

TP-00418

TP-00418

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Coastal Boundary</u>	
Job No. <u>PH-7113</u>	Map No. <u>TP-00418</u>
Classification No. <u>Final</u>	Edition No. <u>1</u>
Field Edited Map	
LOCALITY	
State <u>Florida</u>	
General Locality <u>Broward County</u>	
Locality <u>Fort Lauderdale South</u> <u>to Hollywood</u>	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1971 TO 1973 </div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		1
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED
		SURVEY TP. <u>00418</u> MAP EDITION NO. <u>11</u> MAP CLASS <u>Final</u> JOB PH. <u>7113</u>
PHOTOGRAMMETRIC OFFICE Rockville, Maryland		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED
OFFICER-IN-CHARGE Commander W. V. Hull		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
I. INSTRUCTIONS DATED		
1. OFFICE General-Instructions-OFFICE-NOS Coop- erative Coastal Boundary Mapping, Job PH-7000, June 19, 1973 OFFICE-Supplement I, August 19, 1973 NOTE: Office and Field Edit Instruc- tions (1973) incorporate applicable prior operational instructions. OFFICE-Supplement II, 9/24/73	2. FIELD Aerial photography 9/2/69 Supplement I, 1/28/70 Supplement II, 3/26/70 Supplement III, 8/10/72 Field Edit (PH-7000, General Instructions for Florida Coastal Zone Mapping) 1973	
II. DATUMS		
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE Florida ZONE East STATE ZONE
5. SCALE 1:10,000		
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY V. McNeel 8/72		
METHOD: Analytic LANDMARKS AND AIDS BY Inapplicable		
2. CONTROL AND BRIDGE POINTS PLOTTED BY D. Phillips 8/72		
METHOD: CHECKED BY C. Lewis & P. Dempsey 5/73		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY C. Lewis 5/73		
COMPILATION CHECKED BY J. Battley 5/73		
INSTRUMENT: CONTOURS BY Inapplicable		
SCALE: CHECKED BY		
4. MANUSCRIPT DELINEATION PLANIMETRY BY C. Lewis 5/73		
Interior: Orthophoto CHECKED BY J. Battley 6/73		
METHOD: mosaic = SCHEMATIC BY J. Taylor 12/72		
CHECKED BY J. Battley		
SCALE: 1:10,000 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 7/75		
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. CATDE 2/77		

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		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) <u>COLOR</u> (P) PANCHROMATIC (I) <u>INFRARED B&W</u>		ZONE Eastern MERIDIAN 75th	
<input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 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 TP-00191	EAST Atlantic Ocean	SOUTH TP-00416	WEST No contemporary Survey		
REMARKS					

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TIDE - COORDINATED PHOTOGRAPHY

TP - 00418

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	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:

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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	R.R. Wagner	6/73	
RECOVERED BY	Inapplicable		
ESTABLISHED BY	"		
PRE-MARKED OR IDENTIFIED BY			
3. VERTICAL CONTROL	R.R. Wagner	6/73	
RECOVERED BY			
ESTABLISHED BY			
IDENTIFIED BY	G. Jamerson & J. DiMare	7/73	
4. LANDMARKS AND AIDS TO NAVIGATION	R.R. Wagner	6/73	
RECOVERED (Triangulation Stations) BY	R. Wagner & G. Jamerson	7/73	
LOCATED (Field Methods) BY	J. DiMare	7/73	
IDENTIFIED BY			
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION		
	<input type="checkbox"/> COMPLETE		
	<input type="checkbox"/> SPECIFIC NAMES ONLY		
	<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Wagner & G. Jamerson	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	Inapplicable	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Refer to Field Report	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
3. PHOTO NUMBERS (Clarification of details)		73L2802	TIDAL 2
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
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.			

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NOAA FORM 76-36D
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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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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

I. 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. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/14/74
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

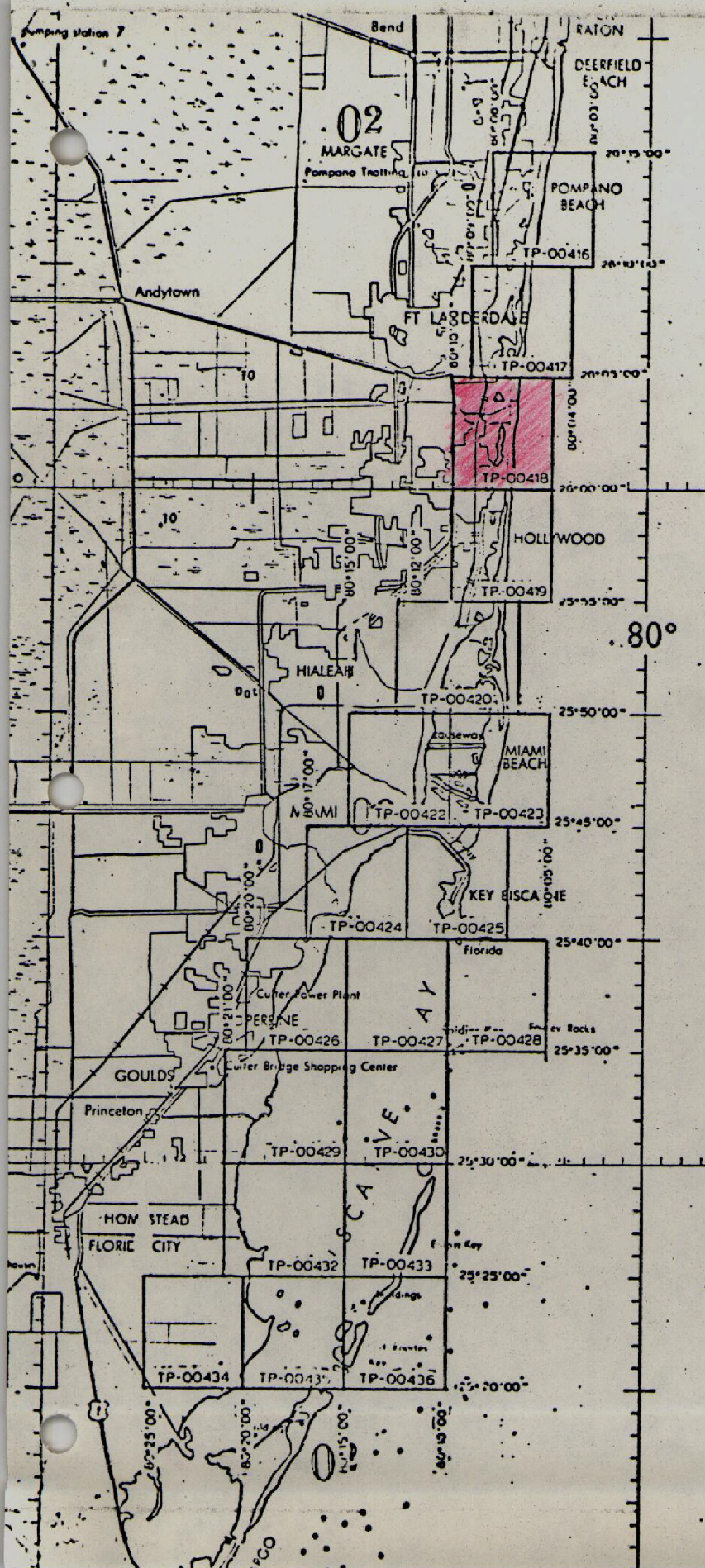
III. FEDERAL RECORDS CENTER DATA

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)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



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

MILEAGE FOR COST ACCOUNTS	
<u>Sheet No.</u>	<u>Sa. Miles</u>
TP-00416	3
TP-00417	3
<u>TP-00418</u>	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 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.

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

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

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

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

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

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

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

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

2. TIDE COORDINATED PHOTOGRAPHY

As directed by telephone, the following nine tide

stations were manned.

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

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

Recordings entered in the tide volumes, Form 277, were at 5 minute intervals near and during photography; otherwise 15 minute interval. Wet staff readings--crest, trough and mean--were 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) 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.

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

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

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

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.

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

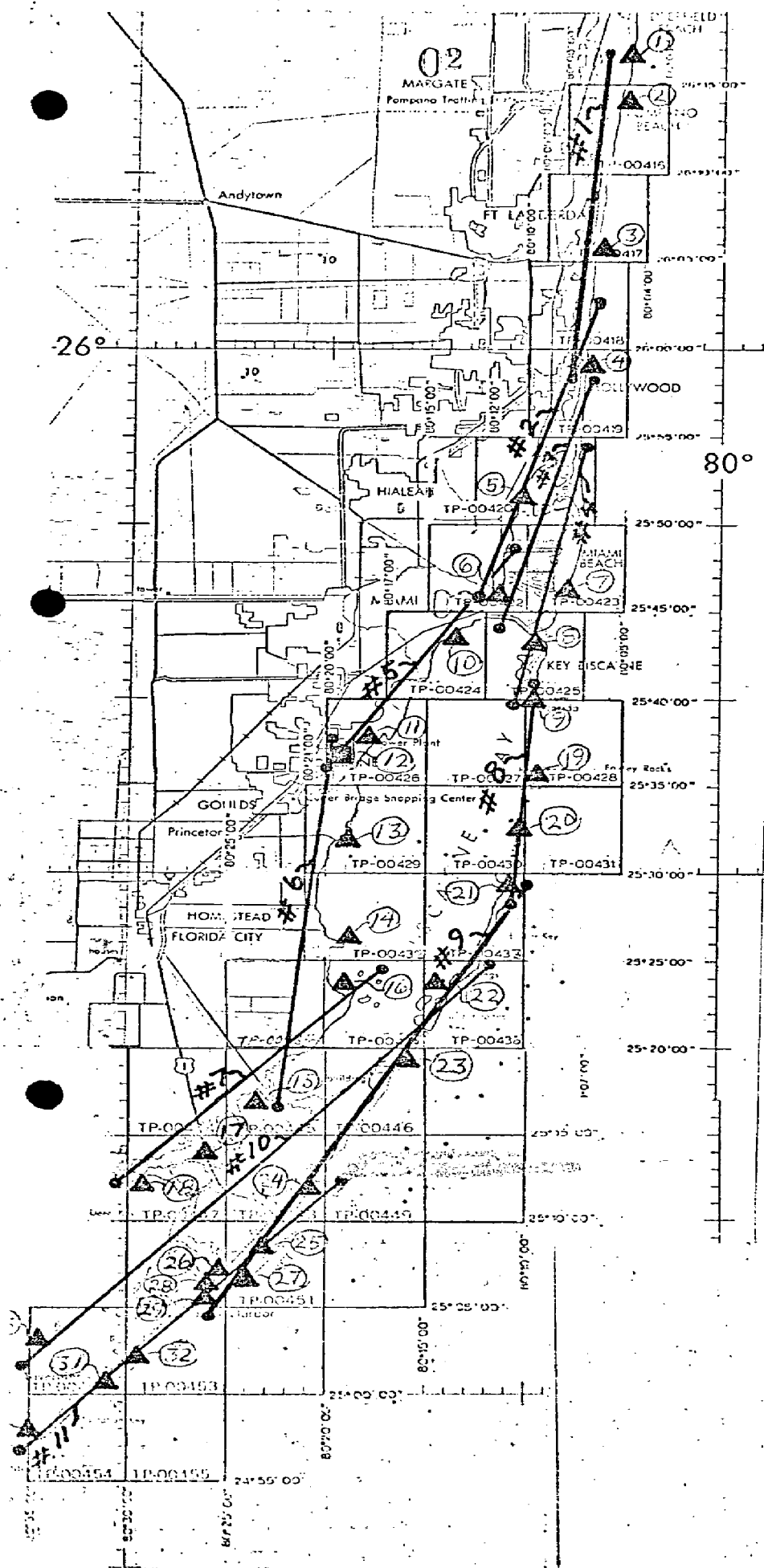
Approved and forwarded:

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

			<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

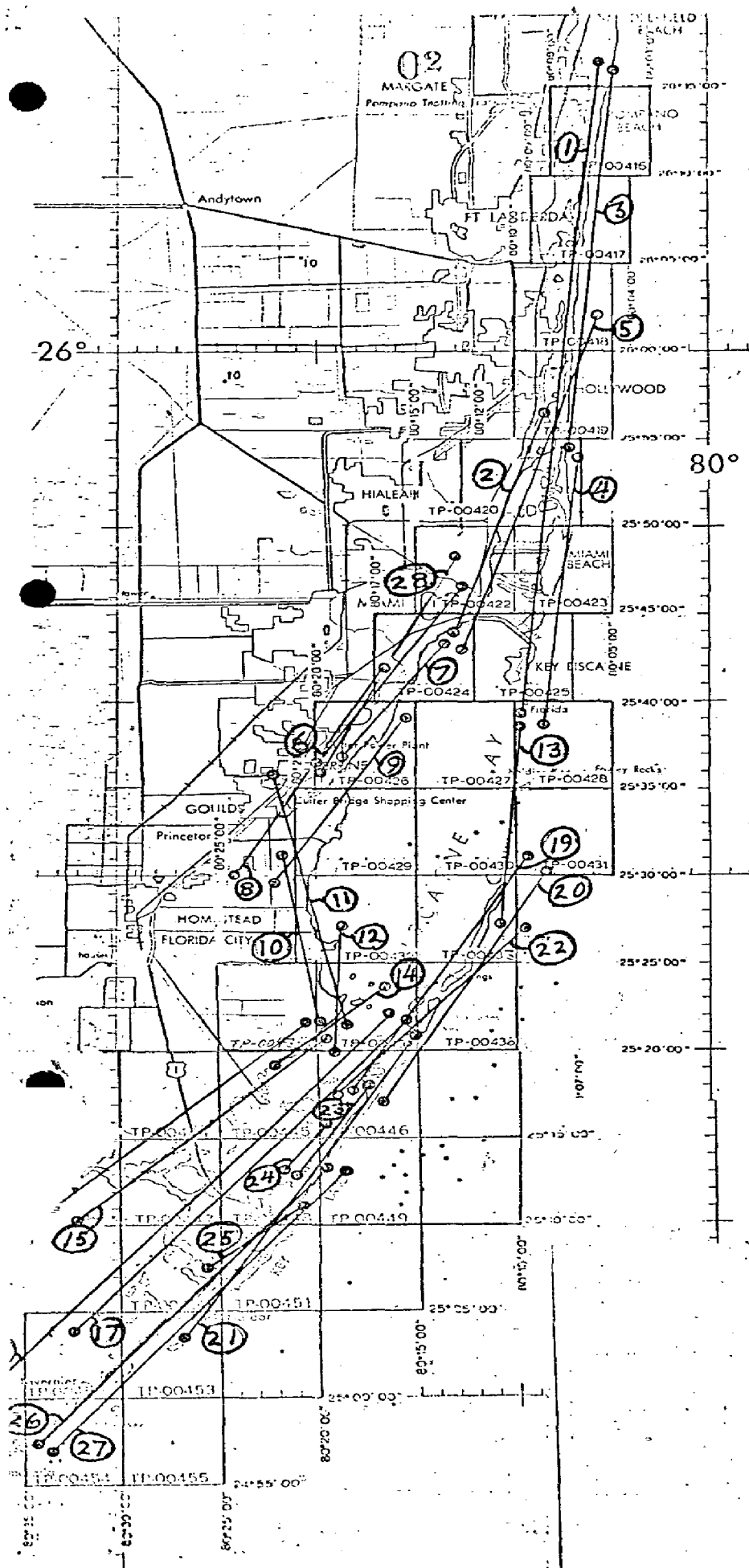
30.	(967101)	Low 2, RM 2, 1934	0.042	0.215
31.	(692100)	Tavernier, 1935	0.308	-1.325
32.	(793101)	Planter 2, RM 4	-1.476	1.087
33.	(695101)	Snake, 1934, subpoint	0.128	0.174

** means not used in adjustments

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. Perrow Jr.
Chief, Aerotriangulation Section

5 MAR 73 LCJ 2808R

24

△ 08100

26° 10' 00"

26° 08' 30"

05100

△

80° 05' 00"

03100

△

TP-00417

CHART 546

26° 03' 00"

01110

△

01100

△

5 MAR 73 LCJ 2801R

○

△ 01120

TP-00418

26° 00' 00"

Vertical Control - Geodetic

Map TP- 00418

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
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 centerline 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.

Vertical Control - Geodetic

Map TP - 00418

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
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.

Horizontal Control

Map TP- 00418

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.

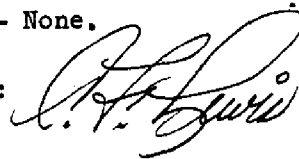
47. Comparison with Nautical Charts: Comparison was made with the following: 847SC, Scale 1:40,000, 11th Edition, Dated August 1972; NC-1248, scale 1:80,000, 14th Edition, Dated October 1972.

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

Approved and Forwarded

by: *John P. Bawley Jr.*

Submitted by:
C.F. Lewis



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.

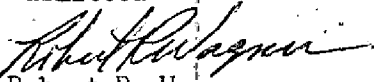
54. RECOMMENDATIONS

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

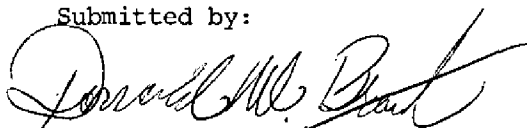
A chart maintenance print was prepared and annotated with the field editors' notes regarding differences between the chart and map TP-00418.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

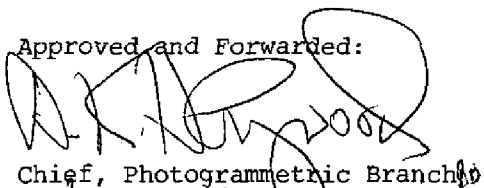
Coastal Zone Map TP-00418 complies with the instructions for NOS Cooperative Coastal Boundary Mapping, Job PH-7000, and the National Standards of Map Accuracy.

Submitted by:

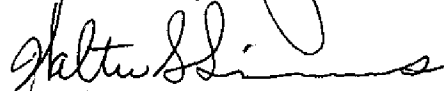


Donald M. Brant

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

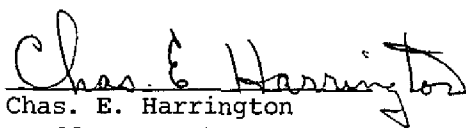
Hollywood Beach

North Lake

South Lake

West Lake

Approved by:


Chas. E. Harrington
Staff Geographer

(Digitized Values)

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS OR LANDMARKS FOR CHARTS									
NOAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE DELETED		Rockville, Maryland		April 1975		<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input checked="" type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)			
The following objects have (have not) been inspected from seaward to determine their value as landmarks:		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			
JOB NUMBER		T-		N.A. 1927					
STATE: Florida		TP-00418							
CHARTING NAME	DESCRIPTION	POSITION		LONGITUDE		FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
		LATITUDE	LONGITUDE	0	0				
		D.M.METERS	D.M.METERS	D.M.METERS	D.M.METERS				
LT 35	Hillsboro Inlet - Biscayne Creek	26 03	53.26	80 06	51.05			7/2/73 P.4	847 SC
LT 36	Dania Sound	26 02	1638.99	80 06	1418.97			7/4/73 P.4	"
LT 38	Hollywood Beach	26 02	43.83	80 06	57.48			7/4/73 P.4	"
DYBN 39	"	26 02	1348.80	80 07	1597.96			7/4/73 P.4	"
DYBN 39A	"	26 02	23.48	80 07	02.21			7/4/73 P.4	"
LT 40	"	26 01	722.56	80 07	61.44			7/4/73 P.4	"
DYBN 42	"	26 00	19.55	80 07	01.20			7/4/73 P.4	"
			601.62	80 07	33.36			7/4/73 P.4	"
			13.07	80 07	02.59			7/4/73 P.4	"
			402.21	80 07	72.01			7/4/73 P.4	"
			23.92	80 07	03.64			7/4/73 P.4	"
			736.10	80 07	101.21			7/4/73 P.4	"
			15.98	80 07	09.61			7/4/73 P.4	"
			491.76	80 07	267.25			7/4/73 P.3	"

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

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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

COLUMN TITLE

COMPILATION

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

FIELD INSPECTION

AND

FIELD EDIT

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

F — Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection

- a. Theodolite
- b. Planetable
- c. Sextant

P — Photogrammetric

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

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

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

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

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

[illegible]

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R. Wagner	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	R. Wagner	FIELD INSPECTOR
	R. Wagner	FIELD EDITOR
	R. Rich	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW <input type="checkbox"/> 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 |
| 1. Triangulation | 1. Field identified |
| 2. Traverse | 2. Theodolite |
| 3. Intersection | 3. Planetable |
| 4. Resection | 4. Sextant |
| a. Theodolite | |
| b. Planetable | |
| c. Sextant | |

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

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

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

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

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	TITLE
1. Objects inspected from seaward	R. Wagner <input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	R. Wagner FIELD INSPECTOR FIELD EDITOR
3. Forms originated by Quality Control and Review Group and final review activities	R. Rich COMPILER <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

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

FIELD INSPECTION AND FIELD EDIT

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

F - Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection
 - a. Theodolite
 - b. Planetable
 - c. Sextant

P - Photogrammetric

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

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

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

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

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

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