

Original

TP-00463

TP-00463

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-7120	Map No. .... TP-00463	
Classification No. .... Final	Edition No. .... 1	
LOCALITY		
State ..... Florida		
General Locality .... Monroe County		
Locality .... Duck Key to Fat Deer Key		
<hr/> 1972 TO 1976 <hr/>		
REGISTRY IN ARCHIVES		
DATE .....		

NOAA FORM 76-36A (3-72) <span style="float: right;">U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.</span>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>00463</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH. 7120</u>	
DESCRIPTIVE REPORT - DATA RECORD					
PHOTOGRAMMETRIC OFFICE  Rockville, MD.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE  Cdr. J. Collins		JOB <u>PH. _____</u> MAP CLASS <u>_____</u> SURVEY DATES: 19 <u>  </u> TO 19 <u>  </u>			
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 operational instructions			Instructions-FIELD-July 6, 1972  Field Edit (PH-7000 General Instructions for Florida Coastal Zone Mapping) 1973)		
II. DATUMS					
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)			
3. MAP PROJECTION  Transverse Mercator		4. GRID(S) STATE <u>Florida</u> ZONE <u>EAST ZONE</u>			
5. SCALE  1:10,000		STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS		NAME		DATE	
1. AEROTRIANGULATION METHOD: <u>analytic</u>		BY <u>V. McNeel</u>		Nov 74	
LANDMARKS AND AIDS BY		<u>Inapplicable</u>			
2. CONTROL AND BRIDGE POINTS METHOD: <u>Corida</u>		PLOTTED BY <u>J. Taylor</u>		May 75	
CHECKED BY		<u>Inapplicable</u>			
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY		<u>Inapplicable</u>	
INSTRUMENT:		CHECKED BY			
SCALE:		CONTOURS BY		<u>Inapplicable</u>	
CHECKED BY		<u>Inapplicable</u>			
4. MANUSCRIPT DELINEATION		PLANIMETRY BY <u>J. McClure</u>		Feb 76	
CHECKED BY <u>J. Battley</u>		Feb 76			
METHOD: <u>Graphic-rectified photos</u>		CONTOURS BY <u>Inapplicable</u>			
CHECKED BY		<u>Inapplicable</u>			
SCALE:		HYDRO SUPPORT DATA BY		<u>Inapplicable</u>	
CHECKED BY		<u>Inapplicable</u>			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>J. Battley    D. Brant</u>		Feb 76	
6. APPLICATION OF FIELD EDIT DATA		BY <u>J. McClure</u>		March 76	
CHECKED BY <u>J. Battley</u>		April 76			
7. COMPILATION SECTION REVIEW		BY <u>C. Lewis</u>		Oct. 76	
8. FINAL REVIEW		BY <u>D. Brant</u>		Dec 76	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY <u>D. Brant</u>		Nov 77	
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>R. Cator</u>		MAR. 78	

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

## COMPILATION SOURCES

TP-00463

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild RC-8L 6" focal length

TYPES OF PHOTOGRAPHY  
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

ZONE

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

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00463

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE	MEAN RANGE
STRAITS OF FLORIDA			
72L7927 - 7932R	Duck Key	-0.01 MHW	1.35'
72L7946 - 7949R	Duck Key	-0.18 MHW	
72L8249 - 8255R	Duck Key	-0.08 MLW	
FLORIDA BAY			
72L 7970R	Vaca Key, N. Side	0.00 MHW	0.66'
72L8037 - 8042 R	Grassy Key, N. Side	-0.01 MHW	0.89'
72L8092 - 8097R	Vaca Key, N. Side	+0.09 MLW	0.66'
72L8354R	Lower Matecumbe Key, Fla. Bay	+0.03 MLW	0.78'

REMARKS:

## HISTORY OF FIELD OPERATIONS

TP-00463

I. ☒ FIELD INSPECTION OPERATION \* Aug 1972 ☒ FIELD EDIT OPERATION March 1976

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY R. R. Wagner ESTABLISHED BY Inapplicable PRE-MARKED OR IDENTIFIED BY Inapplicable	3/76
3. VERTICAL CONTROL	RECOVERED BY R. R. Wagner ESTABLISHED BY Inapplicable <del>PRE-MARKED OR IDENTIFIED BY</del>	3/76
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. R. Wagner LOCATED (Field Methods) BY R. R. Wagner IDENTIFIED BY R. R. Wagner	3/76 3/76 3/76
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. R. Wagner	3/76
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	72L8452R 72L8453R 72L8454R 72L8455R	H328, Q278 B279 Z277 Y277 W277

## 3. PHOTO NUMBERS (Clarification of details)

72L8451R, thru 8456R

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and non floating aids were either located or verified by Field Edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
		72L8453R	TV Tower

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

## 7. SUPPLEMENTAL MAPS AND PLANS

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

4 pages of cuts

\* The field report is bound with this Descriptive Report

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

## RECORD OF SURVEY USE

TP-00463

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class III	4/29/76	Special request for Requirements Branch		
Class I	5/10/76	" "		

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		5/25/76	Two (2) Forms 76-40 submitted as final report to Marine Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/25/763. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

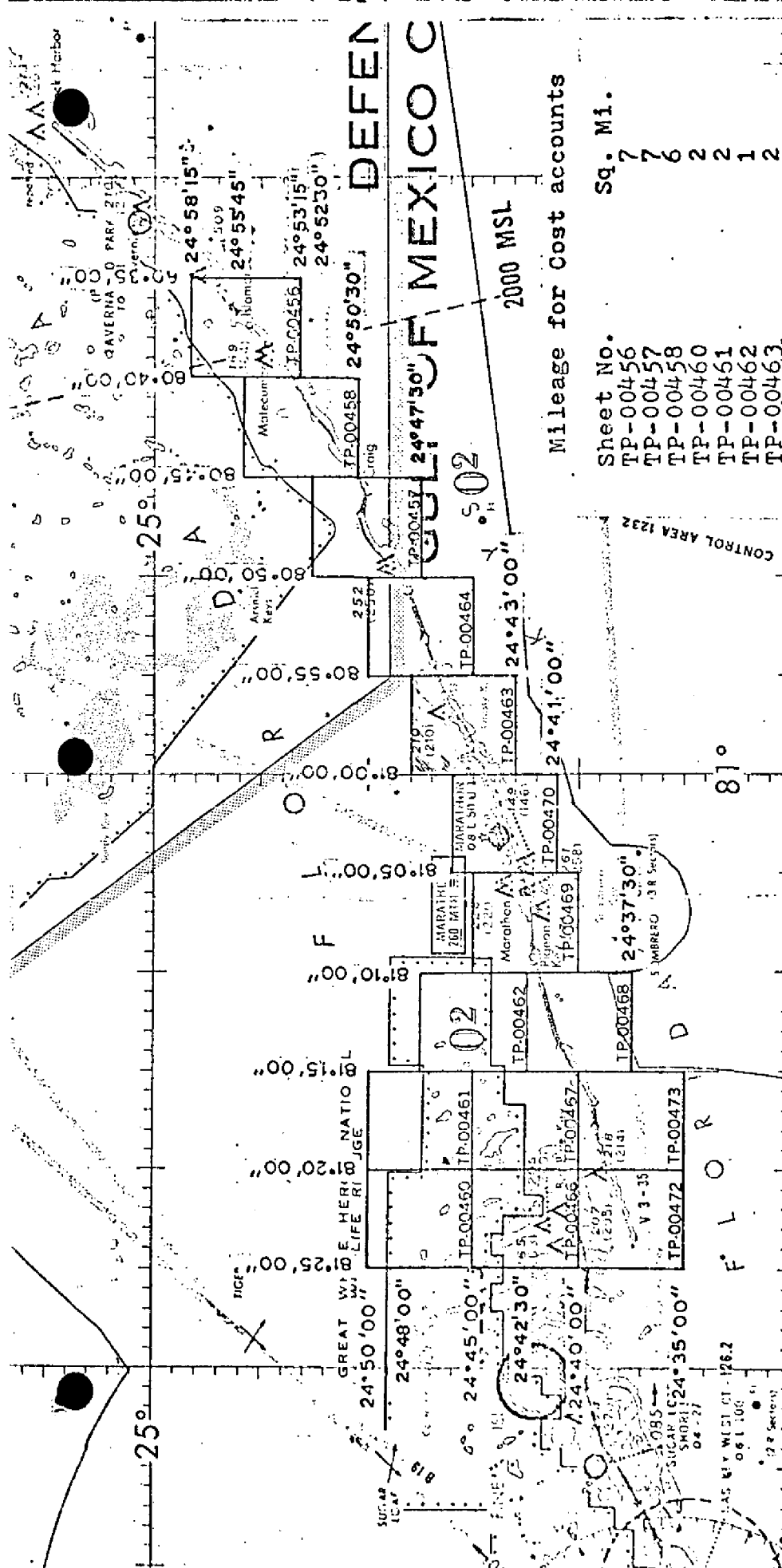
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS <sup>76-40</sup> 567 SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

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

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



JOB PH-7120

# PLANTATION KEY TO BIG PINE KEY FLORIDA

SHORELINE MAPPING

SCALE 1:10000

REVISED 10/2/74  
2/24/76

Total 82

Mileage for Cost accounts

Sq. Mi.

Sheet No.

TP-00456	7
TP-00457	7
TP-00458	6
TP-00460	2
TP-00461	2
TP-00462	1
TP-00463	2
TP-00464	4
TP-00466	12
TP-00467	5
TP-00468	3
TP-00469	5
TP-00470	6
TP-00472	8
TP-00473	3
<b>Total</b>	<b>82</b>

T R A

## SUMMARY

For

TP-00456 thru TP-00458

TP-00460 thru TP-00464

TP-00466 thru TP-00473

Coastal Zone Map TP-00463 is one of fifteen (15) 1:10,000 scale (shoreline type) maps in Job PH-7120. These maps will not be published. Interior detail is limited to a narrow zone of planimetry usually back from the shoreline to and including the first road.

The layout for Job PH-7120 (revised since the aerotriangulation operation) will show the location of the individual maps. A copy of the layout is included in this Descriptive Report.

These maps are intended for planning purposes for the state of Florida and for the construction and maintenance of NOS nautical charts.

The area (Job PH-7120) is covered by photography taken in 1972 and 1974 on color, color infrared, and black-and-white infrared film. The black-and-white infrared film was tide-coordinated at MHW and MLW datums.

The field operations consisted of the following:

1. Premarking of horizontal control and photographing the area.
2. Establishing tidal datums
3. Field edit

Horizontal control was extended by analytical aerotriangulation method using the stereocomparator.

The interior details shown on the shoreline type maps were stereoscopically compiled from the rectified prints of the color or color infrared photography.

The tidal datum lines (MHWL and MLWL) and offshore details were compiled from tide-coordinated, black-and-white infrared photography by graphic methods. This photography was controlled by points determined by aerotriangulation and map detail compiled from the rectified photography. The rectified color or color infrared photography was also used as an aid to interpret culture and apparent shoreline.

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

A registration copy for each map was prepared. The registration copy shows additional offshore details such as shoal and shallow areas 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

Three (3) eight-time (210mm) reduction negatives will be made for each registered map and they will be filed in the following locations:

1. One (1) with Reproduction Division
2. Two (2) with the Photo Map and Imagery Information Section

This report is on work done in accordance with Instructions - FIELD - Job PH-7120; Horizontal Control for Aerotriangulation and Field Support for Aerial Photography; Coastal Boundary Mapping, Plantation Key to Big Pine Key, Florida, dated 7/6/72. Work began on June 19, 1972 and ended August 15, 1972.

All modifications to the instructions were approved by Mr. Ron Brewer. Instructions to Air Photo Mission 2 changed the tolerance on MHW from 0.3 foot to 0.1 foot. Verbal instructions from Mr. Brewer cancelled flight lines 30-6, 30-7, and 30-8 and corresponding premark work because tidal information was not available.

### 1. PREMARKING OF CONTROL

18 stations were paneled in accordance with the job diagram. A second order traverse with tellurimeters establishing 12 stations was run to supplement the existing control. A position was established on Pigeon Key and successfully used to recover MOSER 1935.

### 2. AEROTRIANGULATION PHOTOGRAPHY

This photography was completed. In addition, individual photographs of each paneled station were taken at a low altitude. Panels were completely removed after notified by the Chief, Mission 2 that the film was successfully developed.

### 3. TIDE COORDINATED PHOTOGRAPHY

Locations of the tide staffs are shown on the job diagram accompanying this report. Photography was taken on July 28 and 30 and August 8, 11, 12, and 13. Recordings entered in the tide volumes, Form 277, were at 5 minute intervals during photography and at 15 minute intervals near photography. Tolerances of  $\pm 0.10$  foot for MHW and MLW and  $\pm 0.20$  foot for MWL were observed. Wet staff readings - crest, mean, and trough - were recorded while photography was in progress. Eastern Standard Time was used. Time checks were made with WWV, Fort Collins, Colorado.

Line 20-1 Atlantic Side MHW Flown at 1211-1225 on 28 July when the DUCK KEY staff read 3.50-3.35. Was re flown at 1225-1235 the same day. MLW Flown at 1605-1615 on 8 August and re flown at 1619-1632 the same day when the staff read 2.01-2.14.

Line 20-1 Florida Bay Side. Line was divided into 3 parts. South 1/3 controlled by the VACA KEY, NORTH SIDE staff, the mid 1/3 by the GRASSY KEY, NORTH SIDE staff, and the north 1/3 by the LOWER MATECUMBE KEY, FLA. BAY and GRASSY KEY, NORTH SIDE staffs. South 1/3 MLW Flown at 857-903 on 30 July when the VACA KEY staff read 2.95-3.00. South 1/3 MHW Flown at 1245-1250 on 28 July when the VACA KEY staff read 3.55. Reflown the same day at 1335-1345 when the staff read 3.75-3.80.

Mid 1/3 MHW Flown at 1335-1345 and reflowed at 1350-1500 on 28 July when the staff at GRASSY KEY read 3.50-3.70. Mid 1/3 MLW South  $\frac{1}{2}$  of this line flown at 915-920 on 30 July when the GRASSY KEY staff read 2.80. North  $\frac{1}{2}$  was flown on 12 August at 937-944 when the staff read 2.65. North 1/3 MHW Flown at 1335-1345 on 28 July when the GRASSY KEY staff read 3.50-3.56. Flown at 1250-1300 on 28 July when the LOWER MATECUMBE KEY, FLA. BAY staff read 3.29 - 3.27. North 1/3 MLW Flown at 937-944 on 12 August when the GRASSY KEY staff read 2.65. Flown at 1516-1521 on 11 August when the LOWER MATECUMBE KEY, FLA BAY staff read 2.45-2.41.

Line 15-1 Atlantic Side MHW Flown at 1327-1333 on 30 July when the LOWER MATECUMBE KEY, HAWK CHANNEL staff read 3.90-3.86. MLW Flown at 1548-1555 on 8 August when the staff read 2.08-2.10. Florida Bay side MHW Flown on 30 July at 1030-1040 and reflowed the same day AT 1040-1100 when the LOWER MATECUMBE KEY FLA. BAY staff read 3.22-3.29. The south end of this line was also flown at 1315-1322 on 28 July when the staff read 3.18-3.12. MLW Flown on 11 August at 1504-1510 when the staff read 2.49-2.47

Line 30-1 Atlantic Side MHW Flown on 12 August at 959-1005 when Tavernier Hawk Channel staff read 4.29-4.30 and again at 1034-1036 when the staff read ~~4.40-4.43~~ 4.40-4.43. MLW Flown on 8 August at 1534-1540 when the staff read 2.25-2.38. Florida Bay Side The northern 2/3 of this line was controlled by TAVERNIER, FLA. BAY MWL it was flown on 12 August at 1637-1641 when the staff read 2.68. The south end of the line was lengthened about 2 miles. MHW Flown at 1355-1401 on 13 August when the UPPER MATECUMBE KEY, FLA. BAY staff read 2.58 and on 30 July at 1305-1318 when the staff read 2.76-2.77. MLW Flown on 8 August at 1534-1540 when the staff read 2.34-2.32.

Line over the ISLAMORADA, WHALE CHANNEL tide staff. A 4 mile line centered on the staff was flown for MHW AND MLW at 1:20,000 scale. MHW Flown on 12 August at 1019-1022 when the staff read 3.40-3.43.

1601 on 11 August when the staff read 2.27-2.26. Reflown on 12 August at 1059-1101 when the staff read 2.33-2.35.

#### 4. FORESHORE PROFILES

Beach areas were inspected from the ground, by boat and airplane. It was decided that profiles were not needed and none were taken.

#### 5. BRIDGE AZIMUTHS

The azimuths of two long bridges in the project area were obtained and are included in the field data.

#### 6. FIELD RECORDS

All field records and computations were forwarded to C3413 on 2 October 1972.

*John C. Veselenak*

John C. Veselenak  
Chief, Photo Party 65

Job PH-7120  
November 1974

21. AREA COVERED

This report covers an area in the Florida Keys southwest from Plantation Key to Vaca Key. The area encompasses approximately the eastern two-thirds of the area originally included in Job PH-7120: Plantation Key to Big Pine Key, Florida. The remaining portion of PH-7120, as of this date, is expected to be included in Project CM-7201.

The Job consists of six (6) 1:10,000-scale sheets: TP-00456, TP-00458, TP-00457, TP-00464, TP-00463, and TP-00470.

22. METHOD

Six (6) strips of photography were bridged using aerotriangulation methods. Attached is a sketch showing the location of the strips. Tie points were made between strip No. 1 of

it was necessary in several instances to use tie points as control; tie points from Strip No. 1 were used as control on one end of Strip No. 2, tie points from Strip No. 2 were used to control one end of Strip No. 3, and tie points from Strip No. 4 were used as control for one end of Strip No. 5. These tie points are shown on the attached sketch of strips and control stations.

The strips are adjusted to new preliminary control positions which were furnished by Geodesy Division on May 29, 1974. Geodesy Division stated that 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 station 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.

A listing of closures to control is included on an attached sheet of control stations. The station with the largest residual was Snake, 1934, sub point, with +3.024 feet in X and -1.570 feet in Y when it was used to control strip No. 2.

The positions of photo point A(446410) and photo point B(442410) established in the bridging of Strip No. 6 are only very rough approximations, and should be used with caution. These points did not show up well at all on the photography.

#### 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.

1:15,000 scale

Strip No. 4, August 12 72L8583R - 8594R

1:20,000 scale

Strip No. 6, August 12 72L8440R-8465R.

1:30,000 scale

Strip No. 1, 13 Aug. 72L 8695R-8698R  
Strip No. 2, 13 Aug. 72L 8704R-8707R  
Strip No. 3, 12 Aug. 72L 8425R-8431R  
Strin No. 5, 12 Aug. 72L 8415R-8418R

The quality and definition of the photography was adequate.

Respectfully submitted,

*Victor E. McNeel*  
Victor McNeel

Approved and forwarded:

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

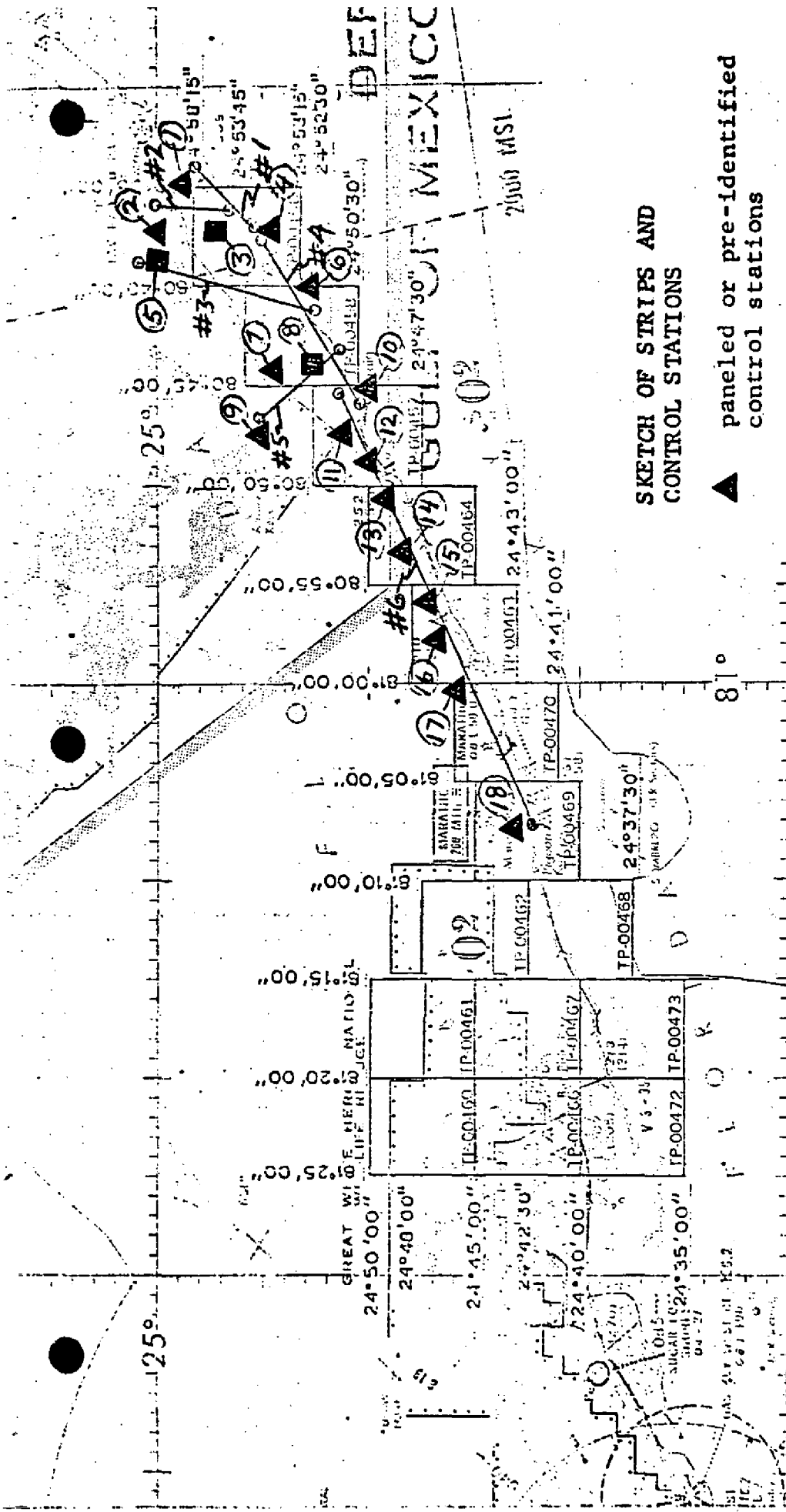
<u>CONTROL STATIONS</u>	<u>RESIDUALS</u>	
	<u>X</u>	<u>Y</u>
1. (695101) SNAKE, 1934, Sub Point	+3.024	-1.570
2. (707101) EAST, 1859, RM1	0.000	0.000
3. (697801) TIE POINT	0.000	0.000
4. (698101) NAIL ND NM SUB. PT. A	-0.246	+0.994
5. (698102) NAIL ND NM SUB. PT. B	+1.226	-1.084
6. (707802) TIE POINT	0.000	0.000
7. (425100) INDIAN KEY 2, 1934	-0.209	+0.088
8. (417101) BOWLEGS, 1934, Sub Point	+0.232	+0.097
9. (586802) TIE POINT	0.000	0.000
10. (418100) BUCHANAN, 1856	0.000	0.000
11. (440100) PARK, 1972	+0.235	-0.482
12. (443101) WATER, 1972, S.S.	-2.645	+2.829
13. (445100) JAWBONE, 1934	-1.162	+2.120
14. (446101) RESORT, 1972, S.S.	+0.369	-1.222
15. (449101) DICK, 1972, S.S.	-0.573	+0.489
16. (452100) GRASSY KEY, 1857	+2.561	-0.514
17. (454100) KEY 1935	+1.445	-0.055
18. (457101) BAMBOO, RM2	-1.118	-0.131
19. (464101) KNIGHT 2, 1936, S.S.	+0.071	+0.112

BAY SIDE BLACK AND WHITE  
INFRARED RATIO PRINTS

1. 72L 8522R - 8524R MLW
2. 72L 8670R - 8673R MHW
3. 72L 8148R - 8154R MHW
4. 72L 8005R - 8006R MHW
5. 72L 8330R - 8338R MLW
6. 72L 8365R - 8367R MLW
7. 72L 8343R - 8354R MLW
8. 72L 8037R - 8051R MHW
9. 72L 8092R - 8098R MLW
10. 72L 7961R - 7970R MHW
11. 72L 8078R - 8085R MLW

OCEAN SIDE BLACK AND WHITE  
INFRARED RATIO PRINTS

1. 72L 8491R - 8496R MHW
2. 72L 8206R - 8211R MLW
3. 72L 8183R - 8189R MHW
4. 72L 8223R - 8231R MLW
5. 72L 7930R - 7942R MHW
6. 72L 8241R - 8264R MLW
7. 72L 7945R - 7949R MHW
8. 72L 7917R - 7926R MHW



SKETCH OF STRIPS AND  
CONTROL STATIONS

- ▲ paneled or pre-identified control stations
- tie points used as control

JOB PH-7120

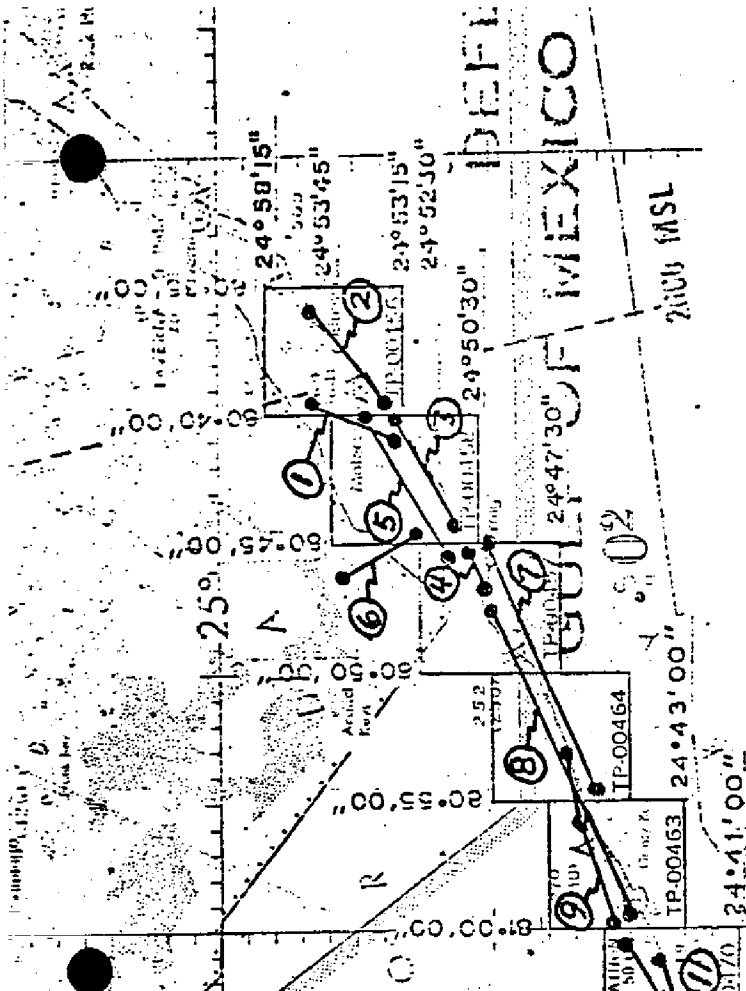
PLANTATION KEY TO BIG PINE KEY

FLORIDA

SHORELINE MAPPING

REVISED 10/2/74

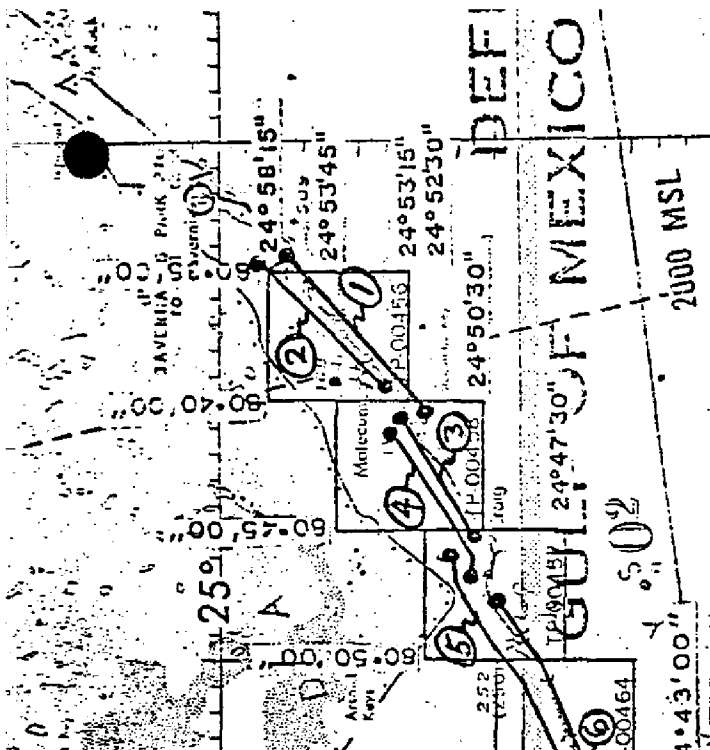
SCALE 1:10000



BAY SIDE  
BLACK & WHITE INFRARED  
RATIO PRINTS

81°

NE KEY



## OCEAN SIDE

**BLACK & WHITE INFRARED**

## RATIO PRINTS

## FLORIDA- NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP- 00463

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
KEY 1935	Book 425 P. 17, 28, 29, 33, 38; GP 373 Fla. Vol. 1; PC P. 95 Fla. E. Zone
Willie 1857-1934	Book 425 P. 18, 29, 40; GP 373 Fla. Vol. 1; PC P. 95 Fla. E. Zone
Grassy Key 1857-1909	Book 425 P. 18, 29, 40; GP 373 Fla. Vol. 1 PC P. 95 Fla. E. Zone
East Turtle Shoal Beacon No. 45 1935	Book 425 P. 18, 26; GP 376 Fla. Vol. 1 PC P. 96 Fla. E. Zone

## FIELD EDIT REPORT, MAP TP-00463, JOB PH 7120

## 51. METHODS

The shoreline was inspected from a small baat while cruising just off shore. Notes regarding fast and apparent shoreline, piers and other along shore features will be found on the rectified photographs and field edit sheet and discrepancy print.

Two triangulation stations are recommended . WILLIE 1857 1909 should be plotted.

~~Five~~ <sup>six</sup>

vertical control stations were recovered and identified.

All known aids were located or verified.

Two towers are recommended for charting.

Three tidal stations are on this sheet

Tide Station	Bench Mark	Photograph
Grassy Key Fla. Bay	H 328	72L8452R
Grassy Key Atlantic	No 3	72L8453R
Toms Harbor Chan	Q 278	72L8452R

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

## 52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

## 53. Map ACCURACY

Not test required.

## 54. RECOMMENDATION

None

## 55. EXAMINATION OF PROOF COPY

Not required.

Submitted By

*Robert R. Wagner*  
Robert R. Wagner  
Chief, Photo Party 66  
3/18/76

Compilation Report  
TP-00463  
February 1976

31. Delineation

All features were delineated by graphic compilation.

The rectified prints of the color infrared photography were controlled by map points determined by aerotriangulation and were used for compiling shoal and shallow areas, interior features, cultural shoreline, and apparent shoreline. Color contact prints were used as a guide for clarifying map detail.

The tidal datum lines were compiled from office interpretation of the ratioed tide-coordinated black-and-white infrared photography which was controlled by common detail compiled from the rectified prints of the color infrared photography.

The photography did not cover East Turtle Shoal and Grassy Key Bank. The field editor is requested to locate any features above the mean low water datum.

A field edit will be made to validate interpretation and symbolization of features.

32. Horizontal Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from the rectified prints of the color infrared photography.

35. Shoreline and Alongshore Detail

Office interpretation of the photography was adequate for delineating the shoreline and alongshore detail.

36. Offshore Details - See item 31.

37. Landmarks and Aids

Refer to form 76-40. One landmark (microwave tower) was located during compilation and will be verified during field edit. All other aids and/or landmarks are to be located by field edit.

38. Control for Future Surveys - None39. Junctions - Refer to form 76-36B.40. Horizontal and Vertical Accuracy - Sufficient41. thru 45. Inapplicable46. Comparison with Existing Maps

Comparison was made with the following USGS 7 1/2 minute topographic quadrangles:

Crawl Key, Fla., 1971  
Grassy Key, Fla., 1971

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following nautical charts.

1250 1:80,000, Jan. 12, 1974  
11449 (both sides) 1:40,000, Aug. 23, 1975  
11451 (Page G) 1:80,000, Aug. 16, 1975

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by,

*John McClure*  
John McClure

Approved and forwarded:

*J. P. Battley, Jr.*

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

Review Report  
TP-00463  
November 1977

61. General

The map manuscript for Coastal Zone Map TP-00463 was inspected before field edit and reviewed as a Class I manuscript by the Quality Control Group. This 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 for distribution to the state of Florida. 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

62. Cartographic Comparison

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

Crawl Key, Florida 1971  
Grassy Key, Florida 1971

No significant differences were found.

Comparison was made with nautical chart 11449 (formerly C&GS 851), 8th edition, dated August 20, 1977.

Chart 11449 shows features that are not visible on the photography and were investigated during Field Edit. Copies of Field Edit notes are attached to the Chart Maintenance Print.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00463 complies with the Instructions for NOS

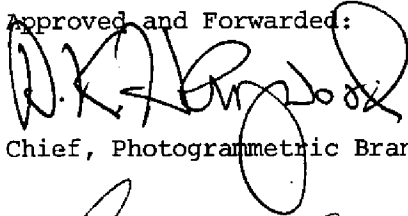
cooperative Boundary Mapping Job PH-7000 and the National Standards of Map Accuracy.

Submitted by,



Donald M. Brant

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

17 Sept. 1977

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-7120 (Florida Keys)

TP-00463

Burnt Point

Channel Key

Crawl Key

Deer Key

Duck Key

Duck Key Channel

East Turtle Shoal

Fat Deer Key

Florida Bay

Grassy Key

Grassy Key Bank

Long Point Key

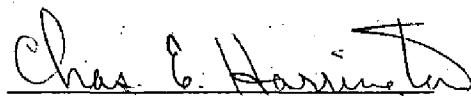
Straits of Florida

Toms Harbor Channel

Toms Harbor Cut

Toms Harbor Keys

Approved

Chas. E. Harrington  
Staff Geographer - C51x2



76-40

76-40

LISTING

PHOTOGRAMMETRIC BRANCH

COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY

DEPARTMENT OF COMMERCE USA

NOAA

USA

SIPL

VERSION

05/08/75

SVY

TP-00463

\*

RPT UNIT

CMD ROCKVILLE, MD.

\*

PAGE

2 OF 2

\*

JOB

PH-7120

\*

STATE

FLORIDA

\*

PRJ

R

\*

LOCALITY

DUCK TO FAT DEER KEY

\*

ORIGINATING ACTIVITY

\*

DJM

NA-1927

\*

DATE

05/03/76

\*

COMPILATION

\*

THE FOLLOWING OBJECTS

HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARTING

RECORD REASON FOR DELETION

POSITION

CODES

METHOD AND DATE

CHARTS

NAME

PUT TRIANGULATION NAMES IN ( )

LATITUDE

DM

LONGITUDE

DP

OFFICE

FIELD

AFFECTED

MICRO TOWER

24 45 45.91

1412.6

86

72LC8455R

F-V-VIS

11449

TOWER

80 56 57.74

1622.3

3

08/12/72

03/11/76

11451

TV TOWER TO RECEIVE TELEVISION

24 46 12.43

382.4

86

P-5

1250

TOWER

80 56 36.92

1037.2

4

03/11/76

DITTO

72LC8453R

28

TYPE OF ACTION

NAMES OF RESPONSIBLE PERSONNEL

ORIGINATOR

OBJECTS INSPECTED FROM SEAWARD

ROBERT R. WAGNER

PHOTO FIELD PARTY

POSITIONS DETERMINED

ROBERT R. WAGNER

FIELD REPRESENTATIVE

AND/OR VERIFIED BY

JOHN MCCLURE AND CHECKED BY PAT. DEMPSEY

OFFICE COMPILER

FIELD AND OFFICE ACTIVITIES

SKIP STEMBLE

DIGITIZER

JAMES H. TAYLOR

DATA PROCESSOR

## National Archives Data

for

TP-00463

- 1 Discrepancy print (paper copy)
- 1 Field Edit sheet (stable base copy)
- 1 NOAA Form 76-36C (History of Field Operations)
- 2 NOAA Forms 76-40 (Non floating Aids or Landmarks for Charts)
- 4 Pages of field notes

## Photography:

72-L-8452R thru 72-L-8457R