Original

TP-00451

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Coastal Boundary

Job No. PH-7119 *Map No.* TP-00451

Classification No. Final Field Edited Map *Edition No.* 1

LOCALITY

State Florida

General Locality Monroe County

Locality Rattlesnake Key to El Radabob Key

1972 TO 1975

REGISTRY IN ARCHIVES

DATE

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

TP-00451

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- 00451
MAP EDITION NO. (1)
MAP CLASS Final
JOB PH- 7119

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 1, 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 1, 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): Mean water level. Refer to NOAA Form 76-36B(1) for explanation

3. MAP PROJECTION: Transverse Mercator

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

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	J. McNeel	6/74
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Calcom	PLOTTED BY	R. Robertson	12/74
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	P. Gibson	5/75
	CHECKED BY	J. Battley	5/75
METHOD: Graphic	CONTOURS BY	Inapplicable	
	CHECKED BY		
	HYDRO SUPPORT DATA BY	Inapplicable	
SCALE: 1:10,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley	10/75
6. APPLICATION OF FIELD EDIT DATA	BY	J. McClure	10/75
	CHECKED BY	C. Lewis	12/75
7. COMPILATION SECTION REVIEW	BY	J. Battley	1/76
8. FINAL REVIEW	BY	D. Brant	7/76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	7/76
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATDK	9/76

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

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

NOAA FORM 76-36B
(3-72)

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

TP-00451

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8

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

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

TIDE STAGE REFERENCE
[ ] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[XX] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
73L(C)2787R-2789R	3/5/73	1414	1:40,000	The stage of tide is inapplicable for the color photography.
72K6511R-6512R	2/16/72	1107	1:30,000	Refer to NOAA Form 76-36B(1) for stage of tide data
72K6370-6372R	2/14/72	1407	1:30,000	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE: The source of the MHW line (Atlantic Ocean) and the MWL (Blackwater Sound) 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 and shoal areas.

Where the shoreline is obscured by vegetation such as mangrove, the apparent shoreline symbol was used.

TP-00451 was field edited in August 1975.

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

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

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00448	No Contemporary Surveys		TP-00450

REMARKS
Final junctions will be 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 -00451

LOCATION AND PHOTOGRAPHY	TIDE STATIONS *(In operation at time of photography)*	STAGE OF TIDE	MEAN RANGE
ATLANTIC OCEAN & LARGO SOUND			
72K6511-6512R	Tavernier, Hawk Channel	+0.10MHW	2.13ft.
72K6370-6372	Tavernier, Hawk Channel	+0.13MLW	
BLACKWATER SOUND			
72K6370-6372R	Barnes Sound	+0.30MWL	

REMARKS: The periodic tide on TP-00451 (Blackwater Sound) was masked by non-tidal forces and the mean range was substantially less than two-tenths of a foot. In this situation the mean high/low water datums converge, and for mapping purposes, the mean high and low water lines are indistinguisable. As a consequence, special treatment was given to the portrayal of the shoreline on this map; the mean water level line was mapped in lieu of the mean high water line and shown by a distinative symbol.

NOAA FORM 76-36C
(3-72)

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

TP-00451

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION * Feb. Mar. 1972 [X] FIELD EDIT OPERATION Aug. 1975

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY	R. R. Wagner	8/75
	ESTABLISHED BY	Inapplicable	
	PRE-MARKED OR IDENTIFIED BY	Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY	R. R. Wagner	8/75
	ESTABLISHED BY	Inapplicable	
	~~PRE-MARKED~~ IDENTIFIED BY	R. R. Wagner	8/75
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	R. R. Wagner	8/75
	IDENTIFIED BY	R. R. Wagner	8/75
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. R. Wagner	8/75
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	73L2788R	IWSM 9 (USE), BM NO 1 BM 22.35

3. PHOTO NUMBERS (*Clarification of details*)

72K6372, 73L2787R thru 2789R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

One landmark was located. Nonfloating aids were located or verified by field edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

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

7. SUPPLEMENTAL MAPS AND PLANS

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

5 pages of sextant cuts

* Refer to Field Report bound with this Descriptive Report.

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

NOAA FORM 76-36D
(3-72)

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

TP-00451

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
NO MAP COPIES WERE FURNISHED TO NAUTICAL CHARTS PRIOR TO FINAL REVIEW.				
			9/9/76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		11/20/75	Four (4) digitized Forms 76-40 are submitted
			as final report

2. [XX] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 11/20/75
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

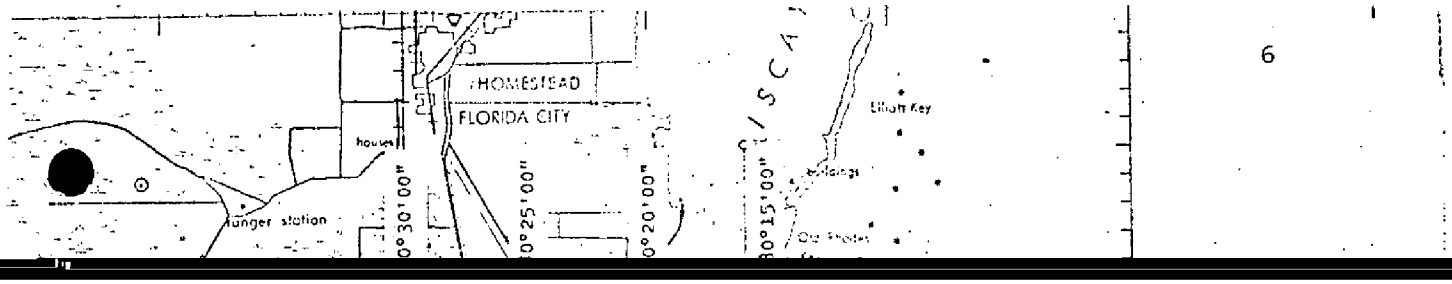
1. [✓] BRIDGING PHOTOGRAPHS; [✓] DUPLICATE BRIDGING REPORT; [✓] COMPUTER READOUTS.
2. [✓] CONTROL STATION IDENTIFICATION CARDS; [✓] FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [✓] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4.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

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

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

NOAA FORM 76-36D

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


HOMESTEAD
FLORIDA CITY
houses
Ranger station
25°30'00"
25°25'00"
25°20'00"
80°15'00"
Elliott Key
Old Rhodes

SUMMARY
for
TP-00444 thru TP-00454

Coastal Zone Map TP-00451 is one of eleven (11), 1:10,000 scale (shoreline type) maps in Job PH-7119. These maps will not be published. Interior detail is limited to a narrow zone of planimetry usually back to and including the first road.

A layout of Job PH-7119 (revised since the aerotriangulation operation) will show the location of the individual maps. A copy of this layout is included in this Descriptive Report.

[redacted]

shallow lines used by 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.

The following items will be registered in the NOS Archives:

1. A stable base copy of the Registration Copy.
2. The Descriptive Report.

The negative of the Registration Copy is filed in the Reproduction Division.

Field records such as field edit sheets, discrepancy prints, field edit photographs, and other field records are filed in the National Archives.

FIELD REPORT

JOB PH-7119

This report is on work done in accordance with Instructions-field-Job PH-7119, Horizontal Control for Aerotriangulation

[redacted]

was flown for MLW at 1325-1335 on August 6 when the MIAMI BISCAYNE BAY staff read 2.3 and 2.2. The south end was flown for MLW at 1425-1435 on August 6 when the CUTLER staff read 2.75 and 2.69.

Line 30-5. MHW North half flown at 805-815 on August 7 when CUTLER staff read 4.5 to 4.7. South half flown at 1220-1235 on August 7 when the TURKEY POINT staff read 3.15 to 3.05. MLW North half was flown at 1430-1435 on 6 August when the CUTLER

mile NNE of the Molasses Reef light. The shoal was photographed at about 0900 on August 10 when the TAVERNIER HAWK CHANNEL staff was in MHW range. It was flown at 1206 on August 16 when the staff read 2.31. This shoal was also photographed in color and false color, but the times were not obtained from the photographer.

5. FORESHORE PROFILES

Four planetable beach profiles were run within the limits of the job by Mr. Dale Fuller during the photography period. A brief report accompanies the profile sheet.

6. FIELD RECORDS

All CSI cards, recovery notes, profiles and the original field records for IRVING 1971 were forwarded to C3413 on 1 March 1972. Form 277, Tides Volumes for the MIAMI BISCAYNE BAY, TURKEY POINT, and CUTLER Tide staffs were also forwarded on 1 March. The 277's for the other staffs will be forwarded with the report for the February 1972 photography.

Submitted 29 February 1972

John C. Veselenak

John C. Veselenak
Chief, Photo Party 65

FIELD REPORT

JOB PH-7119

This report is on work done in accordance with Instructions-Field-Job PH-7119; Horizontal Control for Aerotriangulation and Field Support for Aerial Photography; Coastal Boundary Mapping, Card Sound to Plantation Key, Florida, dated January 31, 1972. The field work was done during the period 7-23 February 1972.

1. PREMARKING OF CONTROL

Four stations were paneled for 1:30,000 scale photography. The locations are shown on the chart section accompanying this report.

2. AEROTRIANGULATION PHOTOGRAPHY

Flight lines are shown on the chart. Color photography was accomplished on February 19, 1972 between the approximate times of 1045 and 1230 hours. The skies were exceptionally clear for this area and the ground winds was from the northwest at 20-25 knots all morning. These lines were also flown on February 14, but the photography was unacceptable because of a bad film emulsion.

3. TIDE-COORDINATED PHOTOGRAPHY

Locations of the tide staffs are shown on the chart. The job was completed; photography taken on the 12, 14, 15, 16, and 20, of February. Lines 20-2 and 30-3 were also photographed and portions of the other lines were also partially photographed during August 1971.

Recordings entered in the tide volumes, Form 277, were at 5 minute intervals during photography and at 15 minute intervals near photography. An exception to this is the readings for the MANATEE CREEK and BARNES SOUND staff where the tide varies only a few hundredths of a foot per day. Tolerances of ±0.30 foot for MHW, ±0.20 foot for MWL, and ±0.10 foot for MLW were observed. Wet staff readings - crest, mean, and trough - were recorded while photography was in progress. Eastern Standard Time was used.

Line 20-1. MHW Completed at 1050 on February 14 when the RACCED KEYS staff read 3.38-3.26. MLW Completed at 1500 on February 14 when the staff read 1.80.

Line 20-2. MHW Flown at 1035-1052 on 16 February when the OCEAN REEF staff read 4.75-4.61. This line was also flown at 1006 on February 15, but the pilot recommended it be re-

[redacted]

mouth of the northern cut (MANGROVE POINT) was observed and its value recorded at 5 minute intervals from 1135 to 1300 hours. The latter staff values are listed in the EAST ARSENICKER Form 277.

5. FORESHORE PROFILES

Four planetable beach profiles were run within the limits of the job during the photography period of August 1971. The few small beaches found for the profiles were of coral, and since erosion is not considered a problem, these profiles were not rerun.

6. MONITORING OF TEMPORARY TIDE STAFFS IN THE JOB AREA

On February 15 verbal instructions were received from the Chief, Tidal Datum Planes: Temporary staffs were to be put in at 11 selected locations and observed every 12, 15, or 30 minutes through one high and one low water. All 11 need not be observed simultaneously and the actual location could be varied slightly. Four were observed on the 16th., two on the 17th., 1 on the 20th., and four on the 21st. The chart accompanying this report shows the exact location of each staff.

7. FIELD RECORDS

All CSI cards, Form 277's and a copy of the records from the 11 tide staffs were sent to C3413 on 13 March 1972. The original field records for the 11 staffs were forwarded to C3311 on 23 February 1972. Profiles and recovery notes were sent to C3413 on 1 March 1972 with the report for work done on this job in August 1971.

Submitted 14 March 1972

John C. Veselenak

John C. Veselenak
Chief, Photo Party 65

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 strip No. 6. Tie points were located in this area and tie point 544801 was used as a terminal control point for strip No. 6.

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

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

Irving 1971
Mangrove (USE) 1930 Sub Point A
Sands Cut RM2, 1849-1947 Sub station

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

Rubi, 1930-1948 Reset
Man, 1930
Angelfish Key RM3, 1853
Narrow Point, 1854
Long Sound 1961
Snipe Pt., 1934, substation
Knowlson, 1935, substation
Hull Key, 1852
Rock Harbor 2, 1961
Lower Sound Point, 1853 substation
Sub Station, Key Largo Cable Visions Inc., Taller Mast, 1961
Largo, 1962
Low 2, RM2, 1934
Planter 2, RM4

3

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

Tavernier 1935
Snake 1934 Sub. Sta.

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

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

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

Part-way through the compilation phase of this project, it was determined that the published control positions in the area of this report were in error approximately - 4 feet in X and -10 ft.

[redacted]

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:

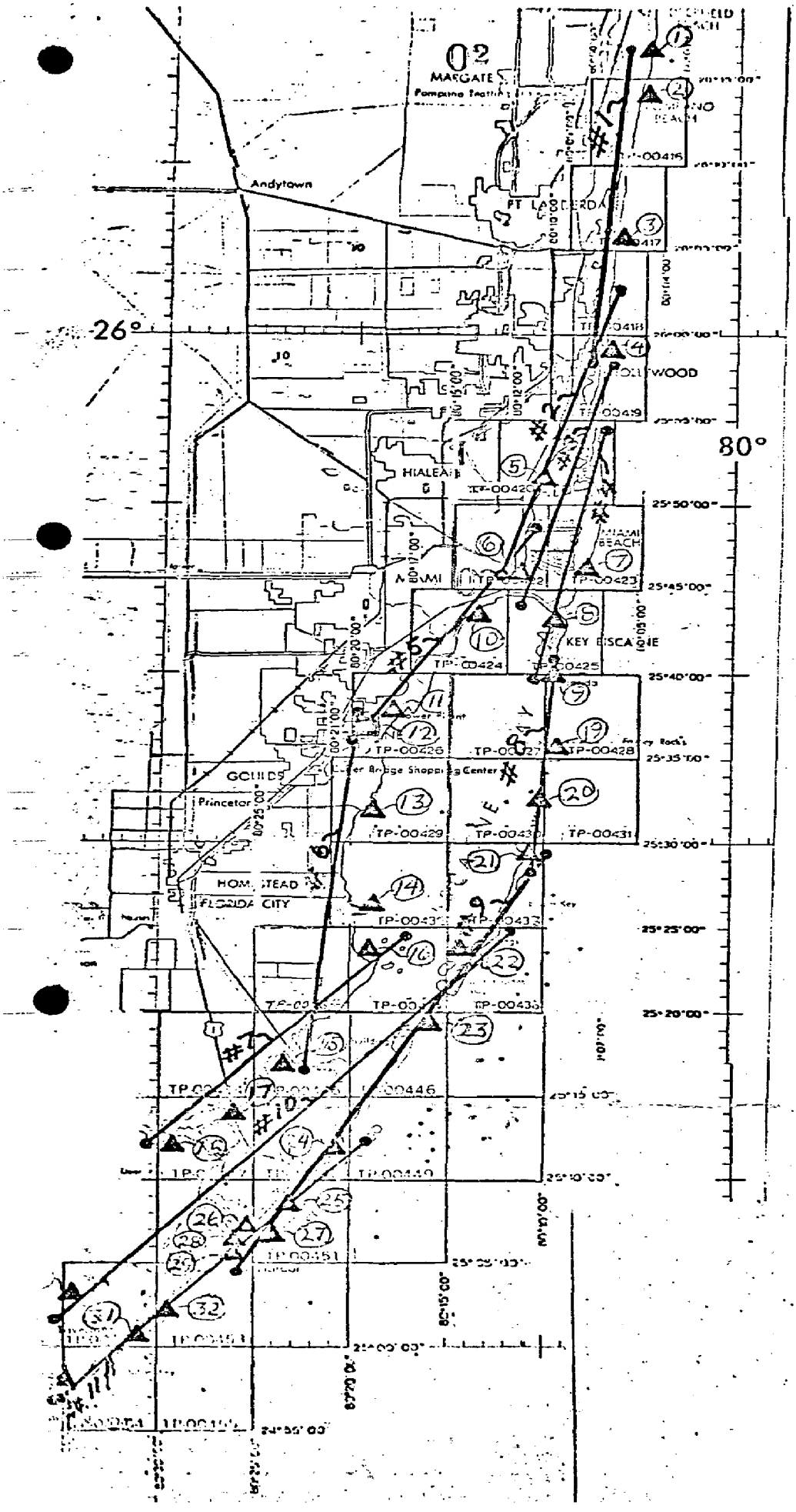
John D. Perrow, Jr.
Chief, Aerotriangulation Section

CONTROL STATIONS

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

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

** means not used in adjustments



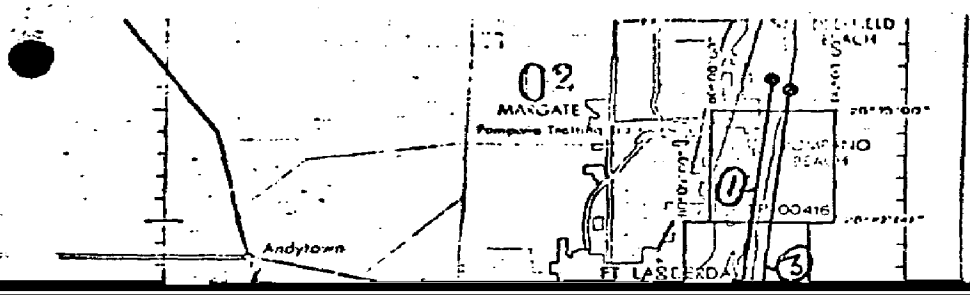
JOB PH-7113
AND
JOB PH-7119

HILLSBORO INLET
TO
PLANTATION KEY,
FLORIDA

CONTROL STATIONS
USED IN THE
ADJUSTMENTS

INFRA-RED CONTACT PRINTS

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



JOB PH-7113

FLORIDA– NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP– 00451

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
POINT WILLIE 1853	Book 424 P. 17, 31; GP 378; Fla. Vol. 1; PC Fla. E. zone P. 97
ELBA 1852	Book 424 P. 18, 32, 35; GP P. 518 Fla. Vol. 1; PC Fla. E. zone P. 131

Compilation Report
TP-00451
May 1975

31. Delineation

The tidal datum lines on this map were compiled graphically from the tide-coordinated, black-and-white infrared photography. This photography was controlled by map points determined by aerotriangulation and planimetric features compiled from the rectified prints of the color infrared photography. The color infrared photography was also used as an aid for interpreting culture shoreline.

Interior details were compiled from the rectified prints of the color infrared photography.

32. Control

Horizontal control was adequate. (See photogrammetric plot report.)

33. Supplemental Data - None.

34. Contours and Drainage

Contours are inapplicable. Drainage was compiled from the rectified prints of the color infrared photography.

35. Shoreline and Alongshore Features

The photography was adequate for the delineation and interpretation of the shoreline and alongshore features. Several areas of shoreline in Blackwater Sound, Largo Sound, and the Atlantic Ocean were brought to the attention of the field editor for verification.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

No charted landmarks were located by bridging or compilation. Two lights were located, and any additional aids to navigation will be located during field edit.

38. Control for Future Surveys - None

39. Junctions

Refer to NOAA Form 76-36B.

40. Horizontal and Vertical Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program as outlined by Project Instructions, PH-7000.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS Quads:

Blackwater Sound, Fla., 1:24,000, photorevised 1969
Garden Cove, Fla., 1:24,000, photorevised 1969
Rock Harbor, Fla., 1:24,000, photorevised 1969

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11451, 1:80,000, dated September 1974
11463, 1:40,000, dated August 1974
1249, 1:80,000, dated April 1973

Respectfully submitted,

Peter N. Gibson

Approved and Forwarded:

Peter P. Bartley Jr.

Chief, Coastal Mapping Section

FIELD EDIT REPORT MAP TP-00451, Job PH 7119

51. METHODS

The shoreline was inspected from a small boat while cruising just off shore. Notes regarding apparent and fast shoreline, piers and other along shore details were made on the rectified photographs.

Two triangulation stations were recovered.

Three vertical control stations were recovered and identified.

There are no landmarks on this manuscript.

All known aids were located, verified or identified. Key Largo Daybeacon was not in place at the time of field edit.

Three tide gages were identified. Blackwater Sound tide gage with Tidal BM 2 and Largo Sound, Key Largo tide gage with Tidal BM 1 are identified on photograph 73L2788R. South Sound, Key Largo tide gage with Tidal BM 1 is identified on photograph 73L2789R.

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 8/18/75

Robert R. Wagner
Chief, Phot Party 60

ADDENDUM # 1 TO TP-00651

A concrete tower was located to be added as a landmark to this manuscript.

Robert R. Wagner
Chief, Photo Party 66
2/09/76

REVIEW REPORT
TP-00451

August 1976

61. General

The map manuscript for Coastal Zone Map TP-00451 was inspected as a Class III map (compilation, discrepancy print, and report) and reviewed as a Class I map by the Quality Control Group. The review consisted of an examination of the map manuscript, the field edit and its application, the reproduction negatives, and the Descriptive Report.

The proof copy of this map was edited by the Quality Control Group before making final copies. 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

There were no planetable beach profiles available for compilation or final review.

62. Cartographic Comparison

Comparison was made with the following USGS quadrangle maps; 1:24,000 scale:

Blackwater Sound, Florida, 1947, Photorevised 1969
Rock Harbor, Florida, 1947 Photorevised 1969

Comparison was made with the following nautical chart; 1:40,000 scale:

11463 (formerly C&GS 849 and 850), 7th Edition, dated August 3, 1974

Chart 11463 shows an extensive area of MLW along El Radabob Key at latitude 25°7.5' and longitude 80°23.4'. The tide-coordinated, black-and-white infrared photography did not indicate this MLW area and is not shown on TP-00451.

Refer to the Field Edit Report for explanation.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00451 complies with the Instructions for NOS Cooperative 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

27 Jan. 1975

GEOGRAPHIC NAMES

PH-7119 (Card Sound to Plantation Key, Florida)

TP-00451

Anglers Park
Atlantic Ocean
Blackwater Sound
Crawfish Creek
Cross Key Waterways
El Radabob Key
Everglades National Park
~~Hawk Channel~~ JM
John Pennekamp Coral Reef State Park
Key Largo (locality)
Key Largo
Key Largo Waterway
Largo Sound
Lower Sound Point
North Sound Creek
Point Willie CEH
Rattlesnake Key
Sexton Cove
Sound Point
South Sound Creek
Stillwright Point
Taylor Creek
Twin Harbors
Whitmore Bight

ok
6-14-76
CEH

Approved by:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA VERSION
LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE USA 10/75

SVY TP-00451 | RPT UNIT CMD ROCKVILLE, MD. | PAGE 1 OF 3
JOB PH-7119 | NONFLOATING AIDS FOR CHARTS | STATE FLORIDA
PRJ R | TO BE CHARTED | LOCALITY LARGO SOUND | ORIGINATING ACTIVITY
DTM NA 1927 | DATE 11/11/75 | 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
	HAWK CHANNEL						
DYBN 33	KEY LARGO	25 8 17.88 80 23 1.80	550.2 50.4	219 1		P-L-3-8 08/12/75	11451 11463 11462
	HAWK CHANNEL LARGO SOUND CHANNEL						
LIGHT 2	DITTO	25 5 45.00 80 23 51.39	1384.6 1440.0	200 20	73LC2789R	P-V-8 08/12/75	DITTO
DYBN 3	DITTO	25 5 48.56 80 24 9.30	1494.2 260.6	219 2		P-L-3-8 08/12/75	DITTO
DYBN 4	DITTO	25 5 51.61 80 24 17.34	1588.0 485.9	219 3		DITTO	DITTO
DYBN 5	DITTO	25 5 50.77 80 24 17.60	1562.2 493.2	219 4		DITTO	DITTO
DYBN 6	DITTO	25 5 55.03 80 24 30.80	1693.2 863.0	219 5		DITTO	DITTO
DYBN 7	DITTO	25 5 54.28 80 24 30.95	1670.2 867.2	219 6		DITTO	DITTO
DYBN 8	DITTO	25 5 58.66 80 24 45.16	1804.9 1265.4	219 7		DITTO	DITTO

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER P. DEMPSEY AND VERIFIED BY J. BATTLEY J. PIRRONE J. TAYLOR	FIELD REPRESENTATIVE OFFICE COMPILER DIGITIZER DATA PROCESSER

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA VERSION
LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE USA 7/18/75

SVY TP-00451 | RPT UNIT CMD ROCKVILLE, MD. | PAGE 2 OF 3
JOB PH-7119 | NONFLOATING AIDS FOR CHARTS | STATE FLORIDA
PRJ R | TO BE CHARTED | LOCALITY LARGO SOUND | ORIGINATING ACTIVITY
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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
	HAWK CHANNEL						
	LARGO SOUND CHANNEL						
LIGHT 9	DITTO	25 5 58.28 80 24 46.16	1793.2 1293.4	200 21	*73LC2789R	P-V-8 08/12/75	11451 11463 11462
DYBN 10	DITTO	25 5 1.04 80 24 46.68	32.0 1307.9	219 8		P-L-3-8 08/12/75	DITTO
DYBN 11	DITTO	25 5 2.02 80 24 48.25	62.2 1351.9	219 9		DITTO	DITTO
DYBN 12	DITTO	25 5 13.08 80 24 52.45	402.5 1469.6	219 10		DITTO	DITTO
DYBN 13	DITTO	25 5 21.37 80 24 44.53	657.5 1247.6	219 11		DITTO	DITTO
DYBN 14	DITTO	25 5 25.74 80 24 39.41	792.0 1104.2	219 12		P-5 08/12/75 73LC2789R	DITTO
DYBN 16	DITTO	25 5 55.08 80 24 10.76	1694.8 301.5	219 13		P-L-3-8 08/14/75	
DYBN 17	DITTO	25 7 1.69 80 24 8.31	52.0 232.8	219 14		DITTO	DITTO
DYBN 19	DITTO	25 7 14.88 80 24 10.67	457.8 298.9	219 15		P-5 08/12/75 73LC2789R	DITTO

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER P. DEMPSEY AND VERIFIED BY J. BATTLEY J. PIRRONE J. TAYLOR	FIELD REPRESENTATIVE OFFICE COMPILER DIGITIZER DATA PROCESSER

76-40 LISTING — PHOTOGRAMMETRIC BRANCH, COASTAL MAPPING DIVISION — NATIONAL OCEAN SURVEY, DEPARTMENT OF COMMERCE USA — FILE VERSION 08/75

SVY TP-00451 | JOB PH-7119 | PRJ R | DTM NA 1927 | NONFLOATING AIDS FOR CHARTS TO BE CHARTED | RPT UNIT CMD ROCKVILLE, MD. | STATE FLORIDA | LOCALITY LARGO SOUND | DATE 11/11/75 | PAGE 3 OF 3 | ORIGINATING ACTIVITY 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 OP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	METHOD AND DATE OF LOCATION FIELD	CHARTS AFFECTED
	HAWK CHANNEL LARGO SOUND CHANNEL						
DYBN 20	DITTO	25 7 24.38 80 24 .75	750.2 21.0	219 16		P-L-3-8 08/15/75	11451 11463 11462
DYBN 21	DITTO	25 7 24.97 80 24 1.49	768.3 41.7	219 17		DITTO	DITTO
DYBN 22	DITTO	25 7 33.65 80 23 51.22	1035.4 1434.9	219 18		DITTO	DITTO
DYBN 23	DITTO	25 7 34.17 80 23 51.96	1051.4 1455.6	219 19		DITTO	DITTO
	DYBN 31 WAS NOT IN PLACE AT TIME OF FIELD EDIT 8-12-75						

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER P. DEMPSEY AND VERIFIED BY J. BATTLEY J. PIRRONE J. TAYLOR	FIELD REPRESENTATIVE OFFICE COMPILER DIGITIZER DATA PROCESSER

SVY TP-00451		RPT UNIT CMD ROCKVILLE, MD.	PAGE 4 OF 4	
JOB PH-7119	LANDMARKS FOR CHARTS	STATE FLORIDA		
PRJ R	TO BE CHARTED	LOCALITY LARGO SOUND	ORIGINATING ACTIVITY	
DTM NA 1927		DATE 11/11/75	COMPILATION	

THE FOLLOWING OBJECTS HAVE 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
CONC. TOWER	CONC. MICRO TOWER, S. BELL HT=170(185)	25 7 19.81 80 24 58.54	609.5 1640.0	NOT DGTZD		P-L-5 02/19/76 73LC2789R	11451 11462

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	ROBERT R. WAGNER	PHOTO FIELD PARTY
POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTIVITIES	ROBERT R. WAGNER	FIELD REPRESENTATIVE
	SCALED BY JETER P. BATTLEY	OFFICE COMPILER
	CHECKED BY PATRICK J. DEMPSEY	DIGITIZER
	JAMES H. TAYLOR	DATA PROCESSER

National Archives Data
TP-00451

2 Discrepancy prints(paper copy)
1 Field edit sheet (stable base)
1 NOAA Form 76-36C (History of Field Operations)
4 NOAA Forms 76-40 (Nonfloating Aids or Landmarks)
5 Pages sexton fixes

Photographs:

72-L(C) 2788R; 72-L(C) 2787R, and 2789R, filed with TP-00450

72-K-6372R