

Original

TP-00417

TP-00417

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-7113.....	Map No. TP-00417.....
Classification No. Final	Edition No.1.....
Field Edited Map	
LOCALITY	
State ..	Florida.....
General Locality ..	Borward Bountty.....
Locality ..	Wilton Mannor to Port.....
Everglades.....	
19 ₇₁ TO 19 ₇₃	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.							
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%; vertical-align: top;"> SURVEY TP-00417 MAP EDITION NO. () MAP CLASS FINAL JOB PH- 7113 </td> </tr> </table>		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	SURVEY TP-00417 MAP EDITION NO. () MAP CLASS FINAL JOB PH- 7113				
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PHOTOGRAMMETRIC OFFICE Rockville, Maryland OFFICER-IN-CHARGE Commander Wesley V. Hull		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEDING MAP EDITION </td> </tr> <tr> <td style="width: 50%; vertical-align: top;"> TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%; vertical-align: top;"> JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__		
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TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__								
I. INSTRUCTIONS DATED									
I. OFFICE General Instructions - OFFICE- NOS Cooperative Coastal Boundary Mapping, Job PH-7000, June 19, 1973. OFFICE- Supplement I, August 19, 1973 NOTE: Office and Field edit instructions (1973) incorporate applicable prior operational instructions. OFFICE - Supplement II, September 24, 1973		2. FIELD Aerial Photography 9/2/69 Supplement I 1/28/70 Supplement II 3/26/70 Supplement III 8/10/72 Field Edit (PH-7000, General Instructions for Florida Coastal Zone Mapping) 1973							
II. DATUMS									
1. HORIZONTAL: ☒ 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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> 4. GRID(S) </td> </tr> <tr> <td style="width: 50%;"> STATE Florida </td> <td style="width: 50%;"> ZONE East </td> </tr> <tr> <td> STATE </td> <td> ZONE </td> </tr> </table>		4. GRID(S)		STATE Florida	ZONE East	STATE	ZONE
4. GRID(S)									
STATE Florida	ZONE East								
STATE	ZONE								
5. SCALE 1:10,000									
III. HISTORY OF OFFICE OPERATIONS									
OPERATIONS		NAME	DATE						
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		V. McNeel	8/72						
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradi CHECKED BY		D. Phillips	8/72						
3. STEREOSCOPIC INSTRUMENT Aids and XXXXXXXX BY COMPILATION Landmarks CHECKED BY		P. Dempsey	5/73						
INSTRUMENT: B-8 SCALE: 1:10,000		C. Lewis	5/73						
4. MANUSCRIPT DELINEATION PLANIMETRY BY Shoreline: Graphic CHECKED BY Interior: Orthophoto Mosaic METHOD: CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		P. Dempsey J. Battley, Jr. J. Taylor J. Battley, Jr. Inapplicable	5/73 5/73 11/72 11/72 _____						
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J. Battley, Jr.	5/73						
6. APPLICATION OF FIELD EDIT DATA BY		C. Lewis	7/73						
CHECKED BY		J. Battley, Jr.	7/73						
7. COMPILATION SECTION REVIEW BY		J. Battley Jr.	8/73						
8. FINAL REVIEW BY		D. Brant	1/75						
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY									
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		D. Brant	10/75						
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. CATOR	2/77						

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

COMPILATION SOURCES

TP-00417

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 E, K & L 6" Focal Length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR		ZONE	☒ STANDARD
☐ PREDICTED TIDES		(P) PANCHROMATIC		Eastern	
☐ REFERENCE STATION RECORDS		(I) INFRARED B&W		MERIDIAN	☒ DAYLIGHT
☐ TIDE CONTROLLED PHOTOGRAPHY				60th & 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71E (c) 9127-9130	24 Feb 71		1:30,000	The Stage of Tide is inapplicable for the color photography.	
*73L (a) 2805R-2807R	5 Mar 73		1:30,000		
71K5637R - 5640R	24 Feb 71		1:30,000	Refer to the following page for tide information	
71K5755R - 5758R	24 Feb 71		1:30,000		

REMARKS

* This photography was used to update the compilation only.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHWL is the tide-coordinated black and white infrared photography listed in item I. 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 and 1973 color photography was used to update culture shoreline. See field edit 24 Feb 71E 9129 for any change in MHWL.

The map was field edited in 1973.

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

The source of the MLWL is the tide-coordinated black and white infrared photography listed under item I.

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-00416	Atlantic Ocean	TP-00418	No Contemporary Survey

REMARKS

Final junctions were made in the Coastal Mapping Section.

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - 00417

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
<u>ATLANTIC SHORELINE</u>			
71K5755R-5758R	HILLSBORO INLET, ATLANTIC OCEAN	-0.04 MHW	2.57
71K5637R-5640R	HILLSBORO INLET, ATLANTIC OCEAN	-0.17 MLW	
<u>INTERIOR WATERS</u>			
71K5755R-5758R	BAHIA MAR YACHT CLUB	-0.19 MHW	2.42
71K5637R-5640R	BAHIA MAR YACHT CLUB	+0.10 MLW	

REMARKS:

TP-00417

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION *☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY R.R. Wagner ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY Inapplicable	July 73
3. VERTICAL CONTROL	RECOVERED BY R.R. Wagner ESTABLISHED BY Inapplicable RECOVERED OR IDENTIFIED BY R.R. Wagner	May 73 July 73
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R.R. Wagner LOCATED (Field Methods) BY Inapplicable IDENTIFIED BY J. Di Mare	July 73 July 73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY Wagner & Jamerson	July 73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Refer to Field Report	71E9127	TIDAL 3, M 311 RESET 1970, N 311 RESET 1970
		71E9128	TIDAL 2, P 235, P 311, Q 311
		71E9129	TIDAL 4, R 235, T 235, G 311
		71E9130	TIDAL 2 RESET 1936, Y 235
		To be plotted: NORTH RANGE	

3. PHOTO NUMBERS (Clarification of details)

71E9127 thru 9130, 71K5640R, 73L2805, 73L2807

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and nonfloating aids were located or verified by
photogrammetric methods.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71E9129	Observation Tower Building (Pier 66)	71E9127	Mud lake Daybn 1
73L2805	Tower	71E9130	Approach Lt.
		73L2805	Range Rear Lt.
		73L2805	Range Front Lt.

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

7. SUPPLEMENTAL MAPS AND PLANS

Berths & Buildings Port Everglades

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

*Field Report bound in this Descriptive Report.
Sketch book pages.

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

RECORD OF SURVEY USE

TP-00417

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and Alongshore Details	May & June 1973			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
7	519 74	14 July 74	This map formed the base for New Chart 11470 along with TP-00418 and all forms were submitted with the new chart construction.

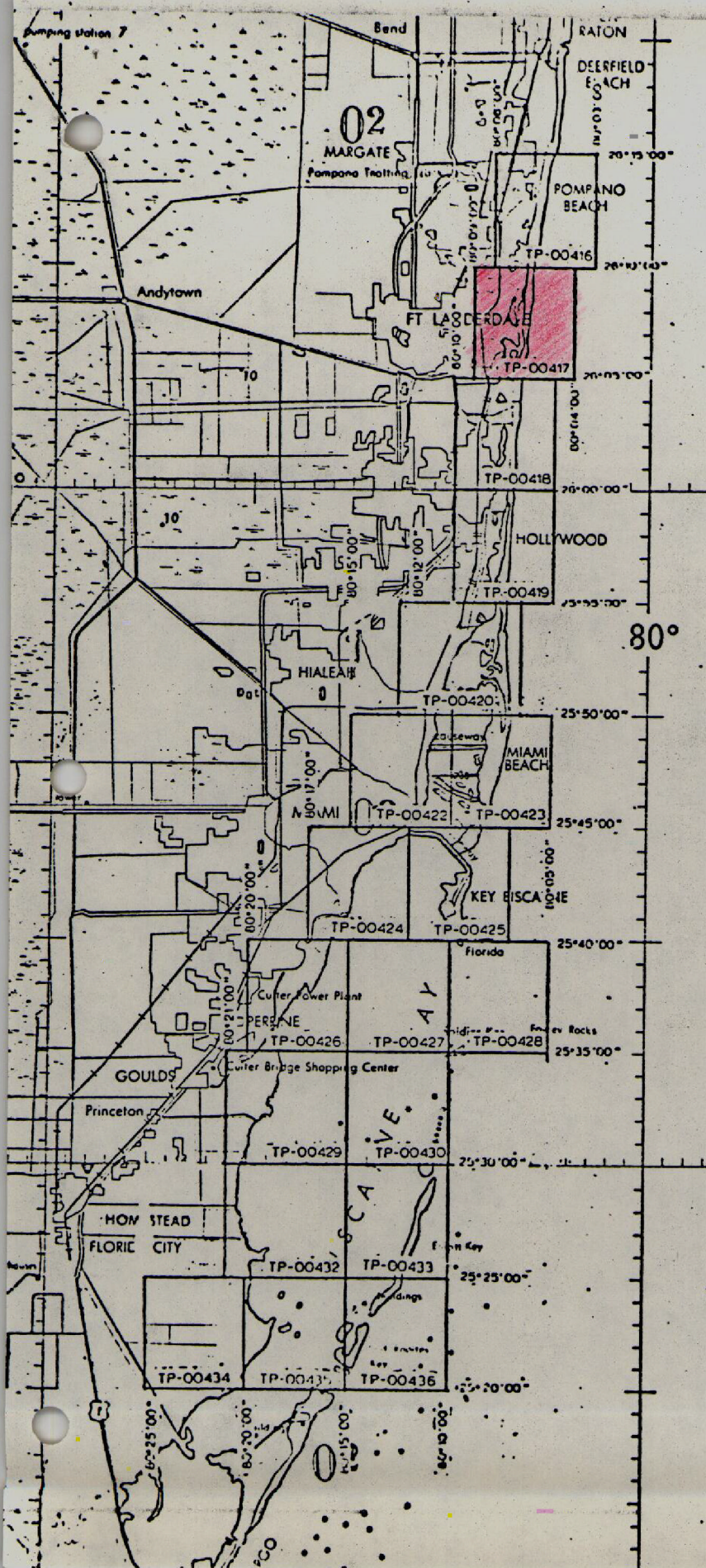
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 14 July 1974
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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

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

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ 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	



JOB PH-7113
HILLSBORO INLET to CARD SOUND
FLORIDA
SHORELINE MAPPING
SCALE 1:10,000

MILEAGE FOR COST ACCOUNTS

Sheet No.	Sa. Miles
TP-00416	3
<u>TP-00417</u>	3
TP-00418	3
TP-00419	8
TP-00420	10
TP-00422	4
TP-00423	6
TP-00424	4
TP-00425	6
TP-00426	4
TP-00427	1
TP-00428	1
TP-00429	4
TP-00430	1
TP-00432	4
TP-00433	3
TP-00434	1
TP-00435	5
TP-00436	5

Total 76

REVISED 5-1-75
Revised 7-11-74

SUMMARY
For
TP-00416 thru TP-00418

Coastal Zone Map TP-00417 is one of nineteen (19) 1:10,000 scale maps in Job PH-7113. Maps TP-00416 thru TP-00426 are published in three colors. The interior of these maps is shown with an orthophoto mosaic. Maps TP-00427 thru TP-00436 are mapped as shoreline maps and will not be published. The interior of these shoreline maps is limited to a narrow zone of planimetry usually back to and including the first road.

A layout of the maps (revised since the aerotriangulation operation) will show the location of the individual maps.

The maps are intended for planning purposes for the State of Florida and for the construction and maintenance of NOS Nautical Charts.

The area is covered by aerial photography taken in 1971 on color and black-and-white infrared film. The infrared film was tide-coordinated.

The field operations consisted of the following:

1. Premarking of horizontal control for aerotriangulation.
2. Establishment of tidal datums.
3. Field Edit

Horizontal control was extended by analytical aerotriangulation methods using the STK stereo comparator.

The shoreline and alongshore details were compiled on both types of maps from tide-coordinated, black-and-white infrared photography using a B-8 stereoplotter and/or graphic methods.

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

A registration copy of each type map is prepared. It shows additional offshore details such as shoal and shallow lines, useful to the Marine Chart Division, but not required on the Coastal Zone Maps. This copy of the map is labeled "Registration Copy" in the title block and will be registered in the NOS Archives.

The following items will be registered in the NOS Archives:

Published Map

1. A plastic copy of the published map.
2. A stable base positive copy of the Registration Copy.
3. A continuous tone negative of the orthophoto mosaic.
4. The Descriptive Report.

Shoreline Map

1. A stable base copy of Coastal Zone Map.
2. A stable base copy of the Registration Copy.
3. The Descriptive Report.

All negatives are filed in the Reproduction Division.

All field records such as field edit sheets, discrepancy prints, field edit data, foreshore profiles, and control 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. 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 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
Hillsboro Inlet to Card Sound, Florida
Job PH-7113
and
Card Sound to Plantation Key, Florida
Job PH-7119

21. Area Covered

This report covers an area on the east coast of Florida immediately south of Hillsboro Inlet to the southwestern end of Plantation Key. Job PH-7113 and Job PH-7119 are combined in this one report because the southern portion of Job PH-7113 is included in the block adjustment of Job PH-7119.

Job PH-7113 consists of twenty (20) 1:10,000 scale sheets: TP-00416 through TP-00420, and TP-00422 through TP-00436.

Job PH-7119 consists of twelve (12) 1:10,000 scale sheets: TP-00444 through TP-00455.

Subsequent to the initial bridging in this area, three small areas were re-bridged using new photography. The reports are attached:

- (1) Port Everglades, Florida
 - (2) Miami to Mangrove Point, Florida
 - (3) Hollywood to Miami Beach, Florida
- } Not applicable for TP-00417*

22. Method

Eleven (11) strips of photography were bridged using aerotriangulation methods. The points were made between strip No. 1 of PH-7113 and strip No. 2 of the Jupiter Inlet to Hillsboro Inlet, Florida report to the north of this area.

Due to the placement of control in relation to flight lines and due to large areas of water coverage, two block adjustments were made. Strip No. 2, No. 3, and No. 4 comprised one block. Strip No. 7, No. 9, No. 10, and No. 11 comprised the other block. Attached is a sketch showing the location of the strips and the blocks.

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. A sketch is attached which shows the control used in the strip and block adjustments. All points were plotted on the Florida East Zone Plane Coordinate System using the Coradomat Plotter or the Calcomp Plotter.

Ratio points were located on twenty-eight (28) strips of infrared contact prints. Additional ratio points were located on contact prints which have a large portion of water coverage so that they could be individually enlarged to scale. A sketch showing the location of the infrared photographs is attached.

23. Adequacy of Control

The control was adequate. Horizontal control was pre-marked on strip No. 1, No. 2, No. 3, No. 4, No. 5, and No. 6. Because of the placement of flight lines in relation to control, it was necessary to extend Strip No. 5 one model past its terminal control station in order to have an area of common coverage with strip No. 6. Tie points were located in this area and tie point 544801 was used as a terminal control point for strip No. 6.

Most of the horizontal control for Strip No. 7, No. 8, No. 9, No. 10, and No. 11 was pre-marked for color photography which was flown on August 4, 1971, and August 11, 1971. This photography was not used for bridging. The positions of the pre-marked control stations were transferred, using PUG methods, to color infrared photography which was flown on March 5, 1973, and March 18, 1973.

The following control station positions were transferred from photographs 71L(C)8370 through 71L(C)8382:

Irving 1971

Mangrove (USE) 1930 Sub Point A

Sands Cut RM2, 1849-1947 Sub station

The following control station positions were transferred from a roll of color photography which was not indexed (Spot No. 100-691A) LC-20:

Rubi, 1930-1948 Reset

Man, 1930

Angelfish Key RM3, 1853

Narrow Point, 1854

Long Sound 1961

Snipe Pt., 1934, substation

Knowlson, 1935, substation

Hull Key, 1852

Rock Harbor 2, 1961

Lower Sound Point, 1853 substation

Sub Station, Key Largo Cable Visions Inc., Taller Mast, 1961

Largo, 1962

Low 2, RM2, 1934

Planter 2, RM4

3

The following control station positions were transferred from photographs 72L(C)8691R thru 72L(C)8698R:

Tavernier 1935

Snake 1934 Sub. Sta.

Turkey Pt. 2, RM2 was transferred from photograph 71E(C)9595.

Cape Florida Old Tower Final Sub Station A was transferred from photograph 71E(C)9201.

Lower Sound Point 1853 sbu. station was not used in the adjustment because the field party advised that it was questionable and should be used with caution. Sub. station Key Largo Visions, Inc., Taller Mast, 1961, could not be used because one of its azimuth stations (Key Largo Cable Visions, Inc. Shorter Mast) appears to have a bad published position. To date, this has not been resolved by the Geodesy Division. Turkey Point 2, RM2 was a very poor point to transfer, and, therefore, it was not used as control in the block adjustment in that area.

Part-way through the compilation phase of this project, it was determined that the published control positions in the area of this report were in error approximately - 4 feet in X and -10 ft. in Y. Therefore, Strip No. 1, No. 2, No. 3, No. 4, No. 5, No. 6, and No. 8 are adjusted to the old published control positions. This area includes T-sheets TP-00416 through TP-00420 and TP-00422 through TP-00432.

Strip No. 7, No. 9, No. 10, and No. 11 are adjusted to new preliminary control positions which were furnished by Geodesy on May 29, 1974. Geodesy Division stated this preliminary control will be within one (1) foot of the final adjustment. They also said to base non-main scheme stations on the nearest main scheme stations. This was approved by the Coastal Mapping Division.

Since stations established in 1971 and later have positions which were determined by a different adjustment than stations which were established before 1971, it was necessary that the corrections for non-main scheme stations of 1971 and later be based on the new preliminary control of the nearest main scheme stations of 1971 and later. In like manner, pre-1971 non-main scheme stations are based on the amount of change of the nearest pre-1971 main scheme station.

The compiler was advised to make a graphic adjustment on TP-00430 so it will junction well with TP-00433. Also, TP-00432 should be graphically adjusted so it will junction well with TP-00433, TP-00434, and TP-00435.

listing of closures to control is included on an attached sheet of control stations. The station with the largest residual is Narrow Point 1854, with 1.808 feet in X and 1.267 feet in Y.

24. Supplemental Data

USGS Topographic Quadrangles and NOS Nautical Charts were used to obtain vertical control for bridging.

25. Photography

The following RC-8 color photography was used for bridging:

1:20,000 scale

Strip No. 4 71E(C)9201-9215
Strip No. 8 73L(C)2871-2884R
Strip No. 9 73L(C)2893-2924R

1:30,000 scale

Strip No. 1 71E(C)9120-9135
Strip No. 2 71E(C)9562-9574
Strip No. 3 71E(C)9576-9586
Strip No. 5 71E(C)9536-9545
Strip No. 6 71E(C)9588-9602

1:40,000 scale

Strip No. 7 73L(C)2935-2945R.
Strip No. 10 73L(C)2952-2968R
Strip No. 11 73L(C)2785-2797R

The quality and definition of the photography was adequate.

Respectfully submitted,

Victor McNeel
Victor McNeel

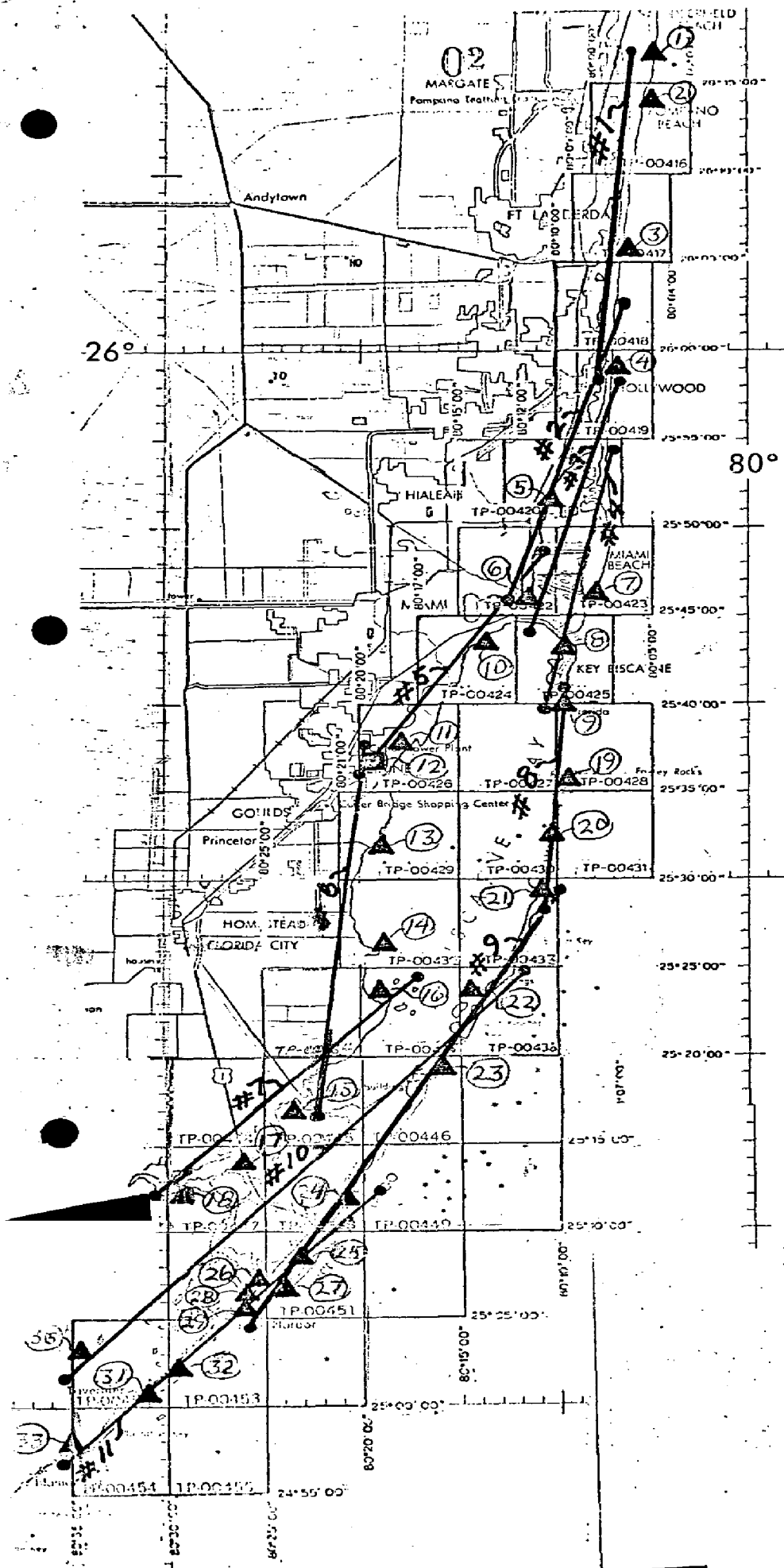
Approved and forwarded:

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

JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

CONTROL STATIONS
USED IN THE
ADJUSTMENTS



CONTROL STATIONS

			<u>residuals</u>	
1.	(027100)	Turtle 1929	-0.706	-0.115
2.	(023102)	Pompano, 1928, subpoint B	1.488	-0.229
3.	(029100)	South Jetty, 1938	-1.134	0.176
4.	(034101)	Halland, 1928	0.317	-0.007
5.	(567101)	Causeway, 1934	0.027	-0.012
6.	(562101)	Point View, 1934	0.000	-0.181
7.	(207100)	Base, 1934	0.112	0.142
8.	(204100)	Key Biscayne North Base, 1849	-0.158	0.033
9.	(201101)	Cape Florida Old Tower Finial, subpoint A	-0.156	0.002
10.	(538102)	Pan American, 1935, Target 2	0.000	0.000
11.	(534101)	Naco 1934, subpoint A	0.000	0.000
12.	(544801)	Tie point from strip #5 used as control for strip #6	-0.157	0.025
13.	(591100)	Black Point 3	0.351	-0.066
14.	(595101)	Turkey Point No. 2, 1930, RM No. 2	-0.229	0.073
15.	(940100)			
	(602100)	Narrow Point 1854	-1.808	1.267
16.	(944100)	Man 1930.	0.222	-0.009
17.	(960100)	Long Sound, 1961	-0.168	-0.075
18.	(936101)	Snipe Point, 1934, sub- station	-0.215	-0.201
19.	(878101)	Irving, 1971, substation	0.687	-0.080
20.	(875102)	Mangrove (USE), 1930, subpoint B	-0.826	0.125
21.	(872101)	Sands Cut RM 2, 1849-1947 substation	0.296	-0.049
22.	(901100)	Rubi, 1930-1947, reset	-0.192	-0.134
23.	(905101)	Angelfish Key RM 3, 1853	-0.303	-0.242
24.	(914101)	Knowlson, 1935 substation	0.153	-0.155
25.	(919100)	Hull Key, 1852	-0.053	0.103
26.	(922100)	Rock Harbor 2, 1961	0.364	-0.284
27.	(022101)	Lower Sound Point, 1853 substation **		
28.	(923101)	Sub Station Key Largo Cable Visions Inc., Taller Mast, 1961 **		
29.	(924100)	Largo, 1962	-0.210	0.103

30.	(967101)	Low 2, RM 2, 1934	0.042	0.215
31.	(692100)	Tavernier, 1935	0.308	-1.325
32.	(793101)	Planter 2, RM 4	-1.476	1.087
33.	(695101)	Snake, 1934, subpoint	0.128	0.174

** means not used in adjustments

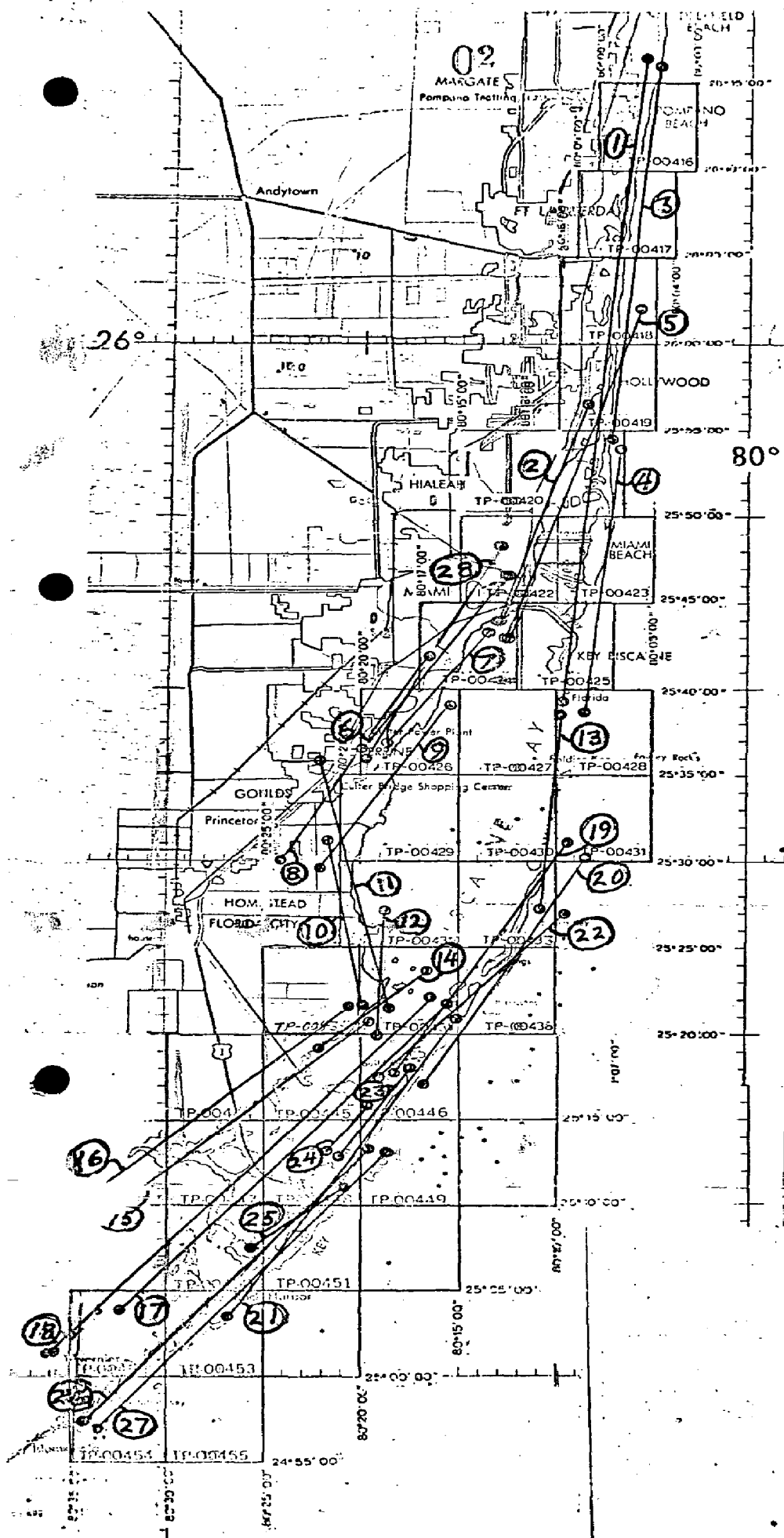
INFRA-RED CONTACT PRINTS

1. 71K 5632R - 5660R MLW
2. 71K 5662R - 5672R MLW
3. 71K 5750R - 5766R MHW
4. 71K 5795R - 5806R MHW
5. 71K 5815R - 5829R MHW
6. 71L 8501R - 8509R MLW
7. 71L 8512R - 8520R MLW
8. 71L 8571R - 8580R MHW
9. 71L 8523R - 8530R MLW
10. 71L 8783R - 8791R MHW
11. 71L 8584R - 8593R MHW
12. 71L 8532R - 8537R MLW
13. 71L 9067R - 9080R MLW
14. 71L 8337R - 8341R MHW
15. 72K 6287R - 6298R MHW
16. 72K 6572R - 6584R MLW
17. 72K 6546R - 6563R MLW
18. 72K 6311R - 6330R MHW
19. 71L 8544R - 8559R MLW
20. 71L 8648R - 8662R MLW
21. 72K 6480R - 6499R MHW
22. 71L 8697R - 8705R MHW
23. 72K 6344R - 6350R MLW
24. 72K 6253R - 6255R MLW
25. 72K 6420R - 6423R MHW
26. 72K 6501R - 6515R MHW
27. 72K 6368R - 6382R MLW
28. 71K 5847R - 5856R MHW

JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

INFRA-RED CONTACT
PRINTS RATIOED FOR
COMPILATION



Photogrammetric Plot Report
Port Everglades, Florida
August 1973

21. Area Covered

The area covered by this report is along the east coast of Florida at Port Everglades. This area is covered by two 1:10,000 scale sheets TP-00417, TP-00418 and Chart 546.

22. Method

One strip of 1:30,000 scale false color photography was bridged by aerotriangulation methods. The strip was controlled by six transferred pass points from 1971 color photography.

The attached sketch shows the flight line of the photography.

5 MAR 73 L(C) 2801R

26

△ 05100

26° 10' 00"

26° 08' 30"

05100

△

30° 05' 00"

03100

△

TP-00417

30° 10' 00"

CHART 546 26° 03' 00"

01110 △

01100 △

5 MAR 73 L(C) 2801R

○

△ 01120

TP-00418

25° 00' 00"

Horizontal Control

Map TP- 00417

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
FORT LAUDERDALE, GOVERNORS CLUB HOTEL, TOWER, 1955	Book 422, P.28, G.P.-Fla. Vol. 1, P.990, P.C. Fla. E. Zone, P.215
FORT LAUDERDALE, VICTORY PARK, WATER	Book 422, P.28, G.P.-Fla. Vol. 1, P. 990, P.C. Fla. E. Zone. P.215

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
M311 RESET 1970	4.024	C&GS disk stamped M311 RESET 1970; set in the NE corner of bulkhead.
N311 RESET 1970	11.012	C&GS disk stamped N311 RESET 1970; 60 ft. E of centerline of A1A, 16.5 ft. NE of a fire hydrant, 4.5 ft. E. of a 14-inch palm tree.
P311	12.776	C&GS disk stamped P311 1970; set in top of concrete retaining wall, 19.5 ft. W of the W curb of A1A, 15.5 ft. S. of the centerline of entrance drive to park.
Q311	11.785	C&GS disk stamped Q311, 1970; 72 ft. W of the centerline of S-bound lane of A1A, 20 ft. N. of street, 2 ft. S of S edge of sidewalk.
G311	11.644	C&GS disk stamped G311 1970; set on top of the S end of the E sidewalk of the bridge, 19.2 ft. E. of the centerline of Ocean Drive.
NORTH RANGE (USN)	8.911	C&GS triangulation disk stamped NORTH RANGE USN 1955; 19.2 ft. E of the NE corner of bldg., 38.7 ft. S of S edge of bulkhead, 76 ft. N. of NE leg of lookout tower.
P235	7.634	C&GS disk stamped P235 1965; 77 ft. N of centerline of Blvd., 29.4 ft. NW from NW rail of S-bound track, 2.9 ft. W of W corner of battery well for RR signal.
R235	8.642	C&GS disk stamped R235 1965, 69 ft. N of extended centerline of street, 23.2 ft. W of W rail of S-bound track, 2.5 ft. S of a power pole.
Port Everglades, Tidal 3 RESET 1936	6.942	*
Port Everglades, Tidal 4	5.528	*

* Description given under Tidal Bench Marks.

FLORIDA - NOAA Coastal Boundary Mapping Program

Vertical Control - Geodetic

Map TP-00417²⁹

Page 2 of 2

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
F239	9.701	*
H311	8.898	*
J311	9.655	*
ANDREWS AVE. BRIDGE, TIDAL 4	4.839	*
ANDREWS AVE. BRIDGE TIDAL 5	3.753	*
T235	5.000	*
Z315	5.026	*
Z315X	11.585	*
BAHIA MAR, TIDAL 1	5.033	*
BAHIA MAR, TIDAL 2	6.253	*
BAHIA MAR, TIDAL 3	8.481	*
BAHIA MAR, TIDAL 4	4.596	*
N314	5.236	*
Y315	5.171	*

*Description given under Tidal Bench Marks.

31. Delineation

The shoreline on this map, MHWL and MLWL were 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 and Drainage

Contours for this map are inapplicable. The drainage is depicted by the orthophoto mosaic.

35. Shoreline and Alongshore Details

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. There were numerous private docks too difficult to detail at 1:10,000, which were not delineated in agreement with Nautical Chart Division.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

Five landmarks and some landmark buildings were plotted from the B-8 stereoplotter using the color bridging photography. Also, thirty-seven aids to navigation were dropped from these same models. (see Form 76-40 of Descriptive Report). All landmarks and aids to navigation will be checked or relocated during field edit along with any new aids or landmarks which will be located by the field editor.

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.

Comparisons were made with the following existing USGS Quad maps at a scale of 1:24,000:

Port Everglades, Florida 1962. Photorevised 1969.

Pompano Beach, Florida 1962. Photorevised 1969.

Fort Lauderdale South, Florida 1962. Photorevised 1969.

Fort Lauderdale North, Florida 1962. Photorevised 1969.

There were no significant differences noted during the comparisons.

47. Comparison with Nautical Charts:

A comparison was made with the following Charts:

847-SC 11th Edition, dated August 1972 at 1:40,000

1248 14th Edition, dated October 1972 at 1:80,000

546 14th Edition, dated October 1972 at 1:5,000

Items to be applied to Nautical Charts immediately: None

Items to be carried forward: None

Respectfully submitted



Field Edit Report, MAP TP-00417, Job PH-711351. METHODS

The shoreline of the Atlantic Ocean, Intracoastal Waterway and the canals were verified visually from a small boat while cruising just offshore. Notes regarding apparent and fast shoreline, piers, groins and other shoreline features were made on the rectified photographs.

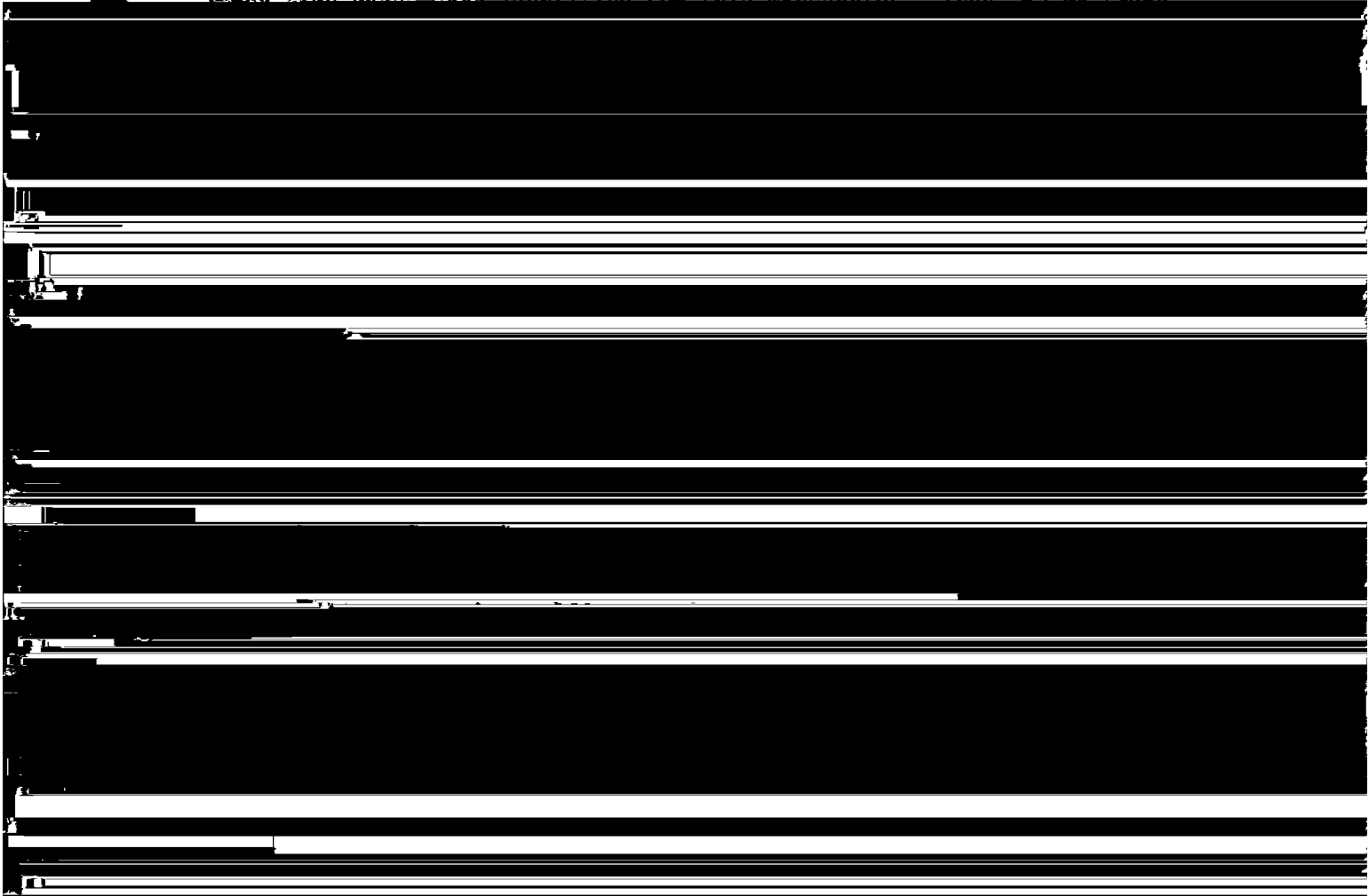
Eleven landmarks are recommended for charting. Five landmarks are triangulation, three were office identified and verified in the field and three were pricked on the photographs. Forms 76-40 are submitted.

Five charted landmarks are recommended for deletion. Some of the objects have been removed and others are no longer landmark values. Forms 76-40 are submitted.

One FL R LT on chart 546 is no longer in place and is recommended for deletion. Form 76-40 is submitted.

Forty-three nonfloating aids are submitted for charting. Forms 76-40 are submitted.

Three tide gauges were identified for this manuscript. They may be found



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 8/8/73

Robert R. Wagner
Robert R. Wagner
Chief, Photo Party 60

Review Report
Coastal Zone Map TP-00417
December 1976

61. General

The map manuscript for Coastal Zone Map TP-00417 was inspected in its Class III stage prior to field edit. This inspection comprised of an examination of the Class III manuscript, photography, discrepancy print, and Descriptive Report ,(partial).

The review for this map consisted of an examination of the Class I manuscript, the field edit, and its application, the reproduction negatives, and the Descriptive Report.

The proof copy 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

The map manuscript for Coastal Zone Map TP-00417 was used as a base for the construction of chart 11470 (formerly 546). The interior of chart 11470 is depicted by an orthophoto mosaic constructed from 1973 color infrared, aerial photography.

The 1973 color infrared photography was used to update culture shoreline on TP-00417.

The profiles within the limits of maps TP-00417 and TP-00418 verified the interpretation of the photography for the delineation of the tidal datum lines.

62. Cartographic Comparison

Comparison was made with the following USGS quadrangles:

Pompano Beach, Florida, 1962, photorevised 1969,
Scale 1:24,000.
Fort Lauderdale North, Florida, 1962, photorevised 1969,
Scale 1:24,000.
Port Everglades, Florida, 1962, photorevised 1969,
Scale 1:24,000.

No significant differences were found.

Comparison was made with the following Nautical Charts:

- 11467 (formerly 847-SC) 13th Edition, dated September 1964, 1:40,000 scale.
- 11470 (formerly C&GS 546) 16th Edition, dated August 1974, 1:10,000 scale.

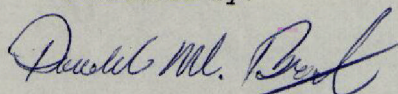
The following differences were found:

1. Chart 11470 shows a rock awash in Sunset Lake, north of latitude 25°07'. This area was investigated by the field editor in 1973. No rock awash was found. A copy of the field editor's note is shown on the chart maintenance print.
2. Numerous dolphins are shown on Chart 11470 in the vicinity of Turning Basin at Port Everglades Inlet. These dolphins were not located during the field edit operation of 1973 and are not shown on Coastal Zone Map TP-00417.
63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

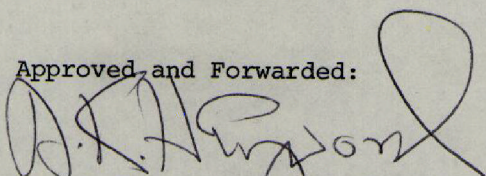
Coastal Zone Map TP-00417 complies with the instructions for NOS Cooperative Coastal Boundary Mapping, Job PH-7000, and the National Standards of Map Accuracy.

Submitted by:

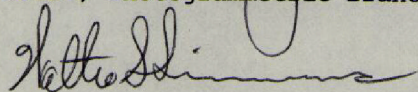


Donald M. Brant

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

FINAL NAME SHEETS

DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR ~~LANDMARKS~~ FOR CHARTS

[illegible]

ckville, Maryland

DATE _____

7/73

ed from seaward to determine their value as landmarks :

NUMBER	DATUM	N.A. 1927				METHOD AND DATE OF LOCATION (See instructions on reverse of this form)				CHARTS AFFECTED
		POSITION				FIELD INSPECTION	COMPILATION	FIELD EDIT		
		LATITUDE	LONGITUDE	D.F. METERS	D.F. METERS					
117		° /	° /	D.F. METERS	D.F. METERS					
	26 09	20.25	80 06	19.31	536.32			72E9127 P.1 7/23/73	847=SC	
	26 08	623.17	80 06	27.02	750.54			P.3 7/23/73	"	
	26 07	35.74	80 06	34.70	963.98			Verif. 7/23/73	"	
	26 07	1099.85	80 06	26.30	730.65			Verif. 7/23/73	"	
	26 07	44.85	80 06	30.58	849.58			Verif. 7/23/73	"	
	26 07	1380.20	80 06	34.63	962.10			Verif. 7/23/73	"	
	26 07	32.31	80 06	35.11	975.5			P.3 7/23/73	847-SC 546	
	26 07	994.30	80 06	37.32	1036.93			Verif. 7/23/73	"	
	26 07	21.18	80 06	39.21	1089.44			Verif. 7/23/73	"	
	26 07	651.79	80 06							
	26 07	19.09	80 06							
	26 07	587.47	80 06							
	26 06	48.76	80 06							
	26 06	1500.52	80 06							
	26 06	38.39	80 06							
	26 06	1181.40	80 06							
	26 06	40.44	80 06							
	26 06	1244.49	80 06							

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	R. Wagner R. Wagner
2. Positions determined and/or verified	FIELD INSPECTOR ☒ FIELD EDITOR
	FIELD INSPECTOR R. Wagner
	FIELD EDITOR H.S. Jones
3. Forms originated by Quality Control and Review Group and final review activities	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

COMPILATION

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

FIELD INSPECTION AND

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

FIELD EDIT

F - Field

P - Photogrammetric

EXAMPLES:

- | | | |
|------------------|---------------------|--------|
| 1. Triangulation | 1. Field identified | F. 3.c |
| 2. Traverse | 2. Theodolite | |
| 3. Intersection | 3. Planetable | |
| 4. Resection | 4. Sextant | P. 2 |
| a. Theodolite | | |
| b. Planetable | | |
| c. Sextant | | |

Immediately beneath the data described above, enter the following:

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.'

NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.										U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY			
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										DATE										☐ 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 7/73			
The following objects have (have not) been inspected from seaward to determine their value as landmarks:										METHOD AND DATE OF LOCATION (See instructions on reverse of this form)										CHARTS AFFECTED			
JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		LONGITUDE		LATITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT		CHARTS AFFECTED					
PH-7113		T-TP-00417				N.A. 1927																	
STATE: Florida		DESCRIPTION		0 /		0 /		0 /		0 /		0 /		0 /		0 /		0 /					
LT 16			New River Sound	26	06	39.73	80	06	50.56	71E9129		Verif.	7/25/73	847SC									
JUNCTION																							
DYBN A				26	06	40.62	80	07	58.03														
						1250.02	80	07	1612.35														
APPROACH				26	06	44.69	80	07	08.04	71E9129		Verif.	7/23/73	"									
DYBN 1-A New River						1375.27	80	07	223.30														
DYBN 1				26	06	48.09	80	07	12.54	71E9129		Verif.	7/23/73	"									
						1479.90	80	07	348.41														
LT 2				26	06	49.22	80	07	11.60	71E9129		Verif.	7/23/73	"									
						1514.68	80	07	322.3														
DYBN 3				26	06	50.17	80	07	18.36	71E9129		Verif.	7/23/73	"									
						1543.91	80	07	510.12														
DYBN 4				26	06	53.28	80	07	27.36	71E9129		Verif.	7/23/73	"									
						1639.62	80	07	760.17														
LT 5				26	06	54.01	80	07	34.77														
						1662.08	80	07	966.04														
DYBN 6				26	06	55.73	80	07	35.40	71E9129		Verif.	7/23/73	"									
						1715.01	80	07	983.54														
DYBN 7				26	07	58.11	80	07	42.51	71E9129		Verif.	7/23/73	"									
						1788.36	80	07	1181.08														

RESPONSIBLE PERSONNEL			
TYPE OF ACTION	NAME	TITLE	
1. Objects inspected from seaward	R. W. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR	
2. Positions determined and/or verified	R. Wagner	FIELD INSPECTOR	
	R. Wagner	FIELD EDITOR	
	H.S. Jones.	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities		☐ 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

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

AND

FIELD EDIT

F — Field

P — Photogrammetric

EXAMPLES:

- | | | |
|------------------|---------------------|--------|
| 1. Triangulation | 1. Field identified | F. 3.c |
| 2. Traverse | 2. Theodolite | |
| 3. Intersection | 3. Planetable | |
| 4. Resection | 4. Sextant | P. 2 |
| a. Theodolite | | |
| b. Planetable | | |
| c. Sextant | | |

Immediately beneath the data described above, enter the following:

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

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

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

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

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			
☒ TO BE CHARTED ☐ TO BE DELETED		ORIGINATING LOCATION		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		FIELD INSPECTION		FIELD EDIT		CHARTS AFFECTED	
☒ TO BE CHARTED ☐ TO BE DELETED		Rockville, Maryland		7/73									
The following objects have (have not) been inspected from seaward to determine their value as landmarks:													
JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		LONGITUDE		FIELD INSPECTION		COMPILED	
PH- 7113		T -		N.A. 1927		LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILED	
STATE: Florida		TP-00417				D.M. METERS		D.P. METERS		FIELD INSPECTION		COMPILED	
CHARTING NAME	DESCRIPTION												
DYBN 8	New River	26 06	56.91	80 07	47.05							P.3 7/19/73	847-SC 546
DYBN 17	New River Sound	26 06	1751.33	80 07	1307.22							Verif. 7/23/73	"
LT 18		26 06	38.93	80 07	00.46							P.4 7/25/73	"
DYBN 19	Stranahan River	26 06	1198.02	80 07	12.78							Verif. 7/23/73	"
LT 20		26 06	40.86	80 07	2.93							Verif. 7/23/73	"
APPROACH DYBN 20A	New River	26 06	1257.41	80 07	81.41							Verif. 7/23/73	"
DYBN 21	Stranahan River	26 06	37.40	80 07	05.94							Verif. 7/23/73	"
DYBN 22		26 06	1150.93	80 07	165.04							Verif. 7/23/73	"
DYBN 23		26 06	37.76	80 07	11.02							Verif. 7/23/73	"
LT 24		26 06	1162.01	80 07	306.19							Verif. 7/23/73	"
See "To BE DELETED FORM"													
DYBN 21	Stranahan River	26 06	34.60	80 07	10.07							P.419 7/23/73	847-SC 546
DYBN 22		26 06	1064.77	80 07	279.80							Verif. 7/23/73	"
DYBN 23		26 06	32.71	80 07	14.77							Verif. 7/23/73	"
LT 24		26 06	1006.60	80 07	410.39							Verif. 7/23/73	"
		26 06	31.59	80 07	11.97							Verif. 7/23/73	"
		26 06	975.22	80 07	332.59							Verif. 7/23/73	"
		26 06	27.13	80 07	16.01							Verif. 7/23/73	"
		26 06	834.89	80 07	444.85							Verif. 7/23/73	"

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	R. Wagner
2. Positions determined and/or verified	T. Wagner
	R. Wagner
	H.S. Jones
3. Forms originated by Quality Control and Review Group and final review activities	

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION'

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

COLUMN TITLE

COMPILATION

FIELD INSPECTION
AND
FIELD EDIT

Applicable to office identified and located object identify the object.

1. New Position Determined—Enter the applicable data by

F—Field

1. Triangulation

2. Traverse

3. Intersection

4. Resection

a. Theodolite

b. Planetable

c. Sextant

Immediately beneath the data described above, enter the

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

b. For 'Photogrammetric Positions' enter the date of field inspection. If the object was used in locating the object or the object was identified by

2. Triangulation Station Recovered — Enter 'Triang. Rec.

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

NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				NONFLOATING AIDS OR LANDMARKS FOR CHARTS		ORIGINATING ACTIVITY ☐ 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 7/73					
The following objects have (have not) been inspected from seaward to determine their value as landmarks:									
JOB NUMBER PH-7113	SURVEY NUMBER T-TP-00417	DATUM N.A. 1927		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		FIELD INSPECTION	COMPILATION	FIELD EDIT	
		0 /	0 /	0 /	0 /				
		D-METERS	D-METERS	D-METERS	D-METERS				
DYBN 25	Stranahan River	26 04	24.98	80 07	13.43			P.4 7/24/73	847-SC 546
DYBN 26		26 06	768.72	80 07	373.16		71E9129	Verif. 7/23/73	"
LT 27		26 06	20.44	80 07	14.63		71E9129	Verif. 7/23/73	"
PIER 66 MARINA DYBN 3		26 06	629.01	80 07	406.51		71	P.-4 7/17/73	"
LT 29		26 06	12.11	80 07	09.66		71E9129	Verif. 7/23/73	"
LT 14	Port Everglades Turning Basin	26 05	372.67	80 07	268.42		71	P.-4 7/17/73	"
LT 12	Port Everglades	26 05	09.72	80 07	05.72		71E9129	Verif. 7/23/73	"
APPROACH LT		26 05	299.12	80 07	158.94			P.4 7/31/73	"
ENTRANCE RANGE FRONT LT.		26 05	46.69	80 07	02.45		71E9130	Verif. 7/23/73	"
ENTRANCE RANGE REAR LT.		26 05	1436.82	80 06	68.08			P.4 7/31/73	"
		26 05	39.92	80 07	00.02			Verif. 7/23/73	"
		26 05	1228.48	80 06	00.56		71E9130	Verif. 7/23/73	"
		26 05	37.54	80 06	53.40			P.1 71E9130 7/23/73	847SC 1248 546
		26 05	1155.24	80 06	1483.93			P.1 71E9130 7/23/73	"
		26 05	43.94	80 06	23.13			P.1 73L2805 7/23/73	"
		26 05	1352.19	80 07	642.75			P.1 73L2805 7/23/73	"
		26 05	34.48	80 07	27.09			P.1 73L2805 7/23/73	"
		26 05	1061.07	80 07	752.81			P.1 73L2805 7/23/73	"
		26 05	34.25	80 07	57.25			P.1 73L2805 7/23/73	"
		26 05	1053.99	80 07	1590.92			P.1 73L2805 7/23/73	"

RESPONSIBLE PERSONNEL			
TYPE OF ACTION	NAME	TITLE	
1. Objects inspected from seaward	R. Wagner	☐ FIELD INSPECTOR	☒ FIELD EDITOR
2. Positions determined and/or verified	R. Wagner	FIELD INSPECTOR	
	R. Wagner	FIELD EDITOR	
	H.S. Jones	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities		☐ 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

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

AND

FIELD EDIT

F - Field

P - Photogrammetric

EXAMPLES:

- | | | |
|------------------|---------------------|--------|
| 1. Triangulation | 1. Field identified | F. 3.c |
| 2. Traverse | 2. Theodolite | |
| 3. Intersection | 3. Planetable | |
| 4. Resection | 4. Sextant | P. 2 |
| a. Theodolite | | |
| b. Planetable | | |
| c. Sextant | | |

Immediately beneath the data described above, enter the following:

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

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph

was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

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

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

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	R. Wagner
2. Positions determined and/or verified	R. Wagner
	R. Wagner
	H. S. Jones
3. Forms originated by Quality Control and Review Group and final review activities	

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 identify the object.

FIELD INSPECTION

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

AND

FIELD EDIT

F — Field

P — Photogrammetric

- | | |
|------------------|---------------------|
| 1. Triangulation | 1. Field identified |
| 2. Traverse | 2. Theodolite |
| 3. Intersection | 3. Planetable |
| 4. Resection | 4. Sextant |

- 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

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

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

NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.										U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY					
NONEXISTING AIDS OR LANDMARKS FOR CHARTS										DATE										FIELD INSPECTION		FIELD EDIT			
TO BE CHARTED ☒ TO BE DELETED ☐										Photo Party 60, Port Everglades, Fla.										☒ COMPILATION		☐ FINAL REVIEW		☐ QUALITY CONTROL AND REVIEW	
The following objects have (have not) been inspected from seaward to determine their value as landmarks:										METHOD AND DATE OF LOCATION (See instructions on reverse of this form)										CHARTS AFFECTED					
JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT		CHARTS AFFECTED									
PH-7113		T-TP-00417		N.A. 1927		LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT		CHARTS AFFECTED									
CHARTING NAME		DESCRIPTION		DATE		LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION		FIELD EDIT		CHARTS AFFECTED									
TANK	FORT LAUDERDALE SUNRISE BLVD. MUN. TANK, 1971 ht=155(162)	26 08	12.54	80 00 07	22.56										Triang. Rec. 7/25/73	847-SC 1248									
TANK	FORT LAUDERDALE VICTORY PARK WATER TANK, 1955 ht=140(146)	26 07	21.56	80 07	29.43										"	"									
TANK	FORT LAUDERDALE BEACH WATER TANK, 1955 ht=123(132)	26 06	56.56	80 06	20.17										"	847-SC 1248 546									
OBSERVATION TOWER	Ocean World Observation Tower Ht=177(182)	26 06	5.46	80 07	25.83										P.1 71E9129 7/25/73	"									
BUILDING	Pier 66 Building ht=259(265)	26 06	04.05	80 06	52.98										"	"									
STACK	PORT EVERGLADES FLA POWER & LIGHT STACK, 1971 ht=344(358)	26 05	07.42	80 07	35.88										Triang. Rec. 7/25/73	"									
STACK	PORT EVERGLADES FLA POWER & LIGHT STACK ht=344(358)	26 05	07.53	80 07	33.97										Verif. 7/25/73	"									
STACK	"	26 05	07.65	80 07	32.24										"	"									
STACK	"	26 05	07.71	80 07	30.88										"	"									
STACK	"	26 05	237.26		858.18																				

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	☐ FIELD INSPECTOR ☐ FIELD EDITOR
2. Positions determined and/or verified	FIELD INSPECTOR
3. Forms originated by Quality Control and Review Group and final review activities	FIELD EDITOR 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

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

FIELD INSPECTION AND FIELD EDIT

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

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

Immediately beneath the data described above, enter the following:

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

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

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

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

1. Object's i

2. Positions

3. Forms ori Review G

NOTE: '1
'1

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AND
FIELD ED



[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	R. Wagner
2. Positions determined and/or verified	R. Wagner
3. Forms originated by Quality Control and Review Group and final review activities	P. Dempsey

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
2. Traverse
3. Intersection
4. Resection

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

1. F. 3.c
2. P. 2

ENTER
()

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-00417
National Archives Data

- 1 Field edit sheet (stable base copy)
- 1 3Plane table sheet (stable base copy)
- 1 Discrepancy Print (paper copy)
- 8 Forms 76-40

Photography:

71E(C)9127 thru 9130
71K5640R
73L(C)2805 thru 2807