 161, P.C. Fla. E Zone, P. 21

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
T 34 ✓	19.386	C&GS disk stamped T 34 1933 19.485; 19.8 ft. W of W rail of W track, 11 ft. S-SE of power pole, 42 ft. S 36th St. centerline.
Y 96 ✓	14.655	C&GS disk stamped Y 96 1965; set in top of and at W end of S concrete abutment of bridge over ditch, 23.5 ft. S of Belvedere R. centerline.
S 232 ✓	20.600	C&GS disk stamped S 232 1965; set vertically in E face at NE corner of platform, 69 ft. W of and across 2 sets of tracks from W rail of S-bound track, 24.2 ft. S of SE corner of station.
U 232 ✓	17.474	C&GS disk stamped U 232 1965; 17.2 ft. SW of milepost 300, 20 ft. E of E curb of Alabama Ave., 3 ft. N of power line pole.
E 233 ✓	13.950	C&GS disk stamped E 233 1965; set in top of and at E end of S concrete guard rail base at E end of Royal Park Bridge over Lake Worth.
L 233 ✓	20.276	C&GS disk stamped L 233 1965; 1.2 ft. S of N end of pier, 8.5 ft. E or E rail of N-bound track.
D 310 ✓	14.895	C&GS disk stamped D 310 1970; set in top of 1-ft. ledge at W face of seawall, 38.4 ft. NE of rounded curb of Blvd., 1.7 ft. S of inside corner of 4-ft. jog in seawall.
BM A 16 ✓ (USE)	19.426	USE disk stamped BM A 16 1946; 13 ft. S of S curb of Clarendon Ave.
BREAKERS ✓	17.342	C&GS disk stamped BREAKERS 1929; 47.5 ft. SE corner of hotel, 18.5 ft. S of extended line of S side of hotel, 3.3 ft. above level of sidewalk.
F 310	3.009	*
V 315	3.166	*

*Description given under tidal bench marks.

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
G 310	6.952	*
W 315	4.071	*
X 315	4.577	*

* Description given under tidal bench marks.

Compilation Report
TP-00187

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 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 Details

Photography was adequate for the delineation of the mean high and mean low water lines.

Completeness and accuracy of the tidal datum lines will be verified during the field edit operation.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

The images of charted objects visible on the photography were located during compilation and will be verified by field edit. Objects not visible on the photography will be located by the field editor.

38. Control for Future Surveys - None

39. Junctions

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

40. Horizontal Accuracy

Coastal Zone Map TP-00187 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 was made with USGS quadrangle:

Palm Beach, Fla., scale 1:24,000, 1946, photorevised 1967.

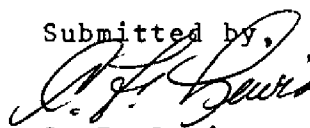
47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

SC-845, scale 1:40,000, 11th edition, dated July 1972;
NC-291, scale 1:10,000, 6th edition, dated March 1972;

No significant differences were noted.

Submitted by,



C. F. Lewis

Approved and forwarded:



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

Field Edit Report, Map TP-00187, Job PH-701051. METHODS

The shoreline of the Atlantic Ocean was verified visually by walking the entire shoreline. The shoreline of Lake Worth was verified visually from a small boat while cruising just offshore. Notes regarding apparent and "fast" shoreline, piers, groins and other shoreline structures were made on the rectified photographs.

Seven landmarks are recommended for charting. Form 76-40 is submitted. Six landmarks are triangulation stations. One was photo-identified.

Form 76-40 is also submitted for nonfloating aids. Sextant cuts were obtained for their locations.

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.

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.

The MLWL was verified using gages Palm Beach and West Palm Beach when the tide ranged from +0.1' to 0.3' above MLW. Small changes and additions to the compiled MLWL will be found on the field edit sheet.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No test required.

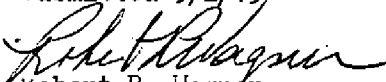
54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 5/1/73


Robert R. Wagner
Chief, Photo Party 60

GEOGRAPHIC NAME REPORT
TF-00187

The bridge over Lake Worth at approx 26°42'.3 and 80°02'.8 has a plat on the bridge house stating the name of the bridge as ROYAL PARK BRIDGE and not ROYAL PALM BRIDGE. It is recommended that ROYAL PARK BRIDGE be used.

REMARKS: Application of field edit for Map TP-00187

Incomplete cable crossing information was submitted by the field editor for the following cable crossings:

1. No cable crossing sign could be found on the west side of Lake Worth at Flagler Memorial Bridge.
2. No cable crossing sign could be found on the east side of Lake Worth at Royal Park Bridge.

Review Report
Coastal Zone Map TP-00187
July 1975

61. General

The map manuscript for Coastal Zone Map TP-00187 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-00187 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:

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

No significant differences were noted.

Comparison was made with the following Nautical Charts:

11472 (formerly 8450SC) 13th edition, Aug. 31, 1974, 1:40,000 scale;

291, 7th edition, Dec. 8, 1973, 1:10,000 scale.

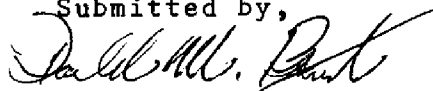
No significant differences were found during the comparison.

63. thru 65. Inapplicable

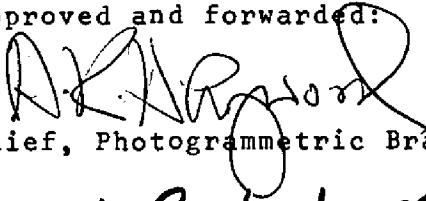
66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00187 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

July 1975

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-7010(Florida)

TP-00187

Atlantic Ocean	Palm Beach
Bingham Islands	Seaboard Coast Line (RR)
Clear Lake	Tarpon Island
Cloud Lake	West Palm Beach
Everglades Island	West Palm Beach Canal
Fisherman Island	
Florida East Coast (RR)	
Glen Ridge	
Lake Magonia	
Lake Worth	

Approved:


Chas. E. Harrington
Staff Geographer C51x2

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					
☒ TO BE CHARTED ☐ TO BE DELETED		Rockville, Maryland		3/28/75		☐ FIELD INSPECTION ☐ FIELD EDIT ☐ COMPILATION ☐ FINAL REVIEW ☒ QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)					
JOB NUMBER PH-7010		SURVEY NUMBER T-TP-00187		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			CHARTS AFFECTED		
STATE: Florida											
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT	
		°	'	°	'						
		METERS		METERS							
	LAKE NORTH INLET- HILLSBORO INLET LAKE NORTH SOUTH										
LIGHT 5		26	44	35.02	80 02	51.89				4/10/73 P.4	845-SC
DYBN 6		26	44	1078.0	80 02	1434.0				"	"
DYBN 7		26	44	34.66	80 02	53.89				"	"
DYBN 8		26	43	1067.0	80 02	1489.0				"	"
LIGHT 9		26	43	10.98	80 02	50.73				"	"
DYBN 10		26	43	338.0	80 02	1402.0				"	"
DYBN 1	WEST PALM BEACH PRIVATE MAINTAINED	26	43	47.82	80 02	51.92				"	"
DYBN 2	"	26	43	1472.0	80 02	1435.0				"	"
DYBN 3	"	26	43	24.36	80 02	48.73				"	"
		26	43	750.0	80 02	1347.0				"	"
		26	43	24.61	80 02	51.12				"	"
		26	43	757.5	80 02	1413.0				"	"
		26	42	56.89	80 02	51.51				"	"
		26	42	1751.0	80 02	1424.0				"	"
		26	42	59.16	80 02	51.84				"	"
		26	42	1821.0	80 02	1433.0				"	"
		26	42	57.08	80 02	53.12				"	"
		26	42	1757.0	80 02	1468.5				"	28

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
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. F. 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

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
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.#6

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 6A.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY				
☒ TO BE CHARTED ☐ TO BE DELETED		Rockville, Maryland		3/28/75		☐ FIELD INSPECTION ☐ FIELD EDIT ☐ COMPILATION ☐ FINAL REVIEW ☒ 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:		DATUM		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			CHARTS AFFECTED	
JOB NUMBER PH-	SURVEY NUMBER									
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION	FIELD EDIT	
		D.M.	METERS	D.M.	METERS					
DYBN 4	WEST PALM BEACH PRIVATE MAINTAINED	26	42	59.08	80 02	53.72			4/10/73 P.4	845-SC
LIGHT 12	LAKE WORTH SOUTH	26	42	53.61	80 02	1485.0			"	"
DYBN 14		26	42	32.49	80 02	1430.0			"	"
DYBN 16		26	41	41.54	80 02	1363.0			"	"
LIGHT 17		26	41	21.77	80 02	48.32			"	"
DYBN 18		26	41	21.90	80 02	50.49			"	"
DYBN 20		26	40	53.79	80 02	50.74			"	"
DYBN 22		26	40	5.63	80 02	1403.0			"	"
				173.5		1322.0				
										29

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

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]

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
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
	H.S. Jones	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

COMPIRATION

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

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	R. R. Wagner
2. Positions determined and/or verified	R. R. Wagner
3. Forms originated by Quality Control and Review Group and final review activities	H. S. Jones Copy checked after typing 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 — Enter 'Triang. Rec. mo/day/yr.'
- 3. Position Verified — Enter 'Verif. mo/day/yr.'

TP-00187
National Archives Data

1 Field edit sheet
1 Discrepancy Print
5 Forms 76-40
1 Page of sextant fixes
1 Page of tide data

Photography:

71E9502 - 9505