00420

00420

NOAA FORM 76-35

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

[redacted]

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

DESCRIPTIVE REPORT - DATA RECORD

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

SURVEY TP- 00420

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH- 7113

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander James Collins

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, December 9, 1975 Supplement I, November 4, 1974 Supplement III, October 24, 1974 NOTE:Office and field edit instructions (1975) incorporate applicable prior operational instructions	Aerial photography 9/2/69 Supplement I, 1/28/70 Supplement II, 3/26/70 Supplement III, 8/10/72 Field Edit(PH-7000 General Instructions for Florida Coastal Zone Mapping)1973

II. DATUMS

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

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

3. MAP PROJECTION: Transverse Mercator

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

5. SCALE — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	Ivey O. Raborn, Jr.	June 1976
	LANDMARKS AND AIDS BY	Ivey O. Raborn, Jr.	June 1976
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY	J. Taylor	Sept. 1976
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT: Orthophotomosaic	~~XXXXXXXX~~ BY	J. Taylor	Oct. 1976
SCALE: 1:10,000	CHECKED BY	J. Battley, Jr.	Oct. 1976
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	G. Fromm-J. McClure	11/75-12/76
	CHECKED BY	C. Lewis	11/75-12/76
METHOD:	CONTOURS BY	Inapplicable	
	CHECKED BY		
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	Inapplicable	
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley, Jr.	Jan. 1975
6. APPLICATION OF FIELD EDIT DATA	BY	P. Gibson-J. McClure	3/75-12/76
	CHECKED BY	C. Lewis	Jan. 1977
7. COMPILATION SECTION REVIEW	BY	C. Lewis	Jan. 1977
8. FINAL REVIEW	BY	D. Brant	April 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	July 1977
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	N. O. Meade	7-79

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

★ U.S. G.P.O. 1972-769380/547 REG. #6

NOAA FORM 76-36B
(3-72)

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

TP-00420

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8
L, K, & B 6" focal length

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

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

TIME REFERENCE
ZONE: East — ☒ STANDARD
MERIDIAN: 75th — ☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71K5649R-5652R	24 Feb. 71	1201	1:30,000	See following page for
71K5667R-5671R	24 Feb. 71	1300	1:30,000	tidal information
71K5821R-5823R	2 Mar. 71	1300	1:30,000	
71K5795R-5798R	2 Mar. 71	1145	1:30,000	
73L(C)9953-9955	7 Dec. 73	1105	1:30,000	Inapplicable - Used
73L(C)9979-9981	7 Dec. 73	1325	1:30,000	for field edit
73L(C)3006-3014	8 Mar. 73	1235	1:30,000	
75B7981 and 7983)*	24 Nov. 75	1000		
75B8010-8012-8014)	24 Nov. 75	1020	1:30,000	

REMARKS
* Photography used for final orthophotomosaic and updating of cultural shoreline features.

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 cultural features and compiling the limits of shallow, shoal and channel lines for Marine Charts. The 1973 color and 1975 panchromatic photography was also used to update cultural shoreline.

Where the MHWL was obscured by vegetation, such as mangrove, the apparent shoreline was delineated.

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 in item 1. The 1973 color and the 1975 panchromatic photography was used as an aid for interpreting the MLWL in areas of construction. Refer to the addendum to compilation report.

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00419	Atlantic Ocean	TP-00422 and 423	No contemporary survey

REMARKS
Final junctions were made in the Coastal Mapping Section

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

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

TIDE - COORDINATED PHOTOGRAPHY

TP _ 00420

LOCATION AND PHOTOGRAPHY	TIDE STATIONS *(In operation at time of photography)*	STAGE OF TIDE	MEAN RANGE
71K5649-5652R	N. Miami, Biscayne Creek Miami Beach	+0.50 MLW* -0.39 MLW*	2.19 ft. 2.51 ft.
71K5667-5671R	N. Miami, Biscayne Creek	+0.33 MLW*	
71K5821-5823R	N. Miami, Biscayne Creek	±0.43 MHW*	
71K5795-5797R	N. Miami, Biscayne Creek	+0.09 MHW	
71K5795-5798R	Miami Beach	+0.13 MHW	

REMARKS:

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

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS TP-00420

I. [XX] FIELD INSPECTION OPERATION * Mar. 1971 [X] FIELD EDIT OPERATION Feb. 1975

[redacted]

NOAA FORM 76-36D
(3-72)

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

TP-00420

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class I	1/27/77	Special request from Requirements Branch	1/27/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		3/9/77	7 digitized pages of Form 76-40 have been forwarded to the Marine Chart Division as a final report.

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 3/9/77
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

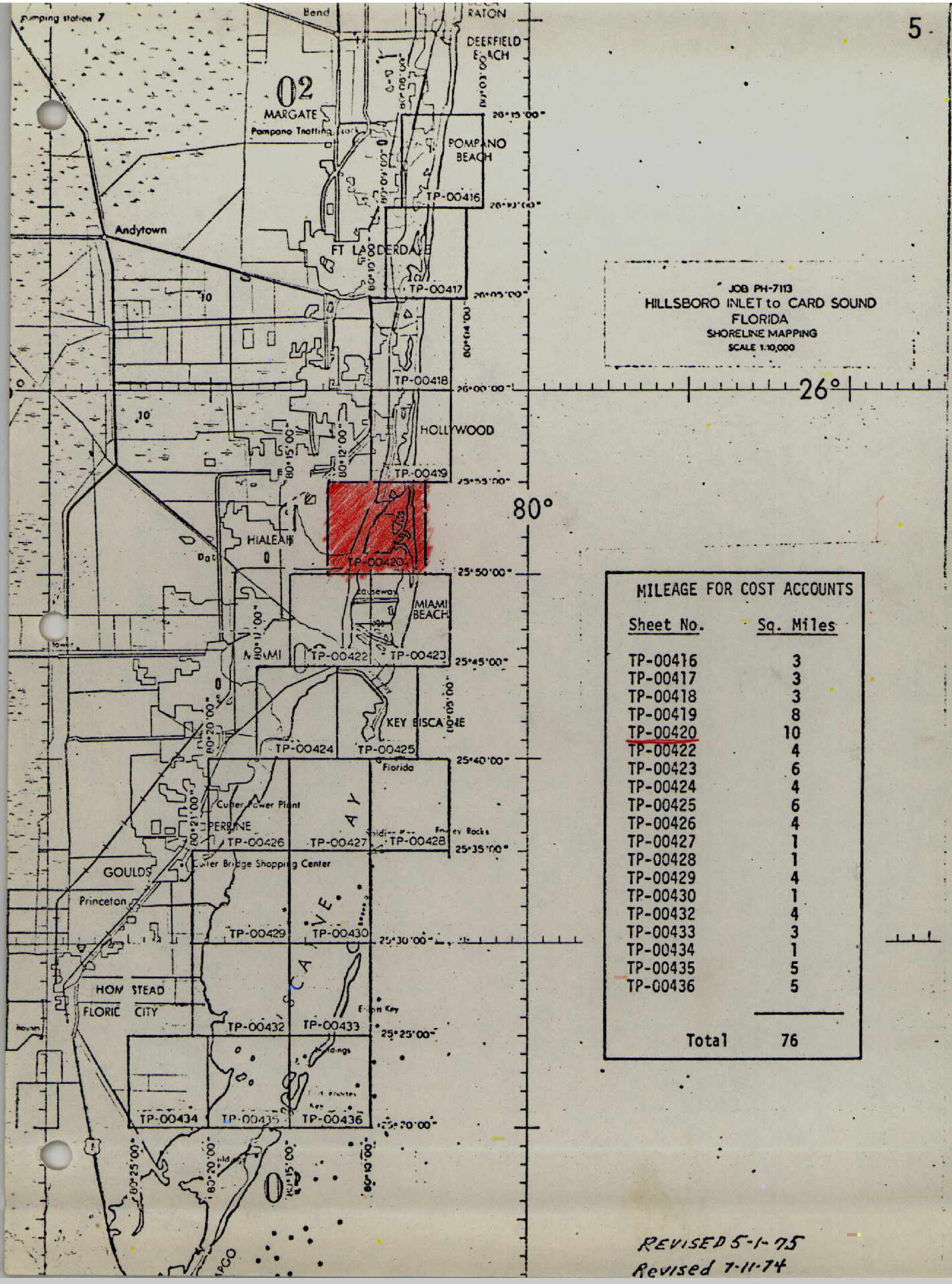
III. FEDERAL RECORDS CENTER DATA

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
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

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



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-00420

Coastal Zone Map TP-00420 is one of nineteen (19) 1:10,000 scale maps in job PH-7113. Maps TP-00416 through TP-00420 and TP-00422 through TP-00426 are published maps in three colors. The interior of these maps is shown with an orthophotomosaic. Maps TP-00427 through TP-00430 and TP-00432 through TP-00436 are mapped as shoreline type maps and will not be published. The interior of these shoreline type maps is limited to a narrow zone of planimetry usually back from the shoreline to and including the first road.

The original compilation of map TP-00420 was interrupted because of a new adjustment of horizontal control, poor quality of photography, and new construction in the area. A detailed account of these delays is outlined in the Compilation Report and Addendum to the Compilation Report.

A layout of the maps (revised since the aerotriangulation operation) will show the location of the individual maps. A copy of this layout is included in this Descriptive Report.

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 with aerial photography taken in 1971, 1973, and 1975 on panchromatic, 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. The 1975 panchromatic photography was used to update culture shoreline.

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

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 orthophotomosaic

4. The Descriptive Report

All negatives are filed in the Reproduction Division.

All field records such as field edit sheets, discrepancy prints, field edit data, and control forms are filed in the National Archives.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

FIELD REPORT PH 7113

I. HORIZONTAL CONTROL.

Seven control points were premarked for this project.

Control Pt. 1
DANIA 2 1934 was marked direct with array No. 1 and 3 wing panels.
DANIA RM 3 was marked direct with array No. 1 and no wing panels.

Control Pt. 2
CLUB 1934 was marked direct with array No. 1. No wing panels could be placed on the roof.
CLUB RM 1 is the center of a chimney. Form 152 was submitted for RM 1 in case the wind removed the panel for CLUB 1934.

Control Pt. 3
BASE (USE) 1934 marked direct with array No. 2 and two wing panels.
DENO 1967 marked direct with array No. 1 and one wing panel.

Control Pt. 4
CAPE FLORIDA OLD TOWER, FINIAL 1853 was identified by a Sub Pt. using array No. 1 and two wing panels.

Control Pt. 5
LIBRARY 1934 was marked direct with array No. 1 with one wing panel. The wingpanel is on a lower roof than the station.

Control Pt. 6
PAN AMERICAN 1935 was identified by Sub Points. PointsA is marked by array No. 1 and no wing panel. Point B is the center of a shaft on the penthouse roof.

Control Pt. 7
NACO 1934 was identified by two sub points. Sub pointA is marked by array No. 1 with one wing panel. Sub Point B is marked by array No. 2 and two wing panels.

II. Foreshore Profiles
Not required.

Submitted by
Robert R. Wagner
Chief, Photo Party 66
12/01/75

original

FIELD REPORT

JOBS PH-7010 and PH-7113

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

1. HORIZONTAL CONTROL

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

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

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

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

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

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

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

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

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

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

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

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

2. TIDE COORDINATED PHOTOGRAPHY

As directed by telephone, the following nine tide

stations were manned.

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

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

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

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

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

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

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

(3) An 8 mile segment of line 30-1, based on BAHIA

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

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

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

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

This ended the low-water photography.

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

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

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

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

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

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

This ends the high-water photography.

3. FORESHORE PROFILES

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

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

Photogrammetric Plot Report
Miami Harbor Area
Fort Lauderdale to Key Biscayne, Florida
PH-7113
June 30, 1976

21. Area Covered

This report covers the area along the east coast of Florida from Ft. Lauderdale to Key Biscayne, and is covered by six 1:10,000 scale sheets TP-00419, TP-00420, and TP-00422 thru TP-00425 and Chart 547.

22. Method

Two strips of 1:30,000 scale black-and-white photography were bridged by analytic aerotrinagulation methods to control two strips of 1:10,000 and four strips of 1:15,000 scale color photography. The two strips of 1:30,000 scale black-and-white photography were controlled by field identified control paneled in 1975. Old control, which was office identified, was floated for checks. Ties were made between all strips. The attached sketch shows the flight lines of all the strips and the placement of field identified control. This job was adjusted on the old control.

Positions were determined for field identified, nonfloating aids to navigation. Positions for key landmarks (determined by previous surveys) were also checked and positioned during bridging operations.

Common points were transferred from the previous survey to this survey by the compilation section. Strip number one checked in excellent with the previous survey but strip two in the adjustment ranged from 0 to 10 feet in checking with this survey. The compilation section also tied the two 1:60,000 scale photographs to the bridging photography. Data were furnished to the compilation section for plotting in the Florida East Zone.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

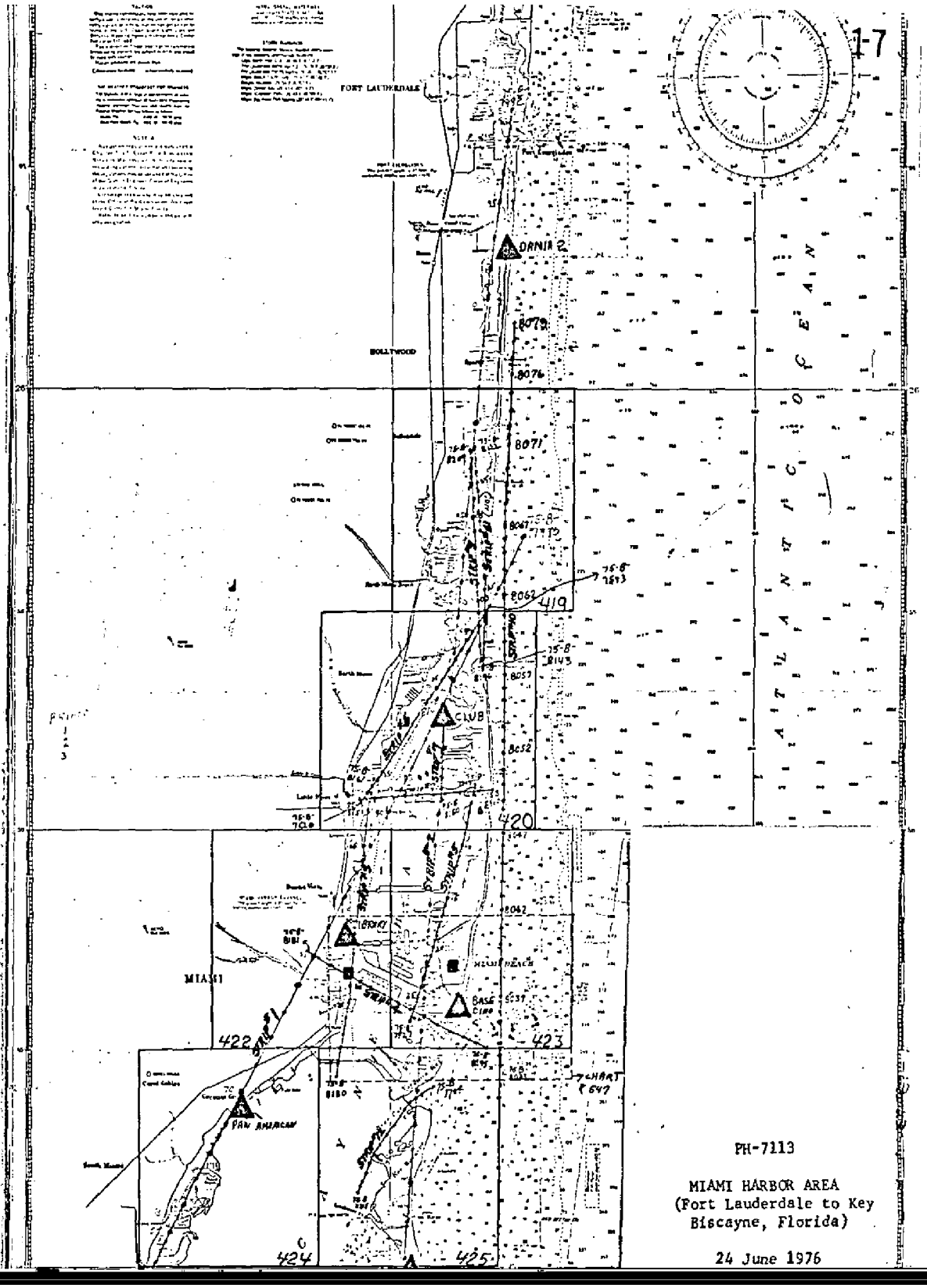
25. Photography

The photography was adequate as to coverage and overlap, and definition for bridging operations. It may be necessary for the compilation section to have the photo lab remake some of the color photography because of its poor quality.

[redacted]

LIST AND ACCURACY OF CONTROL USED IN STRIP ADJUSTMENT

	POINT	X - Error	Y - Error
STRIP #1	103101	- 0.7	0
	103102	- 0.4	- 0.5
	106110	+ 2.0	+ 2.0
	108101	+ 1.0	- 0.6
	108102	+ 1.7	- 1.0
	111111	+ 2.5	- 1.3
	111112	+ 2.8	+ 1.3
	111113	0	+ 2.0
	111114	0	+ 0.5
	111101	- 0.6	+ 0.8
	111110	0	+ 1.3
	111115	- 1.0	+ 2.9
	111116	0	- 0.8
	115100	0	- 0.3
	115101	0	- 1.2
	115102	+ 1.6	+ 2.0
STRIP #2	202100	0	0
	202101	- 1.0	+ 1.0
	202100	- 0.7	0
	202101	- 1.2	+ 0.7
	205110	0	+ 1.0
	115100	- 0.8	- 0.4
	115101	0	- 0.9
	115102	+ 1.0	+ 0.5
	210110	+ 2.6	+ 1.4
	502110	- 5.0	+ 3.7
	405110	+ 0.5	- 0.7
	406110	+ 1.8	- 1.2
	407100	- 0.5	+ 0.3
	407110	0	+ 0.4
	408100	- 1.0	+ 0.5
	508110	+ 1.5	- 1.0
	407111	0	- 0.4
	220101	+ 0.3	- 0.3



PH-7113

MIAMI HARBOR AREA
(Fort Lauderdale to Key Biscayne, Florida)

24 June 1976

Photogrammetric Plot Report
Hollywood to Miami Beach, Florida
June 1974

21. Area Covered

The area covered by this report is along the east coast of Florida from Hollywood to Miami Beach. This area is covered by two 1:10,000 scale sheets TP-00419 and TP-00420.

22. Method

Three strips of 1:30,000 scale color photography were bridged by aerotriangulation methods. The strips were controlled by transferred pass points from 1971 color photography. The attached sketch shows the flight lines 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

USGS quadrangles were used to provide vertical control.

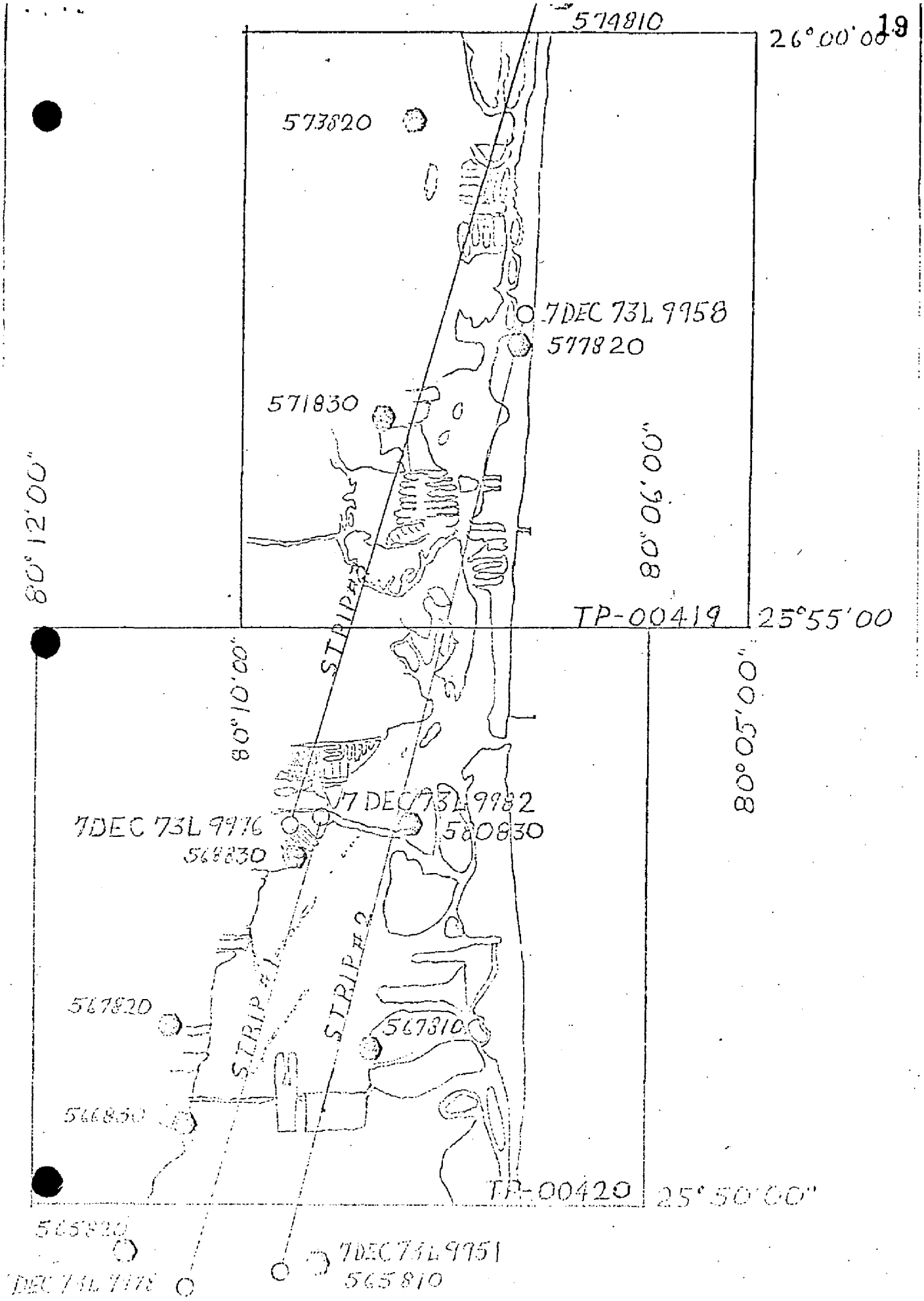
25. Photography

The photography was adequate.

Respectfully submitted,
Ivey O. Raborn, Jr.
Ivey O. Raborn, Jr.

Approved and forwarded:

John D. Perrow, Jr.
Chief, Aerotriangulation Section


574810
26°00'00"
573820
7DEC 73L 9958
577820
571830
80°12'00"
80°06'00"
STRIP #3
TP-00419
25°55'00
80°10'00"
80°05'00"
7DEC 73L 9982
580830
7DEC 73L 9976
568830
STRIP #1
STRIP #2
567820
567810
566830
TP-00420
25°50'00"
565830
7DEC 73L 9778
7DEC 73L 9951
565810

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

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

[redacted]

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

Approved and forwarded:

John D. Perrow, Jr.
Chief, Aerotriangulation Section

6

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

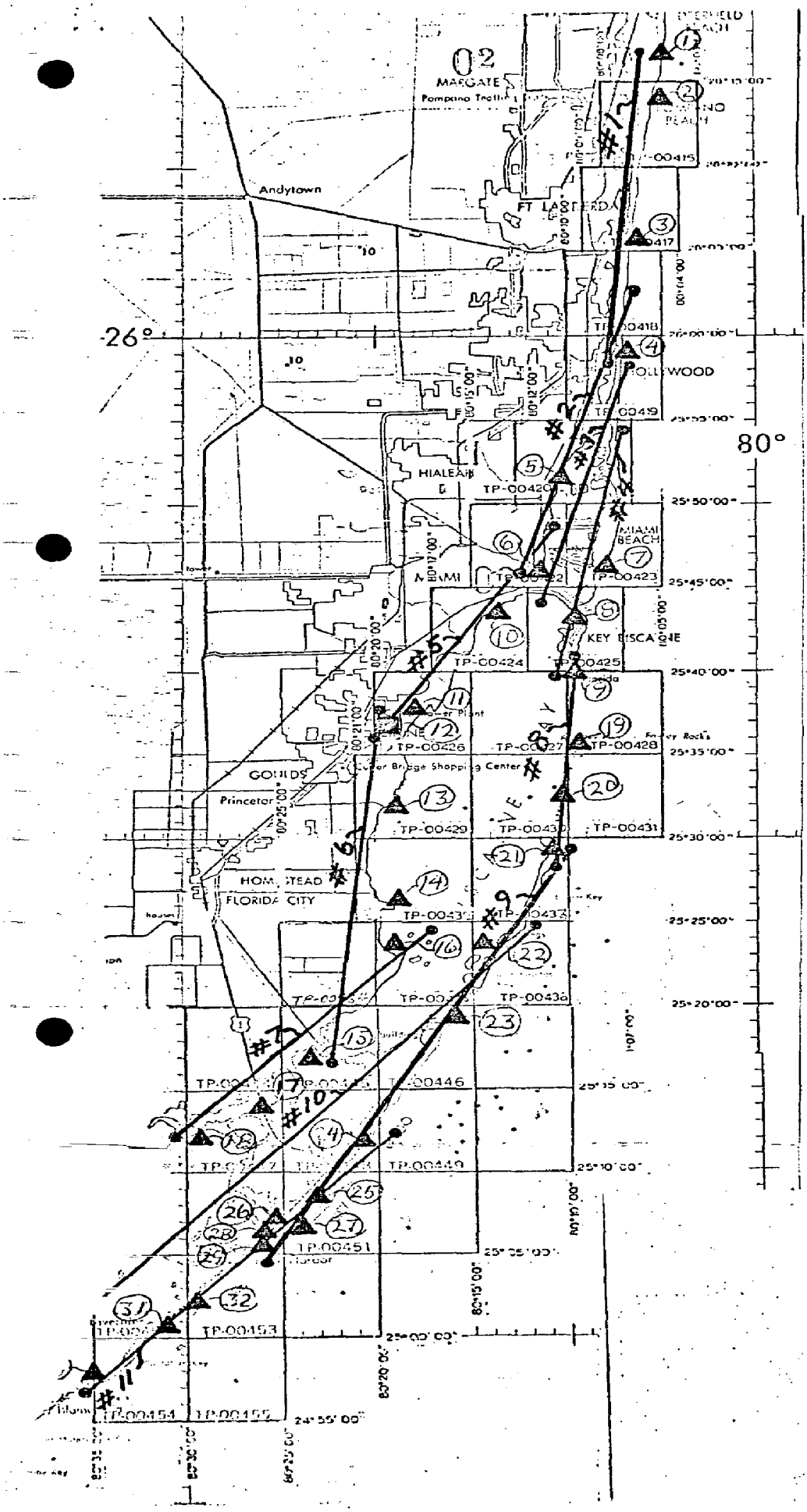
8

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

[redacted]

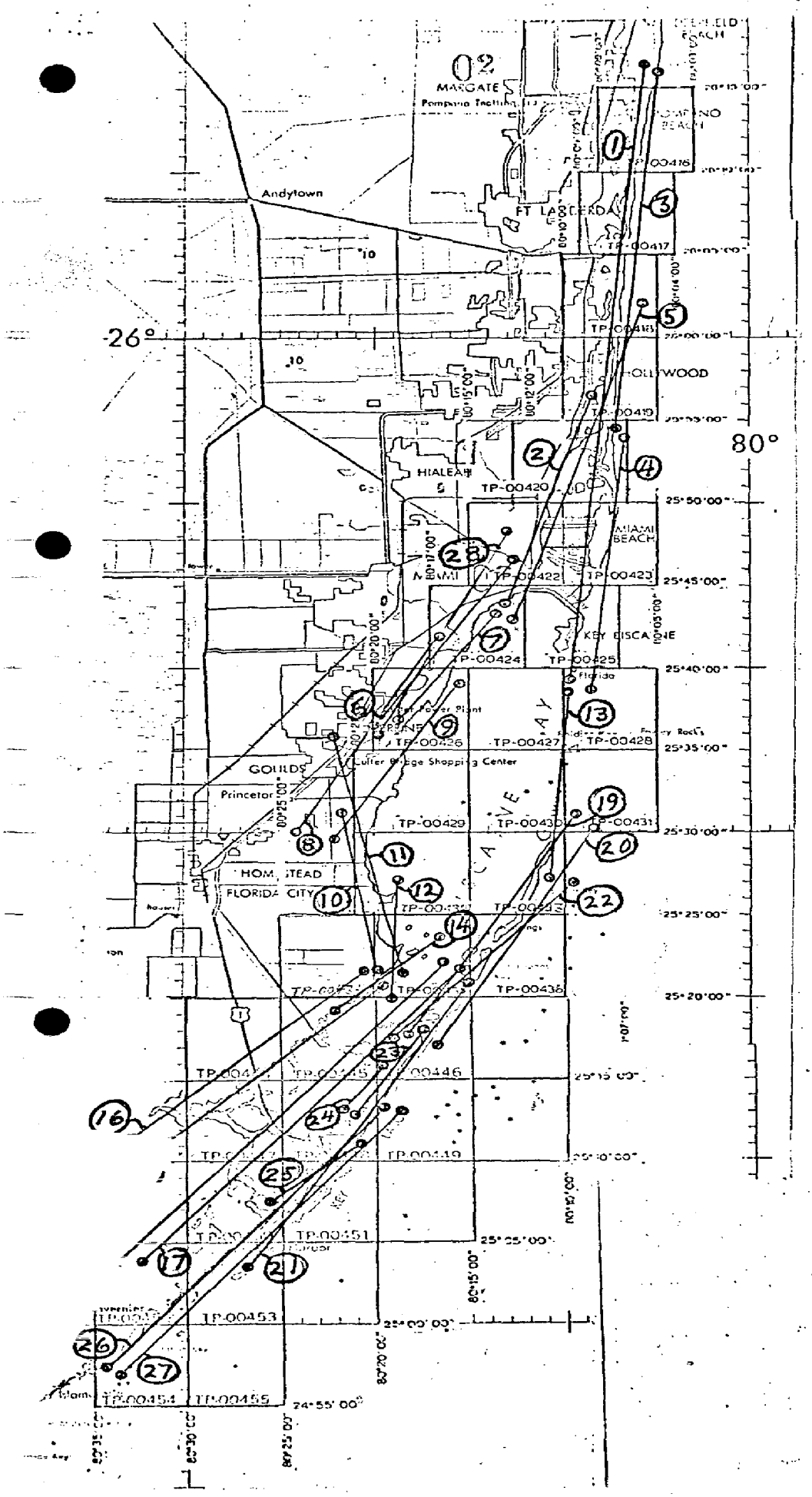
18. 72K 6311R - 6330R MHW
19. 71L 8544R - 8559R MLW
20. 71L 8648R - 8662R MLW
21. 72K 6480R - 6499R MHW
22. 71L 8697R - 8705R MHW
23. 72K 6344R - 6350R MLW
24. 72K 6253R - 6255R MLW
25. 72K 6420R - 6423R MHW
26. 72K 6501R - 6515R MHW
27. 72K 6368R - 6382R MLW
28. 71K 5847R - 5856R MHW



JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

CONTROL STATIONS
USED IN THE
ADJUSTMENTS



JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

INFRA-RED CONTACT
PRINTS RATIOED FOR
COMPILATION

FLORIDA – NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP – 00420

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
SURF CLUB CUPOLA 1934	Book 423,P.3,19,26 GP Fla. Vol. 1 page 459 PL Fla. East Zone P 121
SAINT FRANCIS HOSP. CROSS 1934	Book 423, P 5,19 GP Fla. Vol. 1 page 458 PL. Fla. East Zone P 121
CLUB, 1934	Book 423, P 3,19,24,25 GP Fla. Vol. 1 Page 450 Fla. E. Zone P 117

FLORIDA – NOAA Coastal Boundary Mapping Program

Vertical Control – Geodetic Map TP – 00420

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
P 243		C&GS disk stamped P 243 1965; set in top of S bulkhead, 9 ft. E of SW corner.
IWDA 51 (USE)		USE disk stamped IWDA 51 1962 JACKSONVILLE FLA; set in top of offset at E end of lift span, 6 ft. S of S curb, 4 ft. W of W face of guard rail.
K 317		C&GS disk stamped K 317 1970; 3.8 ft. W of fence corner post, 12 ft. S of drive centerline.
L2243		C&GS disk stamped L243 1965; set in NW end of SW abutment of RR bridge, 5 ft. NW of NW rail of S-bound track.
J 243		C&GS disk stamped J2243 1965; set in top of NW end of SW abutment, 5 ft. NW of NW rail.
E 243		C&GS disk stamped E 243 1965; set vertically in NW corner of warehouse, 0.5 ft. Soof NW corner.
D 314		C&GS disk stamped D 314 1970; set in headwall, 27.5 ft. E of centerline State A1A, 1 ft. N of S end of headwall.
Z 313		C&GS disk stamped Z 313 1970; set in top of NW corner of sewer pumping station.
Tidal Sta. I-72 Tidal 4		C&GS disk stamped NO 4 1952; set in top of bulkhead, 102 ft. north of the north wall of an offset in the bulkhead, 53 ft. west of the centerline of road.
Y 313		C&GS disk stamped Y 313 1970; set in top of bulkhead, 15.5 ft. N of street centerline, 8.5 ft. W of NW corner of bridge.
H 313		C&GS disk stamped H 313 1970; set in base of flagpole, 20 ft. E of E curb of street, 17 ft. N of N curb of street, 1.4 ft. NW of base of flagpole.
N 313		C& GS disk stamped N 313 1970; set in NW corner of catch basin, 39.4 ft. NW of NE corner of bldg., 1.7 ft. S of S curb of street.

FLORIDA – NOAA Coastal Boundary Mapping Program

Vertical Control – Geodetic Map TP-00420

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
Q 313		C&GS disk stamped Q 313 1970; set in top of bulkhead, 5.5 ft. N of S end of bulkhead.
F 313		C&GS disk stamped F 313 1970; set in top of SW[illegible] corner of sewer pumping station, 20.5 ft. N of N curb of street, 9 ft. E of E curb of drive.
Z 239		C&GS disk stamped Z 239 1965; set in top of the northwest end of the southwest concrete abutment of bridge.
[illegible]3		

5/24/77

Compilation Report
TP-00420

January 1975

This report will detail the methods used to compile TP-00420.

Due to several unusual problems encountered in compiling this map, an accounting is submitted with this report for the record:

Bridging photography and tide-coordinated, infrared photography was originally flown in 1971. A mosaic was prepared from the color photography taken in February-March 1971 and a manuscript was compiled utilizing all 1971 photography available.

Copies of this compilation, with all necessary data was sent to the field for edit in January 1975.

A preliminary field survey revealed that there was such extensive construction in the interior waterways of this map that it would be necessary to rephotograph the area to produce a contemporary orthophotomosaic and compilation. This was accomplished in December 1973 with color photography and a new mosaic was made from a photogrammetric plot bridged in June 1974 for TP-00419 and 420.

Compilation of the maps in the Miami area, including TP-00420, was halted, pending a decision on a datum adjustment of horizontal control by Geodesy.

The original compilation was revised to reflect man made changes evident on the 1973 color photography.

In January 1975 copies of the revised manuscript were sent to the field for edit. Field edit was rescheduled and completed in February 1975.

The following report is for the compilation that was rescheduled and compiled in January 1975 holding to bridge points, established for TP-00419 and 420, in June 1974.

31. Delineation

All features were delineated by graphic compilation. Control for the graphic compilation consisted of map points, determined in aerotriangulation, and planimetric features.

The natural shoreline, MHWL, and MLWL was compiled using ratioed tide-coordinated, black-and-white infrared photography.

Man made features and alongshore features were compiled from rectified black-and-white prints of the color photography. The 1:40,000-scale photography taken March 1973 was flown with 80 percent overlap to mosaic tall buildings along the coast in a vertical position.

Due to the importance of proper interpretation and symbolization of features, a field edit will be made.

32. Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data - None.

34. Contours and Drainage

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

35. Shoreline and Alongshore Detail

See Item 31 in reference to delineation and field edit.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

All landmarks and aids to navigation will be located or verified during field edit. Some of these features were identified during bridging and compilation; however, a field edit will be needed to verify these positions.

38. Control for Future Surveys - None.

39. Junctions

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

40. Horizontal and Vertical Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program.

41 thru 45. Inapplicable.

46. Comparison with Existing Maps

A comparison was made with the following USGS quadrangles:

North Miami - 1962 (69PR) 1:24,000;
Miami 0 1962(69PR) 1:24,000.

Some differences were apparent.

47. Comparison with Nautical Charts

A comparison was made with chart number 847-SC(11467) 1:80,000, September 14, 1974.

Some apparent changes exist.

Submitted by:

G. Fromm

Approved by:

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

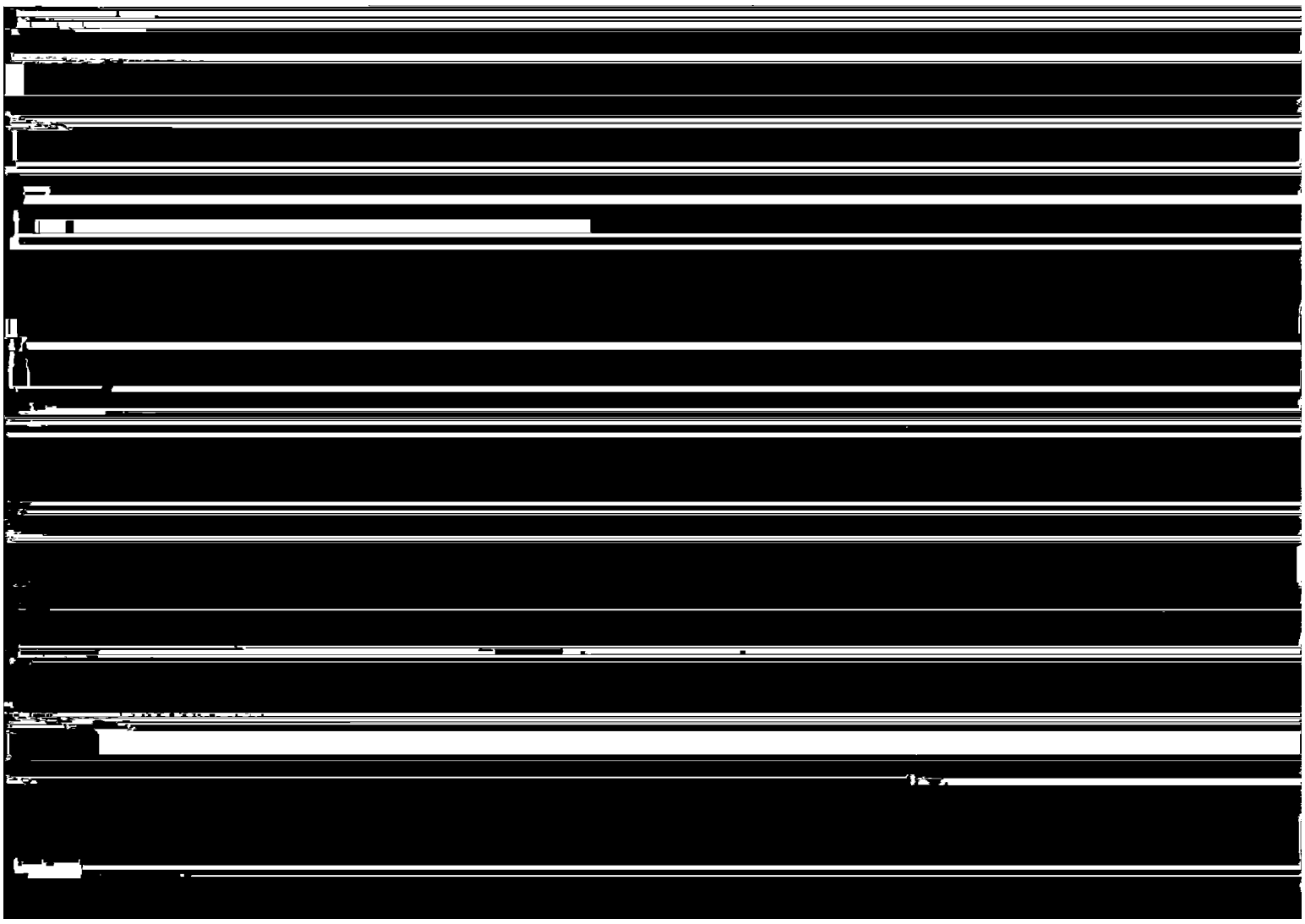
TP-00420
Addendum to Compilation Report

January 1977

TP-00420 is one of six maps (TP-00419, 420, and TP-00422 thru 425), in PH-7113 that upon examination of the proof copy, were rejected because of poor image and tonal quality of the photography used to prepare the orthophotomosaics. Fourteen other maps in the project were approved.

As these six maps cover an area of heavy marine activity, (North Miami Beach, south to Key Biscayne, including Miami Harbor), it was decided that they should have uniformly the best image quality possible. In addition, due to a large amount of construction throughout the area, the need for contemporary photography was evident.

Consequently, photography was flown for the entire area in November 1975 and bridged in June 1976 (see Plot Report). Prior to bridging, 132 aids to navigation were photoidentified in the field on the 1975 photography (see field report dated 3/30/76). Their positions were determined during bridging and with the addition of 11 other aids located by sextant fixes, good positioning was achieved for aids on the six maps. New 76-40 forms will be submitted.



Field Edit Report, Map TP-00420, Job PH 7113

51. METHODS

The shorelines of Biscayne Bay and canals were inspected from a small boat while cruising just off shore. Most of the shoreline is bulkheaded and was not labeled in its entirety. The Atlantic Ocean shoreline was inspected by walking the beach. Some filling of the beach south of Haulover Inlet has taken place, but is not completed at this time. A storm has washed some of the fill southward and has made changes since the H. W. photographs. Mr. Brewer did not think these changes should be mapped.

Four landmarks were recommended for charting. Three were located in the bridging and their positions were verified by using them in the location of aids and piles. One landmark is a triangulation station. A charted landmark, W. Wing Bldg., has lost its value as a landmark and it is recommended to be deleted from the charts.

Most of the aids were located in the bridging and their positions were verified with cuts or relocated when found to be in error.

Two tide gages fall within the limit of this manuscript. The gage at Haulover (inside) is still in place and was identified on photo 7319955, North Miami Biscayne Creek gage has been removed and could not be identified. One tidal Bench Mark was identified for each gage.

Two triangulation stations were recovered.

Field edit notes will be found on the discrepancy print, field edit sheet and the photographs.

52. ADEQUACY of COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATION

None.

55. EXAMINATION of PROOF COPY

Not required.

Submitted By

Robert R. Wagner
Chief, Photo Party 60

REPORT JOB PH 7113, SUPPLEMENT 2

The field work was done from March 22 to March 26, 1976. The location of fixed aids were from approx. 25° 44' to 25° 57' with 143 aids in this area. One hunderd and thirty two were photo identified, ten were located by fixes and one aid Biscayne Bay Daybn 46 did not appear on the photographs and was not in place at the time of field imspection. Biscayne Bay Daybn 44 was not in place at the time of field work, but was at the date of photographs. The aids located by fixes could not be seen on the photographs are were believed to have been moved. In addition some signs, markers and piles that are not in the light list were also identified. Apeco Marina Channel Daybn 7 does not have a name on the pile, but has a range daymark as shown in the light list. Biscayne Bay Daybn 8 was laying on its side and also marked with a bouy. The daybn can be place in its former position. Forms 76-40 are submitted for the aids and the date of location is the date of the photographs for all aids identified. This was done because with the aids being in the water it is next to impossible to tell if they have been moved. With the exception of Miamarian North and South Lights (pier), the aids were not pricked. The prick holes would destroy the images. Just the number of the daybn appears along side of the images of the daybn and Lt. with the number appears along side of the Lights.

One building on 75B8183 is recommended for charting due to its heigh.

Cdr. Reinke, NOAA Ship Base requested three points for location in the bridge. They are on photo 75B8188 and forms 152 is submitted for Sb 1, SB 2 and SB 3.

It was noted that wood piles with white bird dropping showed up better on the photos when the camera was in line with the sun. This gave a good reflected image on the photograph.

Submitted By

Robert R. Wagner
Chief, Photo Party 66
3/30/76

Review Report
Coastal Zone Map TP-00420
May 1979

61. General

The numerouss delays in the compilation of Coastal Zone Maps TP-00419, TP-00420, and TP-00422 thru TP-00426 are adequately explained in the Compilation Report and the Addendum to the Compilation Report.

The manuscript for Coastal Zone Map TP-00420 was inspected in its Class III stage prior to field edit. This inspection comprised of an examination of the manuscript, photography, discrepancy print, and report.

Review of the Class I manuscript consisted of an examination of field edit and its application, reproduction plates, and descriptive report.

The proof copy was examined and edited by the Quality Control Group in advance of 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 section:

Coastal Mapping - Map details
Staff Geographer - Geographic names
Coastal Surveys - Horizontal and Vertical Control

62. Cartographic Comparison

Comparison was made with the following Geological Survey maps and NOS charts:

North Miami, Fla., 1962 photo revised 1972

No significant changes were found.

NOS chart 11467, 17 Edition, dated 7/8/78

No significant changes were found.

63. thru 65.

Inapplicable

66. Adequancy of Results and Future Surveys

Coastal Zone Map TP-00420 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, Photogrammetry Division

April 5, 1977

GEOGRAPHIC NAMES

PH-7113 (Hillsboro Inlet to Card Sound, Florida)

TP-00420

Allison Island
Arch Creek
Atlantic Ocean
Bakers Haulover Inlet
Bal Harbour
Bay Harbor Islands
Belle Meade Island
Bird Key
Biscayne Bay
Biscayne Canal
Biscayne Island
Biscayne Park
Biscayne Point
Edison Center
El Portal
Emerald Lake
Florida East Coast (RR)
Harbor Island
Haulover Beach
Indian Creek (2 parts)
Indian Creek Lake
Indian Creek Village

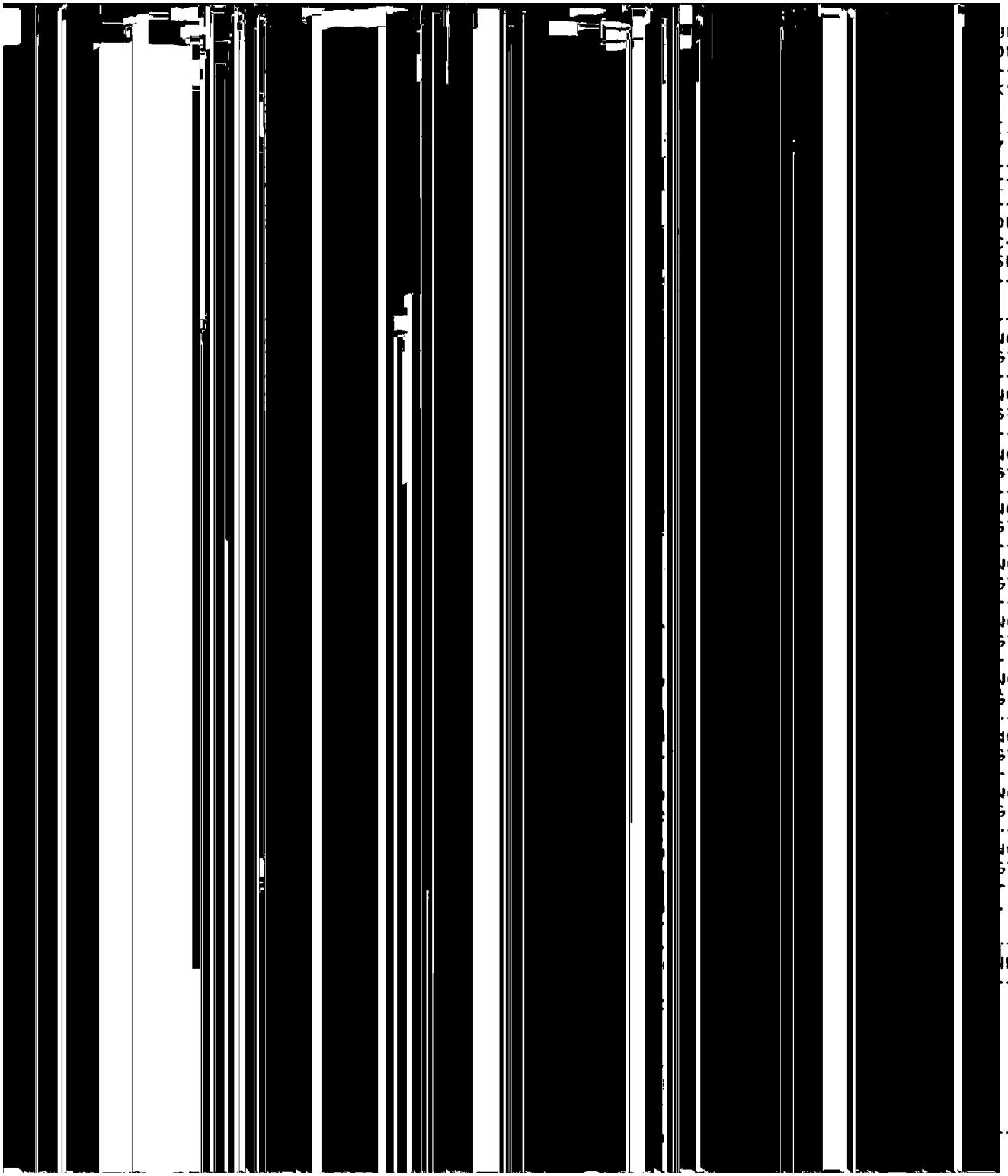
[redacted]

Keystone Islands
La Gorce Island
Lake Belmar
Lake Ward
Lemon City
Little River
Little River (locality)
Miami Beach
Miami Shores
New Arch Creek
Normandy Isle
Normandy Shores
Normandy Waterway
North Bay Island
North Bay Village
North Miami
Park View Island
Point Lake
San Souci Estates
Surfside
Tatum Waterway
Treasure Island

Approved by:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2



URVEY NOAA
OMMERCE USA

TERMINAL
ERSION
09/20/76

KVILLE, MD. * PAGE 1 OF 7 *

IAMI BEACH *ORIGINATING ACTIVITY*
* COMPILATION *

ETERMINE THEIR VALUE AS LANDMARKS *

DES* METHOD AND DATE *		CHARTS
C-C * OF LOCATION *		
SEQ * OFFICE *	FIELD	*AFFECTED*
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8197	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8197	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8196	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8196	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8196	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8496	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8196	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8144	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8144	
NOT *	P-5	
STZD*	11/24/75	11467
	75BC8144	

EL *

ORIGINATOR

FIELD REPRESENTATIVE
OFFICE COMPILER
DIGITIZER
DATA PROCESSER

SVY TP-00420		RPT UNIT CMD ROCKVILLE, MD.	PAGE 2 OF 7	
JOB PH-7113	NONFLOATING AIDS FOR CHARTS	STATE FLORIDA		
PRJ 833205	TO BE CHARTED	LOCALITY NORTH MIAMI BEACH	ORIGINATING ACTIVITY	
DTM NA 1927		DATE 02/11/77	COMPILATION	

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
DYBN 16	BISCAYNE BAY	25 52 43.75 80 08 57.64	1346.3 1604.7	NOT DGTZD		P-5 11/24/75 75BC8144	11467
DYBN 17	BISCAYNE BAY	25 52 27.98 80 09 06.41	861.0 178.5	NOT DGTZD		P-5 11/18/75 75BC7529	11467
LIGHT 18	BISCAYNE BAY	25 52 14.46 80 09 20.44	445.0 569.1	NOT DGTZD		P-L-4-8 03/23/76	11467
DYBN 19	BISCAYNE BAY	25 51 58.82 80 09 28.85	1810.0 803.3	NOT DGTZD		P-5 11/18/75 75BC7527	11467
DYBN 20	BISCAYNE BAY	25 51 46.46 80 09 40.81	1429.7 1136.3	NOT DGTZD		P-L-4-8 03/23/76	11467
DYBN 21	BISCAYNE BAY	25 51 30.45 80 09 50.47	937.0 1405.3	NOT DGTZD		P-L-4-8 03/23/76	11467
DYBN 22	BISCAYNE BAY	25 51 18.89 80 10 02.13	581.3 59.3	NOT DGTZD		P-5 11/18/75 75BC7524	11467
LIGHT 23	BISCAYNE BAY	25 51 13.21 80 10 03.57	406.5 99.4	NOT DGTZD		P-5 11/18/75 75BC7524	11467
DYBN 24	BISCAYNE BAY	25 51 14.38 80 10 05.96	442.5 166.0	NOT DGTZD		P-5 11/18/75 75BC7524	11467
DYBN 25	BISCAYNE BAY	25 51 05.56 80 10 10.10	171.1 281.2	NOT DGTZD		P-5 11/18/75 75BC7523	11467

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER	FIELD REPRESENTATIVE
	RON D. RICH	OFFICE COMPILER
	N/A	DIGITIZER
	JAMES H. TAYLOR	DATA PROCESSER

SVY TP-00420		RPT UNIT CMD ROCKVILLE, MD.	PAGE 3 OF 7
JOB PH-7113	NONFLOATING AIDS FOR CHARTS	STATE FLORIDA	
PRJ 833205	TO BE CHARTED	LOCALITY NORTH MIAMI BEACH	ORIGINATING ACTIVITY
DTM NA 1927		DATE 02/11/77	COMPILATION

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
LIGHT 26	BISCAYNE BAY	25 51 03.33 80 10 17.54	102.5 488.4	NOT DGTZD	P-5 11/18/75	11467 75BC7523	
DYBN 27	BISCAYNE BAY	25 50 33.71 80 10 17.21	1037.3 479.3	NOT DGTZD	P-5 11/24/75	11467 75BC8163	
DYBN 28	BISCAYNE BAY	25 50 16.45 80 10 21.07	506.2 586.8	NOT DGTZD	P-5 11/24/75	11467 75BC8165	
DYBN 29	BISCAYNE BAY	25 50 14.32 80 10 19.02	440.7 529.7	NOT DGTZD	P-5 11/24/75	11467 75BC8165	
DYBN 2	BISCAYNE BAY PALM BAY CLUB CHANNEL	25 50 14.76 80 10 22.59	454.2 629.1	NOT DGTZD	P-5 11/24/75	11467 75BC8164	
DYBN 3	PALM BAY CLUB CHANNEL	25 50 13.71 80 10 27.72	421.9 772.0	NOT DGTZD	P-5 11/24/75	11467 75BC8165	
DYBN 4	PALM BAY CLUB CHANNEL	25 50 14.51 80 10 32.12	446.5 894.5	NOT DGTZD	P-L-4-8 03/25/76	11467	
DYBN 5	PALM BAY CLUB CHANNEL	25 50 13.50 80 10 34.66	415.4 965.3	NOT DGTZD	P-5 11/24/75	11467 75BC8165	
DYBN 6	PALM BAY CLUB CHANNEL	25 50 14.43 80 10 37.51	444.0 1044.6	NOT DGTZD	P-5 11/24/75	11467 75BC8165	
DYBN 7	PALM BAY CLUB CHANNEL	25 50 13.35 80 10 41.30	410.8 1150.2	NOT DGTZD	P-5 11/24/75	11467 75BC8165	

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER RON D. RICH N/A JAMES H. TAYLOR	FIELD REPRESENTATIVE OFFICE COMPILER DIGITIZER DATA PROCESSER

SVY TP-00420		RPT UNIT CMD ROCKVILLE, MD.	PAGE 4 OF 7	
JOB PH-7113	NONFLOATING AIDS FOR CHARTS	STATE FLORIDA		
PRJ 833205	TO BE CHARTED	LOCALITY NORTH MIAMI BEACH	ORIGINATING ACTIVITY	
DTM NA 1927		DATE 02/11/77	COMPILATION	

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
DYBN 8	BISCAYNE BAY PALM BAY CLUB CHANNEL	25 50 14.37 80 10 41.48	442.2 1155.2	NOT DGTZD		P-5 11/24/75	11467 75BC8165
LIGHT 2	BISCAYNE BAY MIAMI BEACH CHANNEL	25 52 06.46 80 08 42.21	198.8 1175.2	NOT DGTZD		P-5 11/24/75	11467 75BC8148
DYBN 3	MIAMI BEACH CHANNEL	25 51 50.56 80 08 40.37	1555.9 1124.0	NOT DGTZD		P-5 11/24/75	11467 75BC8148
DYBN 4	MIAMI BEACH CHANNEL	25 51 49.34 80 08 43.41	1518.3 1208.7	NOT DGTZD		P-5 11/24/75	11467 75BC8148
DYBN 5	MIAMI BEACH CHANNEL	25 51 42.34 80 08 41.16	1302.9 1146.0	NOT DGTZD		P-5 11/24/75	11467 75BC8148
DYBN 6	MIAMI BEACH CHANNEL	25 51 40.66 80 08 44.02	1251.2 1225.7	NOT DGTZD		P-5 11/24/75	11467 75BC8148
DYBN 8	MIAMI BEACH CHANNEL	25 51 14.46 80 08 50.78	445.0 1414.0	NOT DGTZD		P-5 11/24/75	11467 75BC8148
LIGHT 9	MIAMI BEACH CHANNEL	25 50 46.80 80 08 01.04	1440.2 29.0	NOT DGTZD		P-5 11/24/75	11467 75BC8150
DYBN 10	MIAMI BEACH CHANNEL	25 50 19.21 80 08 12.20	591.1 339.8	NOT DGTZD		P-5 11/22/75	11467 75BC7907
DYBN 2	BISCAYNE BAY JOCKEY CLUB MARINA	25 52 46.06 80 09 00.28	1417.4 7.8	NOT DGTZD		P-5 11/24/75	11467 75BC7531

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER RON D. RICH N/A JAMES H. TAYLOR	FIELD REPRESENTATIVE OFFICE COMPILER DIGITIZER DATA PROCESSER

IONAL OCEAN SURVEY NOAA
EPARTMENT OF COMMERCE USA

TERMINAL
ERSION
09/20/76

UNIT CMD ROCKVILLE, MD.
STATE FLORIDA
ALITY NORTH MIAMI BEACH
DATE 02/11/77

ORIGINATING ACTIVITY
COMPILATION

M SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

POSITION DE UDE	DM DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
4.58 0.49	1371.8 13.6	NOT DGTZD		P-5 11/24/75 75BC7531	11467
6.62 7.52	1434.6 209.4	NOT DGTZD		P-5 11/24/75 75BC7531	11467
5.28 8.59	1393.4 239.1	NOT DGTZD		P-5 11/24/75 75BC7531	11467
7.15 4.49	1450.9 403.4	NOT DGTZD		P-5 11/24/75 75BC7531	11467
5.87 4.98	1411.5 417.0	NOT DGTZD		P-L-4-8 03/23/76	11467
7.82 2.76	1471.5 633.6	NOT DGTZD		P-5 11/24/75 75BC7531	11467
6.62 3.19	1434.6 645.6	NOT DGTZD		P-5 11/24/75 75BC7531	11467
8.22 8.30	1483.9 787.8	NOT DGTZD		P-5 11/24/75 75BC7531	11467
7.01 8.64	1446.6 797.3	NOT DGTZD		P-5 11/24/75 75BC7531	11467
4.49 7.98	1369.1 1057.3	NOT DGTZD		P-5 11/24/75 75BC7531	11467

43

ONSIBLE PERSONNEL	ORIGINATOR
T R. WAGNER	FIELD REPRESENTATIVE
N D. RICH	OFFICE COMPILER
N/A	DIGITIZER
S H. TAYLOR	DATA PROCESSER

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA TERMINAL
LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE USA VERSION 09/20/76

SVY TP-00420		RPT UNIT CMD ROCKVILLE, MD.	PAGE 6 OF 7	
JOB PH-7113	NONFLOATING AIDS FOR CHARTS	STATE FLORIDA		
PRJ 833205	TO BE CHARTED	LOCALITY NORTH MIAMI BEACH	ORIGINATING ACTIVITY	
DTM NA 1927		DATE 02/11/77	COMPILATION	

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARTING NAME	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE LONGITUDE	DM DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	FIELD	CHARTS AFFECTED
DYBN 15	BISCAYNE BAY JOCKEY CLUB MARINA	25 52 43.24 80 09 38.60	1330.6 1074.6	NOT DGTZD		P-5 11/24/75 75BC7531	11467
DYBN 17	JOCKEY CLUB MARINA	25 52 40.84 80 09 41.93	1256.8 1167.3	NOT DGTZD		P-5 11/24/75 75BC7531	11467
DYBN 19	JOCKEY CLUB MARINA	25 52 38.41 80 09 45.25	1182.0 1259.8	NOT DGTZD		P-5 11/24/75 75BC7531	11467

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER	FIELD REPRESENTATIVE
	RON D. RICH	OFFICE COMPILER
	N/A	DIGITIZER
	JAMES H. TAYLOR	DATA PROCESSER

[redacted]