Original

TP-00418

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-00418

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State Florida

General Locality Broward County

Locality Fort Lauderdale South to Hollywood

1971 TO 1973

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

TP-00418

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

SURVEY TP-00418

MAP EDITION NO. 11

MAP CLASS Final

JOB PH-7113

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander W. V. Hull

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: ☐ ORIGINAL ☐ RESURVEY ☐ REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
General-Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, June 19, 1973 OFFICE-Supplement I, August 19,1973 NOTE:Office and Field Edit Instructions(1973)incorporate applicable prior operational 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: Florida; ZONE: East

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	V.McNeel	8/72
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD:	PLOTTED BY	D. Phillips	8/72
	CHECKED BY	C.Lewis&P.Dempsey	5/73
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: SCALE:	PLANIMETRY BY	C. Lewis	5/73
	CHECKED BY	J.Battley	5/73
	CONTOURS BY	Inapplicable	
	CHECKED BY		
4. MANUSCRIPT DELINEATION METHOD: Interior:Orthophoto mosaic SCALE: 1:10,000	PLANIMETRY BY	C. Lewis	5/73
	CHECKED BY	J.Battley	6/73
	~~CONTOURS~~ BY	J. Taylor	12/72
	CHECKED BY	J. Battley	
	HYDRO SUPPORT DATA BY	Inapplicable	
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.Battley	6/73
6. APPLICATION OF FIELD EDIT DATA	BY	S. Solbeck	9/73
	CHECKED BY	J.Dempsey	10/73
7. COMPILATION SECTION REVIEW	BY	C. Lewis	1/75
8. FINAL REVIEW	BY	D. Brant	3/75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	11/75
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. CATOE	2/77

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

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

NOAA FORM 76-36B
(3-72)

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

TP-00418

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

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

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

TIME REFERENCE
ZONE: Eastern — XX STANDARD
MERIDIAN: 75th — ☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71E(C)9130-9133	2/24/71		1:30,000	The stage of tide is inapplicable for color photography.
71K5759R-5762R	3/2/71	1047-1048	1:30,000	Refer to the following page for stage of tide data.
71K5641R-5644R	2/24/71	1233-1234	1:30,000	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated black-and-white-infrared photography listed in item 1. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of shoal and shallow areas for Nautical Charts. The 1971 color photography was also used to update culture shoreline. The map was field edited in 1975. Where the MHWL is obscured by vegetation, such as mangrove, the apparent shoreline is mapped.

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

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

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00191	Atlantic Ocean	TP-00416	No contemporary Survey

REMARKS

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

NOAA FORM 76-36B(1)
(7-75)

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00418

LOCATION AND PHOTOGRAPHY	TIDE STATIONS *(In operation at time of photography)*	STAGE OF TIDE	MEAN RANGE
ATLANTIC OCEAN			
71K5759R-5762R	Hillsboro Inlet	-0.04MHW	2.57'
71K5641R-5644R	Hillsboro Inlet	-0.17MLW	
INTERIOR WATERS			
71K5759R-5762R	Behia Yacht Club	-0.19MHW	2.42'
71K5641R-5644R	Behia Yacht Club	+0.10MLW	

REMARKS:

NOAA FORM 76-36C
(3-72)

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

TP-00418

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION * [X] FIELD EDIT OPERATION

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

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
	Refer to Field Report

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
71E9130	C239RESET1970,19.65(SRD)
71E9131	D239,E239,F311,25.71SRD
71E9132	X238,N239,E311,2(SRD)
	IWBW136(USE)
71E9133	IWBW133(USE),A311,C311
71E9130	TIDAL 3
71E9131	TIDAL 1, TIDAL 2,TIDAL 5
73L2802	TIDAL 2

3. PHOTO NUMBERS (*Clarification of details*)
71E9130 thru 9133, 71K5641R, 71K5759R,71K5761R,71E5960R,73L2802

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
71E9131	Steel skeleton tower		

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

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

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)
Sketchbook pages.
*The field report is bound in this Descriptive Report.

NOAA FORM 76-36C
(3-72)

* U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D
(3-72)

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

TP-00418

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and along-shore details	May and June 1973			
Coastal Zone Map TP-00418 formed the base for new Chart 11470 along with TP-00416 and TP-00417.				

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
	519-74	7/14/74	3 forms 76-40 were submitted as final report submitted to Marine Charts.

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/14/74
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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

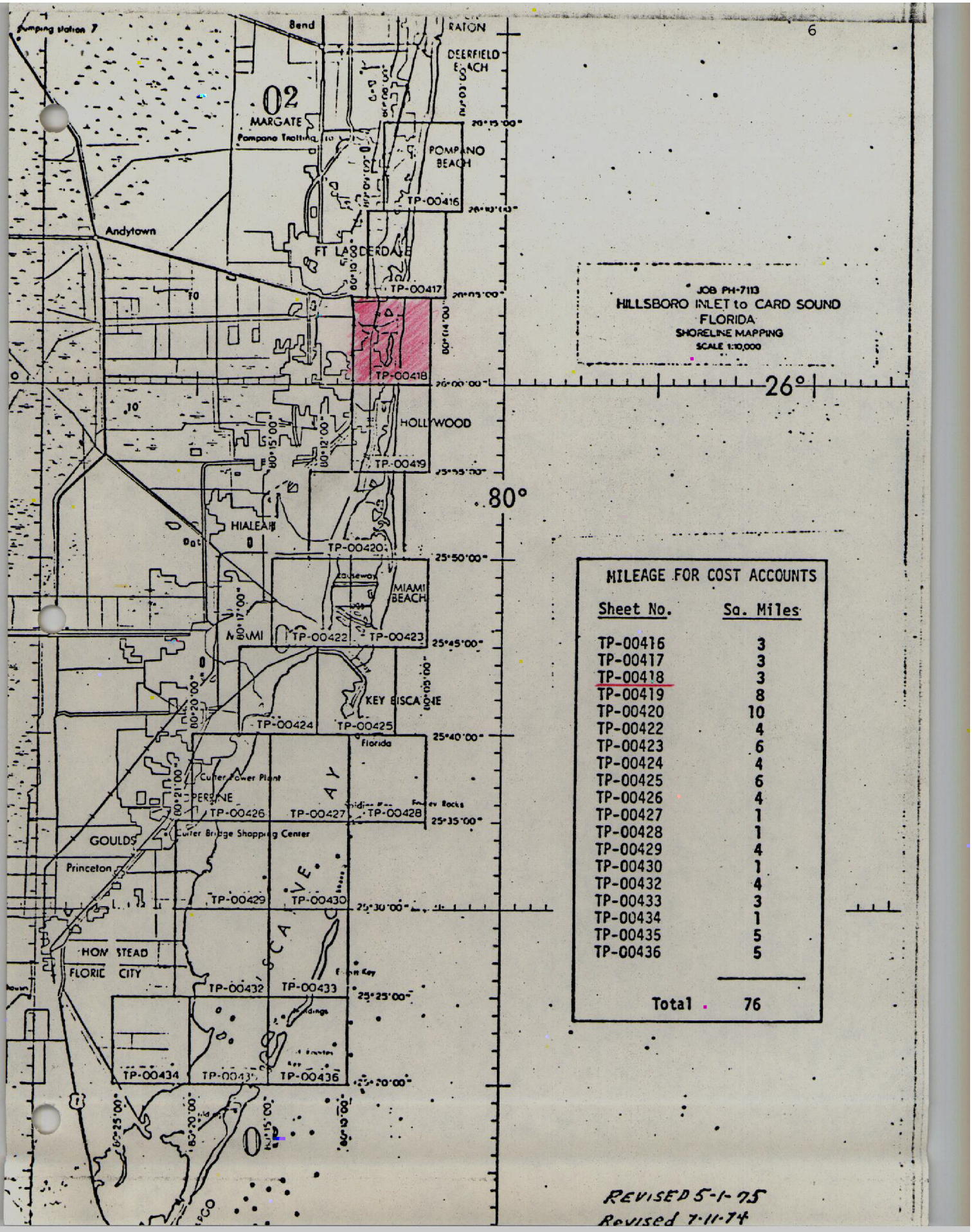
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

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



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

MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. Miles
TP-00416	3
TP-00417	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-00418 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 flourescent TANGERINE (very close to what we call fire orange) and should show well on the color photographs. (This paint was used on two other stations and we would be interested to know how it turns out.) In addition, a white 9-ft. trianglewas placed on top of a nearby flat-roofed building approximately 10 feet high, which is a substation.

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

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

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

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

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

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

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

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

2. TIDE COORDINATED PHOTOGRAPHY

As directed by telephone, the following nine tide

stations were manned.

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

Photography obtained was based on the first seven gages. Lines 30-5 and 30-6 would have been based on

[redacted]

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

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

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

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

This ended the low-water photography.

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

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

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

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

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

(5) Line 30-4, based on BISCAYNE BAY, MIAMI and BIS-

3. FORESHORE PROFILES

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

The procedure was to drive a stake to water level near shore and obtain the tide gage reading at that time by radio from a nearby gage. This elevation thus became the bench mark to determine the horizontal position of mean high- and mean low-water lines from a planetable setup. Points occupied were triangulation stations or recoverable photo-topo points. The planetable was oriented to magnetic north with andazimuth 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

* Refer to Review Report.

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 } Not applicable for TP-00418
(3) Hollywood to Miami Beach, Florida

22. Method

Eleven (11) strips of photography were bridged using aerotriangulation methods. Tie 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 Finial 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.

A 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,

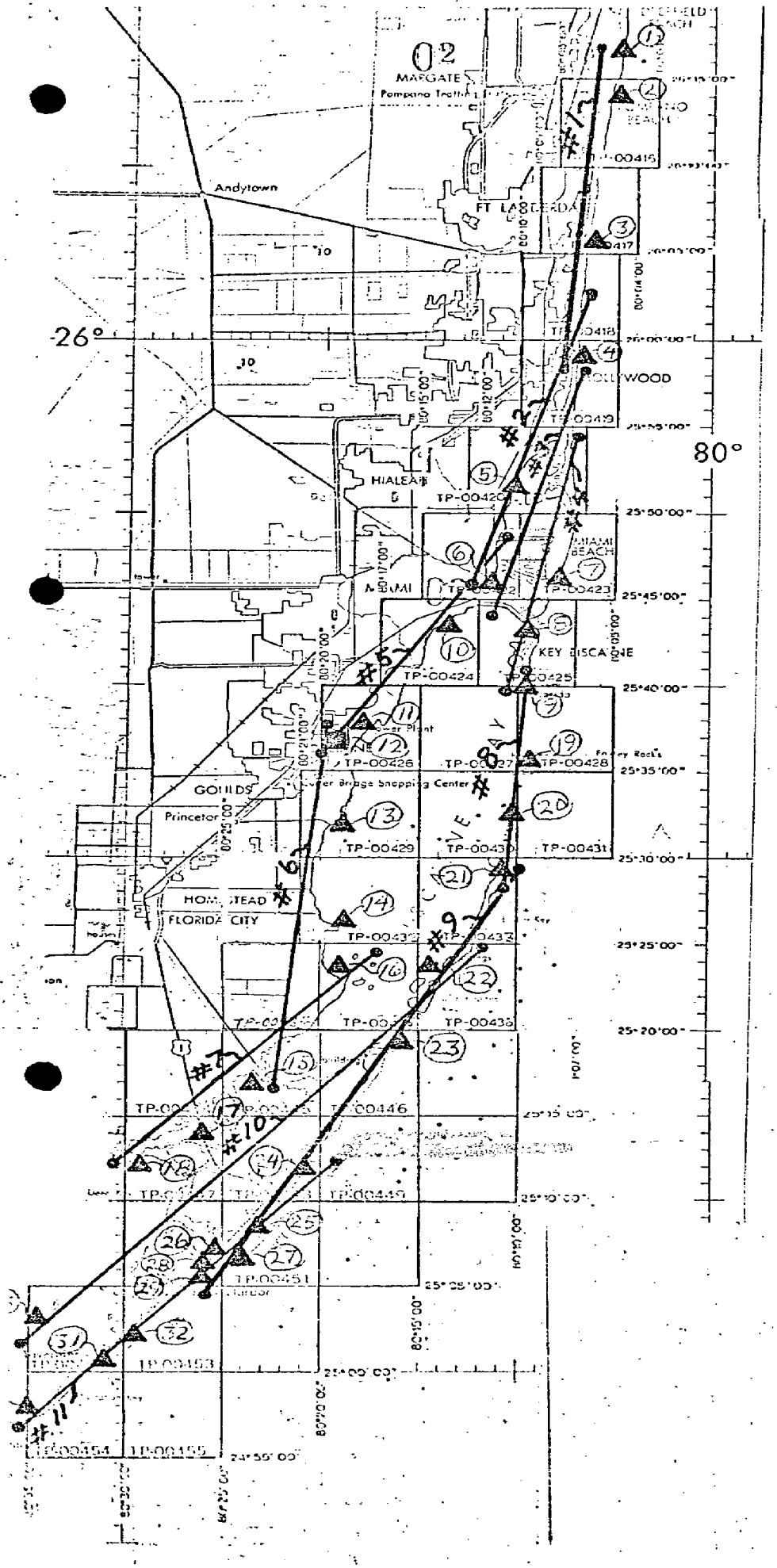
Victor McNeel

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

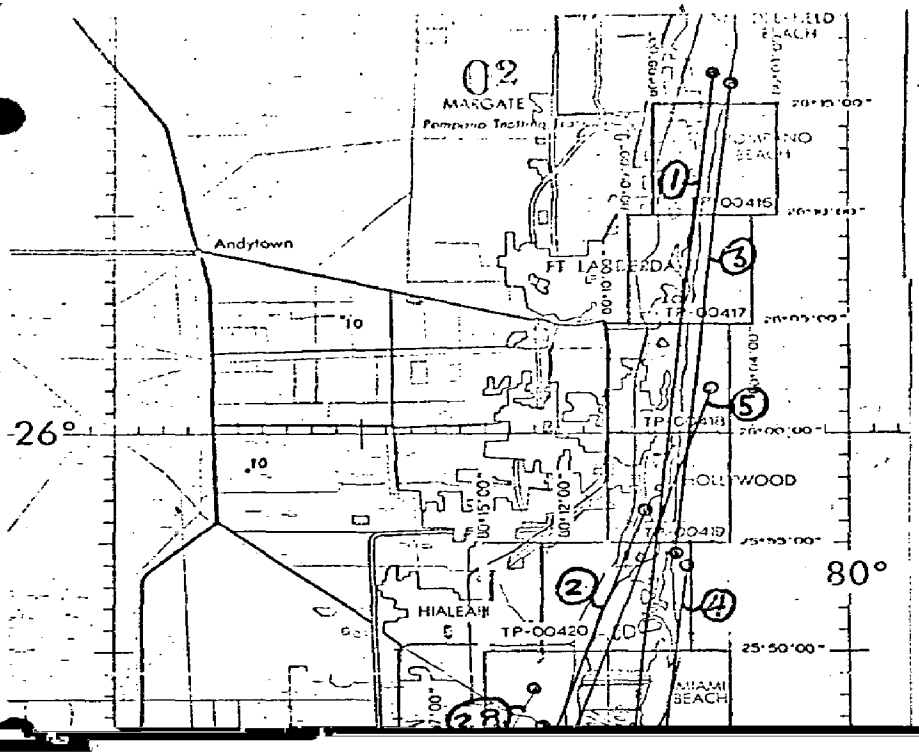
CONTROL STATIONS
USED IN THE
ADJUSTMENTS

CONTROL STATIONS

			residuals	
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



JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

INFRA-RED CONTACT
PRINTS RATIOED FOR
COMPILATION

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

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 and the placement of the control used in this adjustment. Data for plotting the points were furnished to the Compilation Section.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

No supplemental data used.

25. Photography

The photography was adequate.

Respectfully submitted,

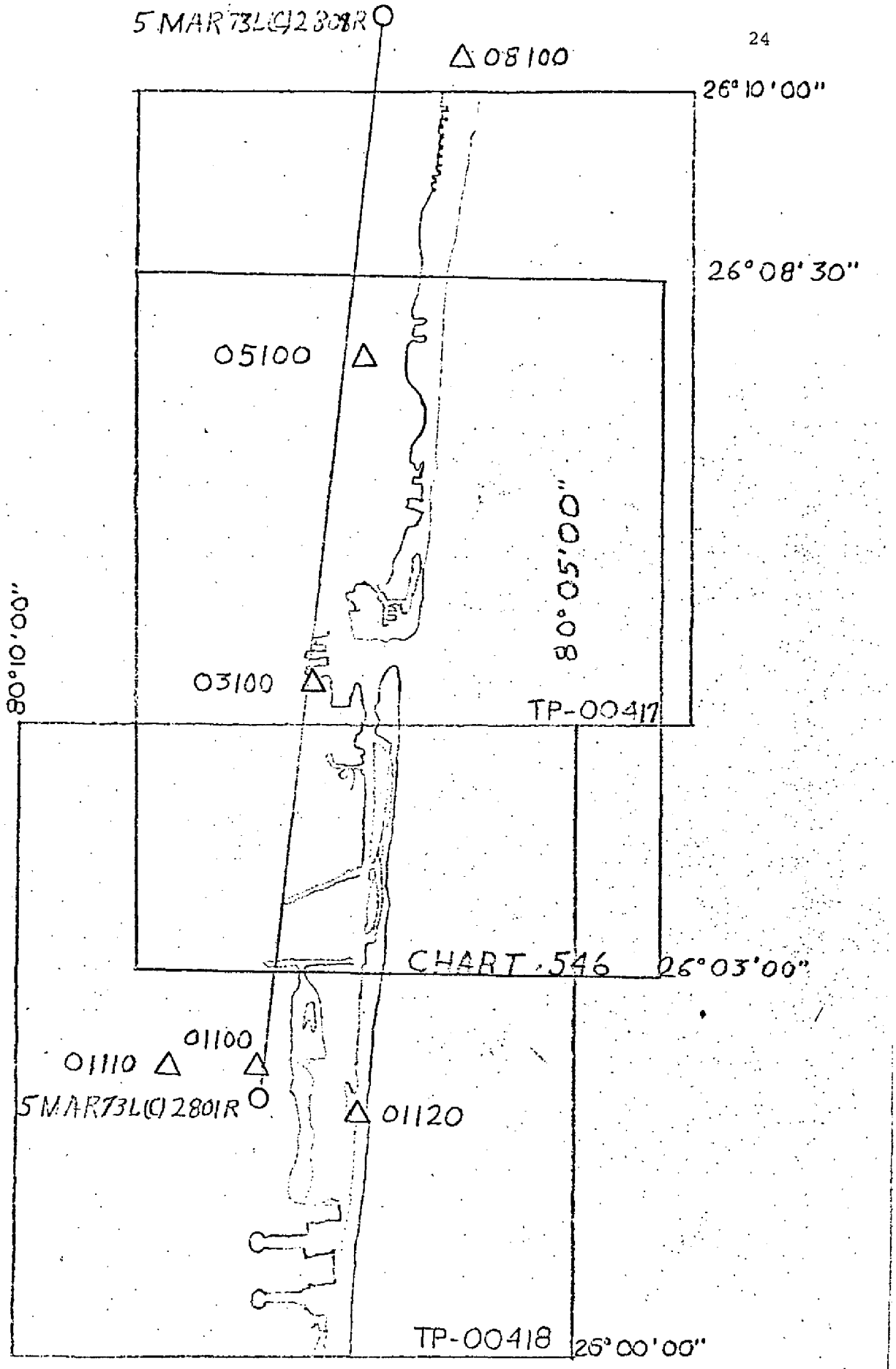
Ivey O. Raborn

Ivey O. Raborn

Approved and Forwarded:

John D. Peterson Jr.

Chief, Aerotriangulation Section


5 MAR 73 LC 2308R
08100
26° 10' 00"
26° 08' 30"
05100
80° 05' 00"
80° 01' 00"
03100
TP-00417
CHART 546
26° 03' 00"
01100
01110
5 MAR 73 LC 2801R
01120
TP-00418
26° 00' 00"

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
X 238	13.038	C&GS disk stamped X 238 1965; 32 ft. E of centerline of Street, 1.5 ft. S of SW corner of large concrete post on S side of drive way.
C 239 RESET	8.327	C&GS disk stamped C 239 RESET 1970; set in SW corner of concrete slab which supports a light pole, 29.5 ft. S of centerline of W-bound lane, 27 ft. N of centerline of E-bound lane, about 279 ft. W of W rail of S-bound track.
D 239	17.382	C&GS disk stamped D 239 1965; set in top of E end of N abutment of railroad bridge, 8.5 ft. E of E rail of N-bound track.
E 239	9.665	C&GS disk stamped E 239 1965; 23.5 ft. W of W rail of S-bound track, 123 ft. N of mile-post 346, 4 ft. S of telegraph pole.
N 239	11.053	C&GS disk stamped N 239 1965; 166 ft. S of centerline of street, 18 ft. W of W rail of S-bound track, 3 ft. S of power pole.
A 311	9.216	C&GS disk stamped A 311 1970; set in S step of War Memorial, 31.6 ft. S of W one of 5 flagpoles, 19.9 ft. S of eternal flame.
19.65 (SRD)	19.406	FSRD disk stamped 19.65; set on top of S end of E bannister of bridge.
F 311	3.245	C&GS disk stamped F 311 1970; 101 ft. NW of and across road from a fire hydrant, 53.3 ft. W of centerline of road, 2 ft. NE of witness post.
25.71 (SRD)	25.499	FSRD disk stamped 25.71; set in top of NW bannister of bridge, 15.9 ft. W of center-line of road, 5.3 ft. S of N end.
E 311	5.151	C&GS disk stamped E 311 1970; 50 ft. N of centerline of street, 21 ft. E of A1A, 3 ft. N of guyed pole.

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
2 (SRD)	25.318	FSRD disk stamped 2 25.420; set in top of NE bannister of street, 7.5 ft. W of E end.
IWBW 136 (USE)	3.455	USE disk stamped IWBW 136 1962 JACKSONVILLE FLA; 70.2 ft. W of W curb of AlA, 19 ft. S of W end of fence, 1.6 ft. E of W edge of bulkhead.
C 311	4.236	C&GS disk stamped C 311 1970; 80 ft. W of W curb of AlA, 7.3 ft. N of S end of bulkhead.
IWBW 133 (USE)	4.377	USE disk stamped IWBW 133 1962 JACKSONVILLE FLA; 58.9 ft. W of W curb of AlA, 3.7 ft. N of S end of bulkhead.

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
DANIA 2, 1934	Book 422, P. 26, 28, 31 G.P.-Fla. Vol. 1, P. 135, P. C. Fla. E Zone, P. 13
DANIA, MUNICIPAL WATER TANK, 1955	Book 422, P. 28, 31 G.P.-Fla. Vol. 1, P. 989, P.C. Fla. E Zone, P. 215
HOLLYWOOD BEACH HOTEL, TOWER, 1955	Book 422, P. 28 G.P.-Fla. Vol. 1, P. 989, P.C. Fla. E Zone, P. 215

COMPILATION REPORT
TP-00418

31. Delineation: Features delineated were the MHWL, MLWL, Identifiable landmarks and aids and applicable foreshore and alongshore manmade features behind the shoreline are depicted by the orthophoto mosaic. Sufficient detail was compiled from the bridging photography to control the ratio infrared MHW and MLW tide-coordinated photography.

Due to the importance of proper interpretation and symbolization, all shoreline is to be field edited.

32. Control: Horizontal control was adequate for density and placement.

33. Supplemental Data: None.

34. Contours and Drainage: Inapplicable

35. Shoreline and Alongshore Details: The Intracoastal Waterway and Atlantic Coast Shoreline was delineated from Office interpretation of the tide-coordinated infrared MHWL and MLWL ratio photographs listed on compilation sources Form 76-36b.

In areas where the shoreline was difficult to interpret, contact color photographs 71E 9130 thru 9133 were viewed stereoscopically, for verification of compiled features.

36. Offshore Details: Not applicable.

37. Landmarks and Aids: Four landmarks were plotted from Geodetic Control. Additional landmarks; landmark buildings, and all aids to navigation will be located during field edit.

38. Control for Future Surveys: None.

39. Junctions: North, TP-00418; South, TP-00419; East, Atlantic Ocean; West, no contemporary survey.

40. Horizontal and Vertical Accuracy: See Aerotriangulation Report.

41 thru 45. Inapplicable.

46. Comparison with Existing Maps: Comparison was made with the following USGS Quadrangles; Fort Lauderdale, South & Port Everglades, Florida, Scale 1:24,000, 1962 Photo revised 1969.

47. Comparison with Nautical Charts: Comparison was made with the following: 847SC, Scale 1:40,000, 11th Edition, Dated August 1972; NC-1248, scale 1:80,000, 14th Edition, Dated October 1972.

Items to be applied to Nautical Charts Immediately - None.
Items to be Carried Forward: None

Submitted by:
C.F. Lewis

Approved and Forwarded
by: Peter P Bartley Jr

Field Edit Report, Map TP-00418, Job PH-7113

51. METHODS

The shoreline of the Atlantic Ocean was verified visually by walking along the shoreline. The shorelines of the Intracoastal Waterway and adjacent 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 and infrared photographs.

Four landmarks are recommended for charting. Form 76-40 is submitted. Three landmarks are triangulation stations while the fourth was photo-identified.

One landmark is recommended for deletion. Form 76-40 is submitted.

Form 76-40 is also submitted for nonfloating aids. Six aids were located by sextant cuts and the seventh by planetable.

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

All triangulation stations on the manuscript were searched for. Forms 526 are submitted for stations lost or destroyed and for stations whose descriptions require modifications.

State and Federal highway numbers are shown on the photographs.

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

The MLWL was verified using the Port Everglades tide station when the tide was 0.3 foot above MLW. A tidal reference bench mark was established near the south end of the map because no tidal data was available south of Port Everglades. Small additions and changes to the MLWL will be found on the Discrepancy Print and infrared photographs.

Shoals, shallows, channels and foul areas were verified visually by traveling the area in a small boat.

Seven tide gages were identified on the following photographs: 71E9130, 9131 and 73L2802.

Color prints were not furnished this party.

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

Robert R. Wagner
Chief, Photo Party 60

Review Report
Coastal Zone Map TP-00418
December 1976

61. General

The map manuscript for Coastal Zone Map TP-00418 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-00418 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-00418.

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:

Port Everglades, Florida - 1962, 1:24,000 Scale
Fort Lauderdale South, Florida - 1962 Photorevised 1969, 1:24,000 Scale

No significant changes were found.

Comparison was made with the following nautical chart:

Nautical Chart 11467 (formerly 847-SC), 13th Edition,
Dated September 14, 1974, 1:40,000 Scale

A chart maintenance print was prepared and annotated with the field editors' notes regarding differences between the chart and map TP-00418.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00418 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

November 30, 1976

GEOGRAPHIC NAMES
FINAL NAME SHEETS
PH-7010 (Florida)

TP-00418

Atlantic Ocean

C-10 Canal

Dania

Dania Cut-off Canal

Dania Town Canal

Dania Sound

Florida East Coast Railroad

Fort Lauderdale-Hollywood International Airport

Hollywood

Hollywood Beach

North Lake

South Lake

West Lake

Approved by:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer

(Digitized Values)

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

ORIGINATING ACTIVITY
- [ ] FIELD INSPECTION
- [ ] FIELD EDIT
- [x] COMPILATION
- [ ] FINAL REVIEW
- [ ] QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

...RY INSTRUCTION NO. 64. NONFLOATING AIDS OR LANDMARKS FOR CHARTS

...MARTED
...ELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: April 1975 ~~7/73~~

...jects have (have not) been inspected from seaward to determine their value as landmarks:

...da

SURVEY NUMBER: T - TP-00418

DATUM: N.A. 1927

DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
...illsboro Inlet - ...iscayne Creek								
...ania Sound	26 03	53.26 1638.99	80 06	51.05 1418.97			7/2/73 P.4	847 SC
...ollywood Beach	26 02	43.83 1348.80	80 06	57.48 1597.96			7/4/73 P.4	"
"	26 02	23.48 722.56	80 07	02.21 61.44			7/4/73 P.4	"
"	26 02	19.55 601.62	80 07	01.20 33.36			7/4/73 P.4	"
"	26 02	13.07 402.21	80 07	02.59 72.01			7/4/73 P.4	"
"	26 01	23.92 736.10	80 07	03.64 101.21			7/4/73 P.4	"
"	26 00	15.98 491.76	80 07	09.61 267.25			7/4/73 P.3	

TYPE OF ACTION	
1. Objects inspected from seaward	
2. Positions determined and/or verified	
3. Forms originated by Quality Control and Review Group and final review activities	

INSTRU

NOTE: 'Photogrammetric Positions' are dependent en
'Field Positions' are determined by field observat

COLUMN TITLE

COMPILATION

Applicabl
identify t

FIELD INSPECTION AND FIELD EDIT

1. New Posit

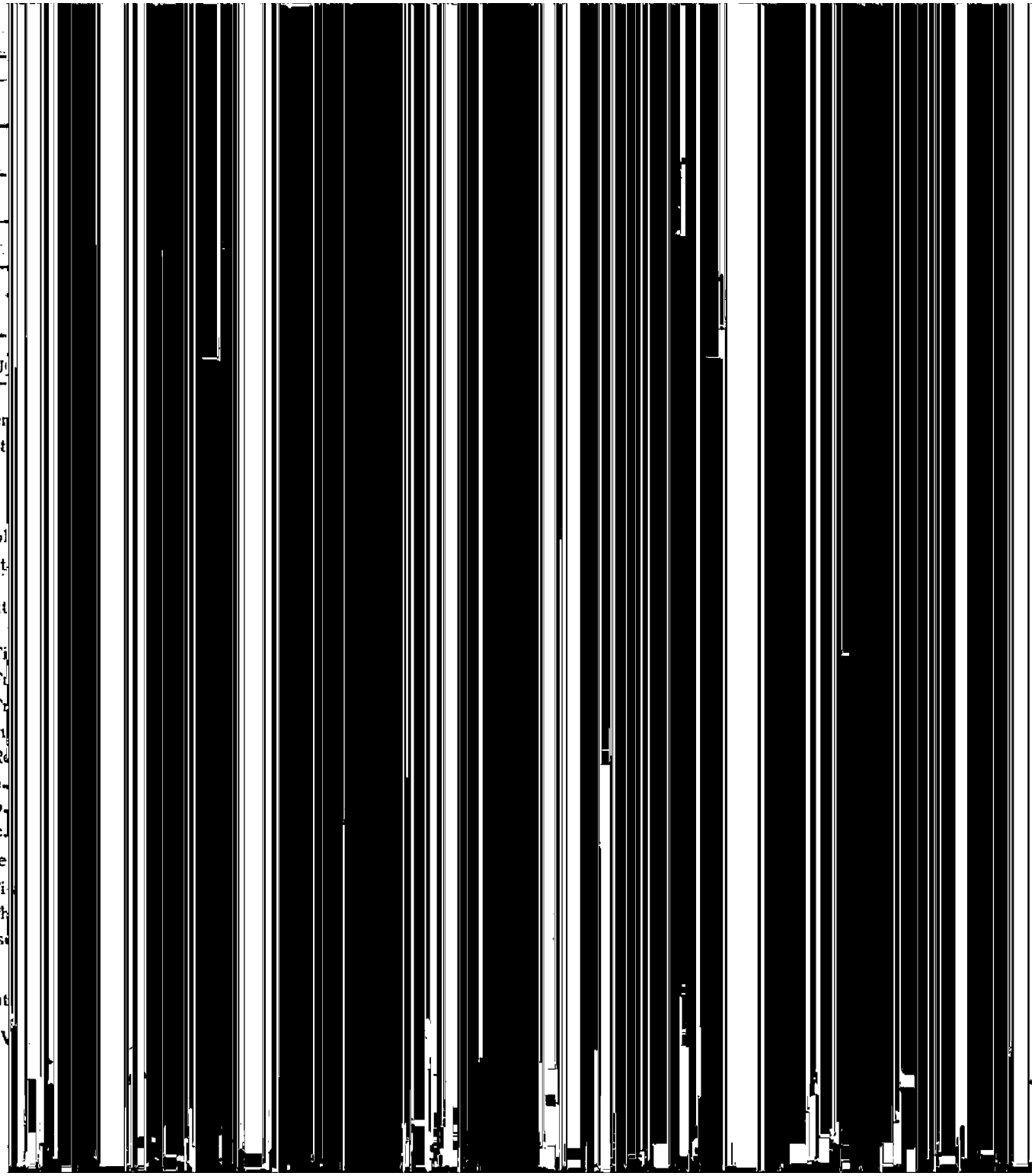
F – Fi
1. Tr
2. Tr
3. In
4. Re
a.
b.
c.

Immediate
a. For 'Fi
b. For 'Ph
was us

2. Triangulat

3. Position V

NOAA FORM 76-40 (2-71)



FORM 76-40 | U.S. DEPARTMENT OF COMMERCE–NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

CRIBED BY OGRAMMETRY INSTRUCTION NO. 64.

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: April 1975 ~~7/73~~

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

NUMBER: H- 7113
E: Florida

SURVEY NUMBER: T -
TP- 00418

DATUM: N.A. 1927

POSITION

RTING AME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M.METERS	LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
WER	Steel Skeleton Tower ht+70(74)	26 03	12.00 369.20	80 06	50.30 1398.26			71E9131 7/9/73 P 1	847-SC 1248
NK	Hollywood East Mun. Tank, 1971 ht=166(170)	26 01	55.25 1700.22	80 07	43.96 1222.24			Triang. Rec. 7/9/73	"
WER	Hollywood Beach Hotel Tower 1955 Masonry, ht=123(128)	26 00	43.11 1326.63	80 07	00.10 02.78			Triang. Rec. 7/9/73	"
NK	Dania Mun. Water Tank, 1955 ht=129(139)	26 02	51.71 1591.29	80 07	52.21 1451.12			Triang. Rec. 7/9/73	"

35

RESPONSIBLE PERSONNEL		
	NA[redacted]	TITLE[redacted]
	R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
rified		FIELD INSPECTOR
	R. Wagner	FIELD EDITOR
	R. Rich	COMPILER
ntrol and activities		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

itions' are dependent entirely, or in part, upon control established by photogrammetric methods.
etermined by field observations based entirely upon ground control.

TYPE OF ENTRIES

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

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.'

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: April 1975

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

JOB NUMBER: PH- 7113
STATE: Florida

SURVEY NUMBER: T - TP-00418

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
TANK	Tank Removed	26 01		80 08				5/22/73	1248

36

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	N	TITLE
1. Objects inspected from seaward	R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R. Wagner	FIELD EDITOR
	R. Rich	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 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-00418
National Archives Data

1 Discrepancy Print (paper copy)

1 Field edit sheet (stable base copy)

3 Forms 76-40 (Nonfloating Aids or Landmarks for Charts)

1 Form 76-36C (History of Field Operations)

1 Form 274 (Sketchbook)

Photography: 71-E(C) 9730 thru 9133
71-K-5759R and 5760R