

TP-00486

TP-00486

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-7201..... Map No. TP-00486.....
Classification No. Final Edition No. ... 1.....

LOCALITY

State ... Florida.....
General Locality .. Boca Chica Key.....
Locality .. Boca Chica Key to Stock Island.....

19 74 TO 19 77

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Maryland OFFICER-IN-CHARGE Cdr. Walter S. Simmons		SURVEY TP. <u>00486</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7201</u> LAST PRECEDING 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 111, October 24, 1974		Field Instruction - 1/4/74 Field Instruction (Amendment) 11/13/74 Field Edit (PH-7000) General Instructions for Florida Coastal Zone Mapping 1973	
II. DATUMS			
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify) <i>Mean Water Level</i>	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE ZONE Florida East	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		R. B. Kelly	Oct. 1975
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY		J. Taylor	July 1976
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: CONTOURS BY SCALE: CHECKED BY		N/A N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Graphic CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		R. Rich P. Dempsey N/A N/A	Oct. 1976 June 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		P. Dempsey	June 1977
6. APPLICATION OF FIELD EDIT DATA BY		P. Dempsey	July 1977
7. COMPILATION SECTION REVIEW BY		J. Battley	July 1977
8. FINAL REVIEW BY		C. Lewis	Aug. 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		D. Brant	Nov. 1978
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		D. Brant	Oct. 1980
		<i>W. S. Wafer</i> APR 16 1981	

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

TP-00486

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10C 3.5" Focal length		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	☒ STANDARD
				MERIDIAN 75th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74C 8405-10	16 Mar '74		1:30,000	The stage of tide is inapplicable for the color photography. Refer to 76-36B(1) for tide information	
74C 8427-33	16 Mar '74		1:30,000		
74CR 2216, 17	10 Nov. '74	1228	1:30,000		
74CR 2290, 91	11 Nov. '74	1333	1:30,000		
74CR 2462-64	12 Nov. '74	1453	1:30,000		
74CR 2333-35	12 Nov. '74	0952	1:30,000		
74CR 2772-73	22 Nov. '74	1144	1:30,000		
74CR 2659-61	22 Nov. '74	0949	1:30,000		
74CR 2646-49	22 Nov. '74	0933	1:30,000		

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated black and white infrared photography listed in item 1. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of vegetation, shoal and shallow areas. Where the MHW 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.

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-00481	TP-00482;00487	No survey	TP-00485

REMARKS

Final junctions will be made in the Coastal Mapping Section.

TIDE - COORDINATED PHOTOGRAPHY

TP - 00486

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
BOCA CHICA KEY TO STOCK ISLAND			
74-C(R) 2216	Sigsbee Park	+0.02 MHW	1.03
2217	Boca Chica Long Pt.	+0.16	1.27
2290	Sigsbee Park	+0.03	1.03
2291	Big Coppitt Key	+0.19	1.16
2462	Sigsbee Park	+0.00	1.03
2463-2464	Stock Is.	+0.20	0.71
74-C(R) 2333 thru 2335	Key West, White Star Pier	+0.08 MHW	1.43
74-C(R) 2772 thru 2773	Sigsbee Park	-0.03 MLW	1.03
2659 thru 2660	Stock Is.	+0.08	0.71
2661	Shark Key	+0.02	0.71
74-C(R) 2646 thru 2649	Key West, White Star Pier	+0.23 MLW	1.43

REMARKS:

HISTORY OF FIELD OPERATIONS TP-00486

I. ☒ FIELD INSPECTION OPERATION * May 1974 ☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY J. D. DiMare ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	6/77
3. VERTICAL CONTROL	RECOVERED BY P. B. Walbolt ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY XXXXXXXXXXXX	6/77
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	6/77
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. R. Wagner	6/77
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Refer to Field Report	74C8406 74C8408 74C8410 74C8427 74C8431	N 329 S 321 G 121 J 121, K 121 E 271, F 271, L 271, M 271

3. PHOTO NUMBERS (Clarification of details)

74C8406, 8408, 8410, 8427, 8429, 8431
74CR2334, 2462, 2648, 2649

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Nonfloating aids and landmarks for charts were either located or verified by field edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
74C8410 74C8427 74C8406	Stack, Tank (largest of three) Micro Tower Control Tower		None

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

* Refer to field report bound with this Descriptive Report.

30 pages of cuts to aids

RECORD OF SURVEY USE

TP-00486

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Office - Class III	10/14/76	Special request from Requirements Branch	11/8/76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		3/1/77	Eight (8) digitized forms submitted as final report.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 3/1/77
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:
LOST
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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

82°

50'

40'

30'

20'

6

OFFICIAL MILEAGE FOR COST ACCOUNTS

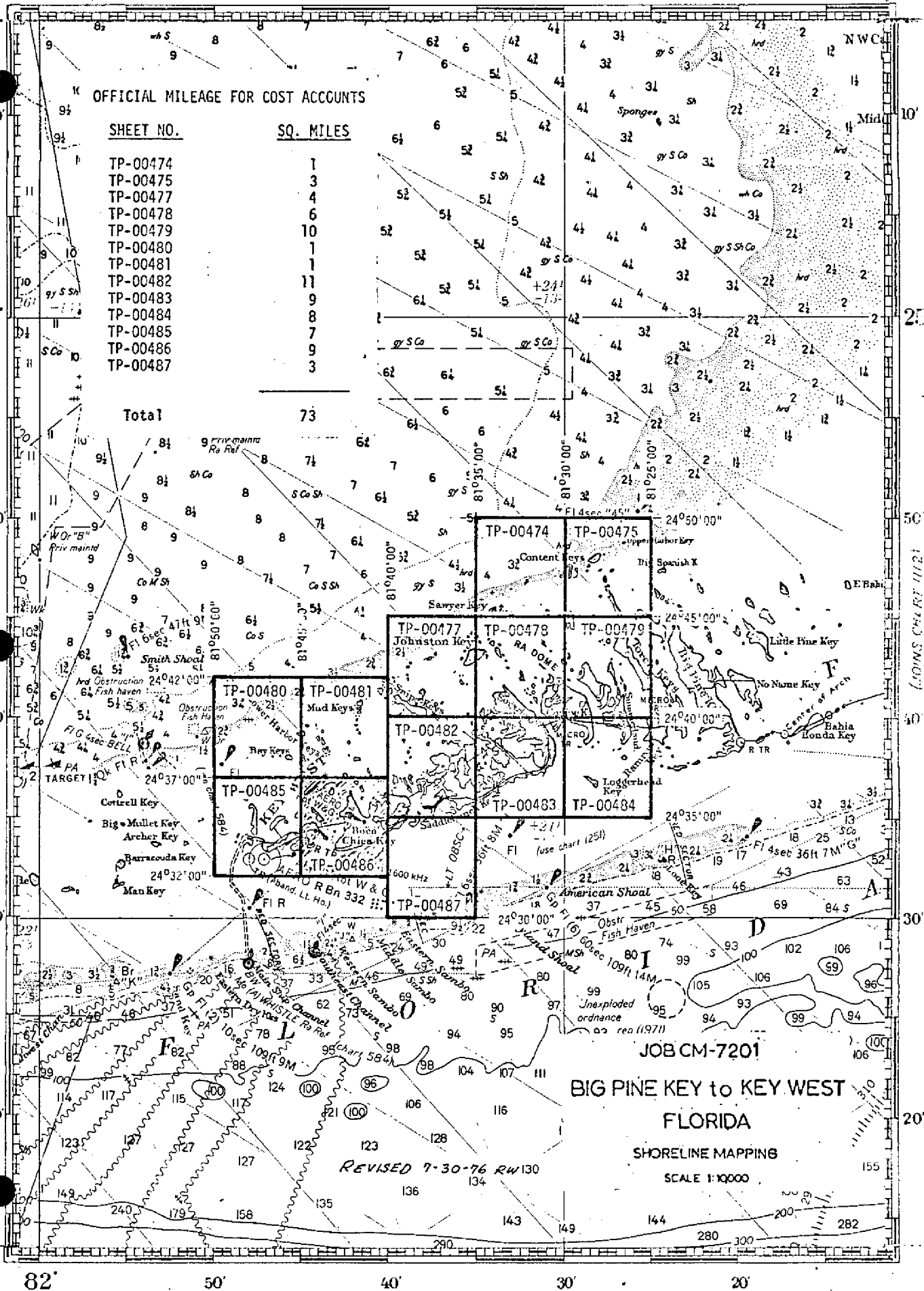
SHEET NO.

SQ. MILES

TP-00474	1
TP-00475	3
TP-00477	4
TP-00478	6
TP-00479	10
TP-00480	1
TP-00481	1
TP-00482	11
TP-00483	9
TP-00484	8
TP-00485	7
TP-00486	9
TP-00487	3

Total

73





7
UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
Rockville, Md. 20852

July 7, 1980

OA/C233:JRH

TO: OA/C34 - Walter S. Simmons *WSS*

FROM: OA/C233 - *JRH* James R. Hubbard

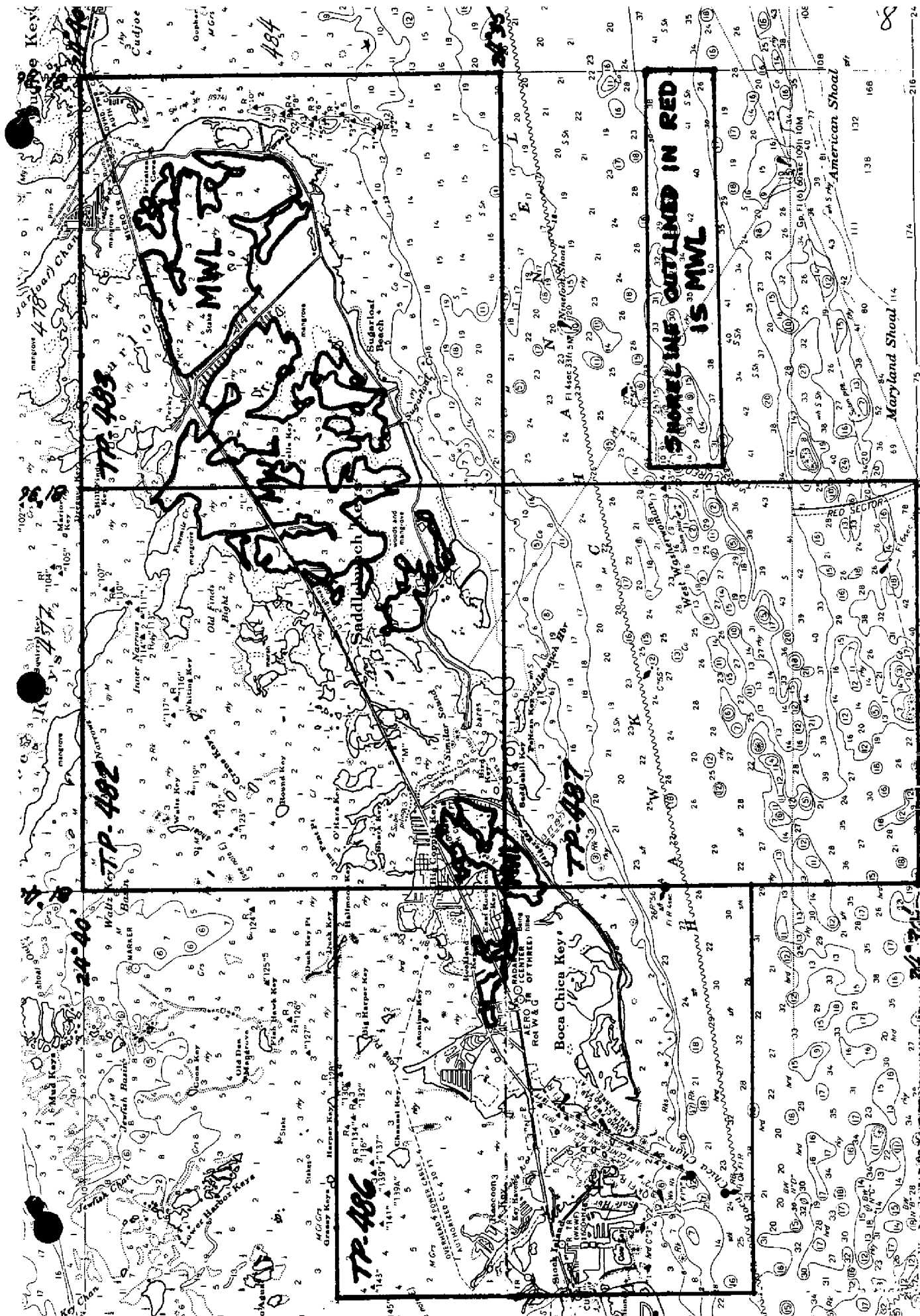
SUBJECT: Mean Water Level Datum, Florida Keys

The tidal characteristics in the majority of the area outlined on the attached sketch, which includes portions of TP 482, TP 483, TP 486, TP 487 have been determined to be mean water level. However, tide range was observed at the following locations:

<u>Station Number</u>	<u>Station Location</u>	<u>Lat.</u>	<u>Long.</u>	<u>Mean Range</u>
872 4353	Perky Lake, Sugarloaf Key, FL	24°39.3'	81°32.4'	0.4 ft.
872 4405	Saddlebunch No.3 Channel, FL	24°37.4'	81°36.2'	0.6 ft.

Attachment





SHORELINE OUTLINED IN RED
IS MWL

Summary
for
TP-00474 and TP-00475
TP-00477 thru TP-00487

Coastal Zone Map TP-00486 is one of thirteen (13) 1:10,000 scale maps in project CM-7201. All maps in this project are shoreline type except TP-00485 which is a published map. The interior of the published map is shown with an orthophotomosaic printed in three colors. The interior of the shoreline type maps is limited to a narrow zone of planimetry back from the shoreline.

The layout for Job PH-7201 (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-7201) is covered by photography taken in 1974 on color and infrared film. The black-and-white infrared film was tide-coordinated at MHW, MLW or MWL 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 B&W infrared photography.

The tidal datum lines (MHW, MLW or MWL) 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 B&W infrared photography was also used as an aid to interpret cultural and apparent shoreline. All line work is scribed, approved symbols are shown in the marginal data of this map.

A registration copy of each type map is prepared. It shows additional offshore details such as shoal and shallow lines, useful to the Marine Chart Division, But not required on the Coastal Zone Maps. This copy of the map is labeled "Registration Copy" in the title block and will be registered in the NOS Archives.

The following items for the shoreline type maps will be registered in the NOS Archives:

1. A stable base copy of the Registration Copy.
2. The Descriptive Report.
3. One (1) negative with Reproduction Division and one (1) with the Photo Map and Imagery Information Section.

The following items for the published map will be registered in the NOS Archives:

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.



Original 11

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

Date: 3 May 1974

From: Chief, Photo Party 65

Subj: Field Operations Report - Job CM-7201 - Coastal Boundary Mapping,
Big Pine Key to Key West, Fla.

To : Chief, Coastal Surveys Section

All field support for Job CM-7201 was performed in accordance with instructions dated 4 Jan 1974. Sections of the project instructions applicable to field support furnished by Photo Parties 60 and 65 are discussed below:

Section 5 - Horizontal Control

.01 All control stations shown on the job diagram were recovered except for PIGEON KEY 2. Station MOSER 1935 was used in place of PIGEON KEY 2. Recovery notes for all stations are enclosed.

.03 No new control stations were necessary and none were established.

Section 6 - Premarking of Control

Paragraphs .01 thru .05 were complied with except as noted below:

The station KEY WEST NAVAL MONUMENT was not paneled because it is photoidentifiable without the panel.

Section 7 - Control Station Identification Card

Paragraphs .01 thru .04 were complied with fully. Control station identification cards are enclosed.

Sections 8, 9, 10, and 11 - Tide Stations, Tolerance, Dates of Favorable Tides, and Tide Observations and Records

Since the tide coordinated photography was cancelled due to insufficient tidal data, these sections were not applicable.

Section 13 - Foreshore Profiles

This section also not applicable due to cancellation of tide coordinated photography.

Section 14 - Time

No staff observations were taken because no tide coordinated photography was flown.

Section 15 - Communications

This section was complied with fully.

Section 17 - Report

This report and all field records are being forwarded.

Max M. Ethridge
Lt. Max M. Ethridge, NOAA
Chief, Photo Party 65

PHOTOGRAMMETRIC PLOT REPORT
Boot Key to Key West, Florida
Job PH-7201
October 1975

21. Area Covered

This report covers twenty-five 1:10,000 sheets, TP-00474 thru TP-00489, TP-00460 thru TP-00462, TP-00466, TP-00467, TP-00468, TP-00472, and TP-00473, from Boot Key to Key West, Florida.

22. Method

Three strips of 1:60,000 photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Florida State Plane Coordinate System, East Zone. The three strips were also adjusted as a block. The attached four sketches shows the placement of horizontal control, closures to control used in the block adjustment, mean high and mean low water photography, and photography to be used for compilation. Bridge points were drilled on the 1:30,000 scale color photography and measured on 1:60,000 color bridging photography to control the setting of models on the B-8 for compilation. Bridge points were also pricked on the infrared photography and measured on the 1:60,000 color bridging photography for ratioing photographs to be used in the compilation of the mean high and mean low water line.

23. Adequacy of Control

The horizontal control provided was adequate except for DUCK 2, 1937 Substitute Station and DUCK 2, 1937 ARRAY (panel). These two stations held the same in the block adjustments as they did in the strip adjustment with 15 feet error in the Y direction. There was no apparent reason for the error. All other control held within the accuracy required by National Standards of Maps. Accuracy at 1:10,000.

24. Supplemental Data

Local shoreline was used to provide elevations for vertical adjustments of the bridges.

25. Photography

RC-8 color film positives were adequate as to coverage, overlap, and definition.

Submitted by,

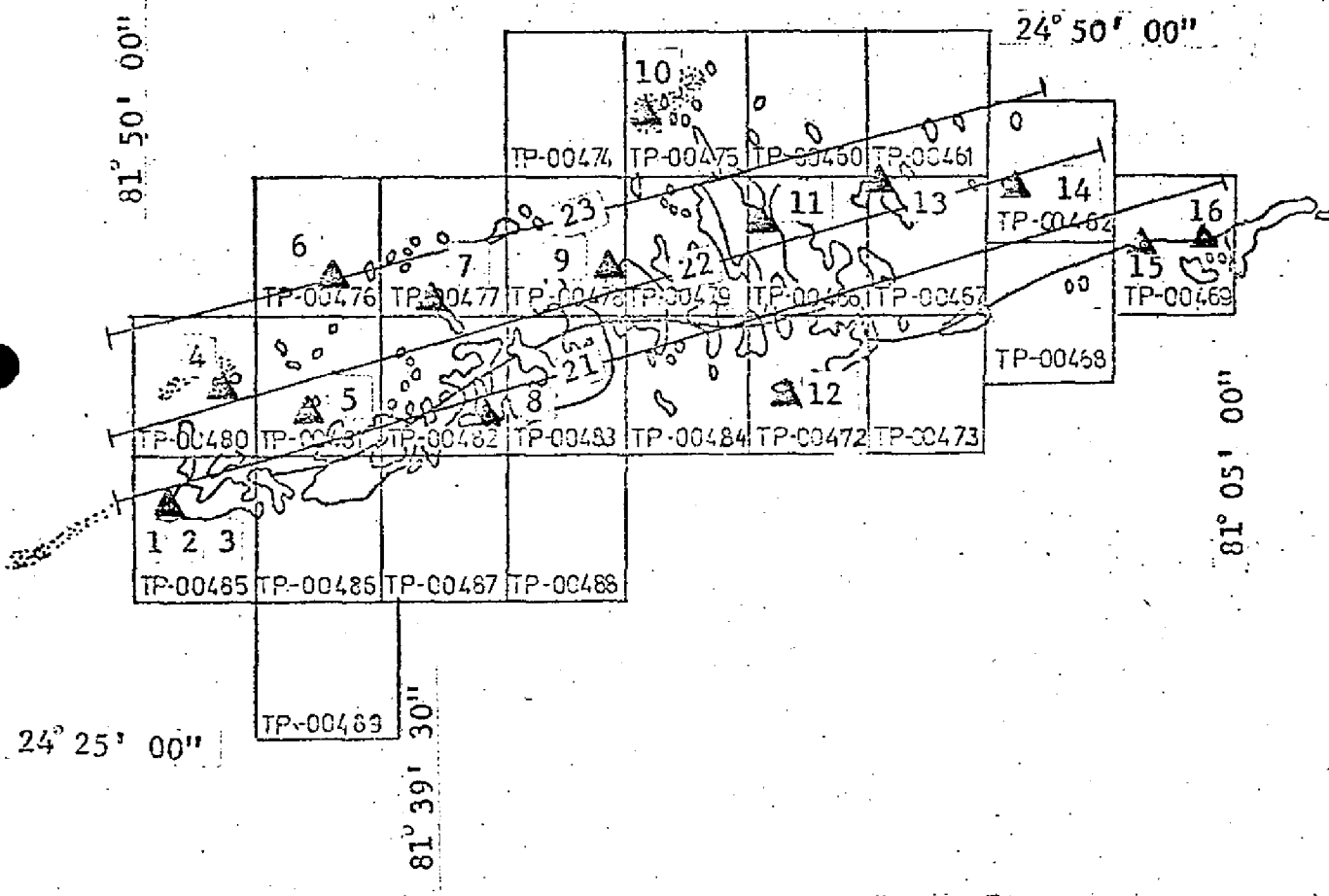
Robert B. Kelly
Robert B. Kelly

Approved and Forwarded:

John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB CM-7201
 BOOT KEY TO KEY WEST
 FLORIDA
 SHORELINE MAPPING
 BRIDGING PHOTOGRAPHY



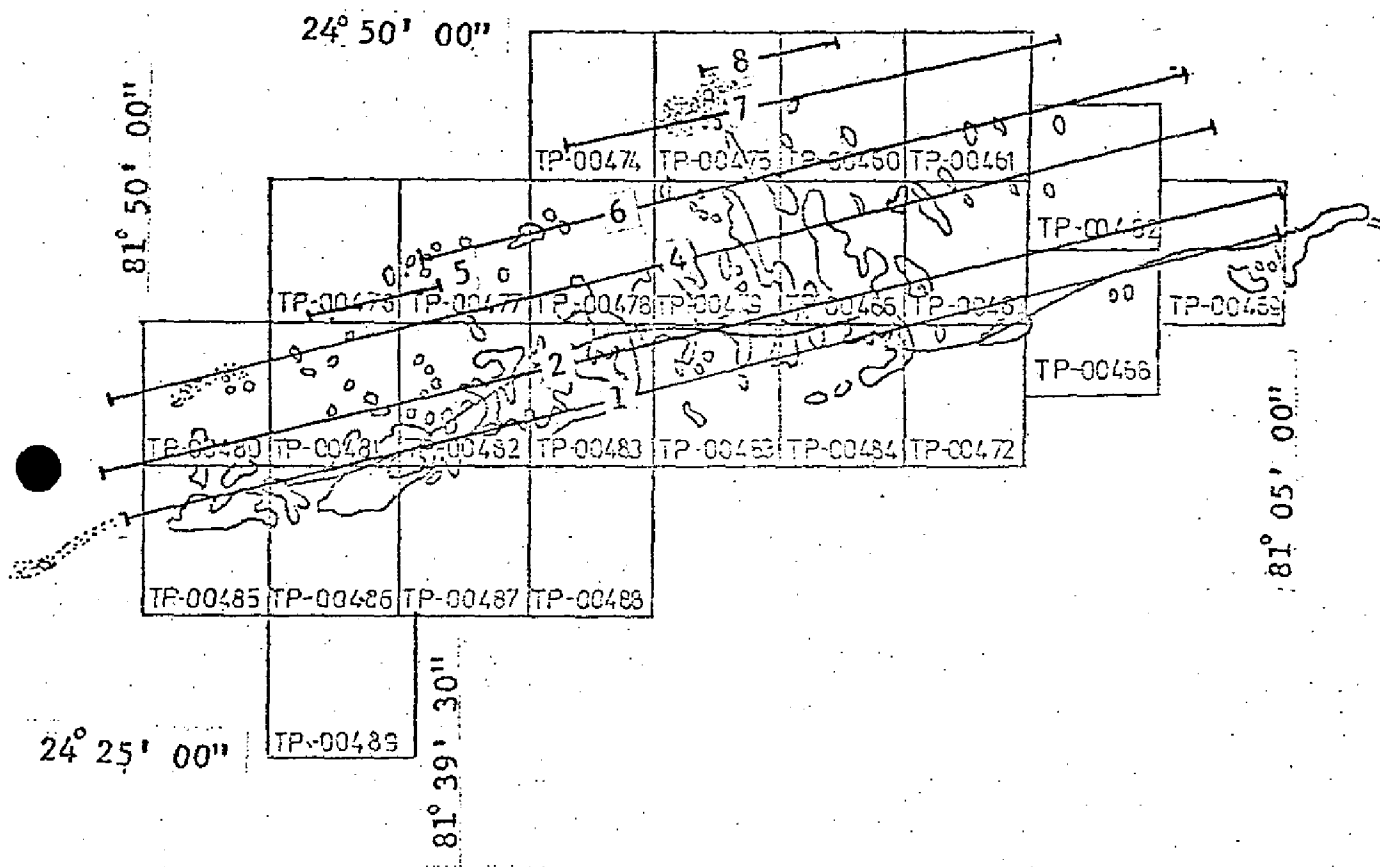
INDEX TO STRIPS OF PHOTOGRAPHS

21	74C(c)	8113-8141	Renumbered	101-114
22	"	8082-8108	"	201-214
23	"	8147-8171	"	301-313

CLOSURES TO CONTROL (BLOCK ADJUSTMENT)

1	Key West Naval Monument	(3.314, -1.519)
2	Key West Naval Station Tank, 1956	(0.003, 0.000)
3	Key West Lighthouse, 1849	(-2.592, -0.574)
4	Bay Key, 1934 Sub. Sta. 1	(1.309, -0.804)
5	Channel Key 2, 1934	(-1.066, 0.413)
6	Mud Key 2, 1934	(-1.631, -0.194)
7	Pek, 1934	(-0.056, 0.039)
8	Bunch, 1934	(-1.207, 1.886)
9	Cud, 1934	(-0.125, -0.134)
10	Content 2, 1935	(0.046, 0.286)
11	Pinkey, 1935	(0.180, 0.617)
12	Newfound, 1920	(0.020, -0.384)
13	Span, 1935	(0.046, -0.016)
14	Trade, 1935 Sub. Sta. 1	(-0.043, -0.001)
15	Moser, 1935 Sub. Sta. 1	(-0.210, 0.256)
16	Knight 2, 1936	(-0.499, -0.718)

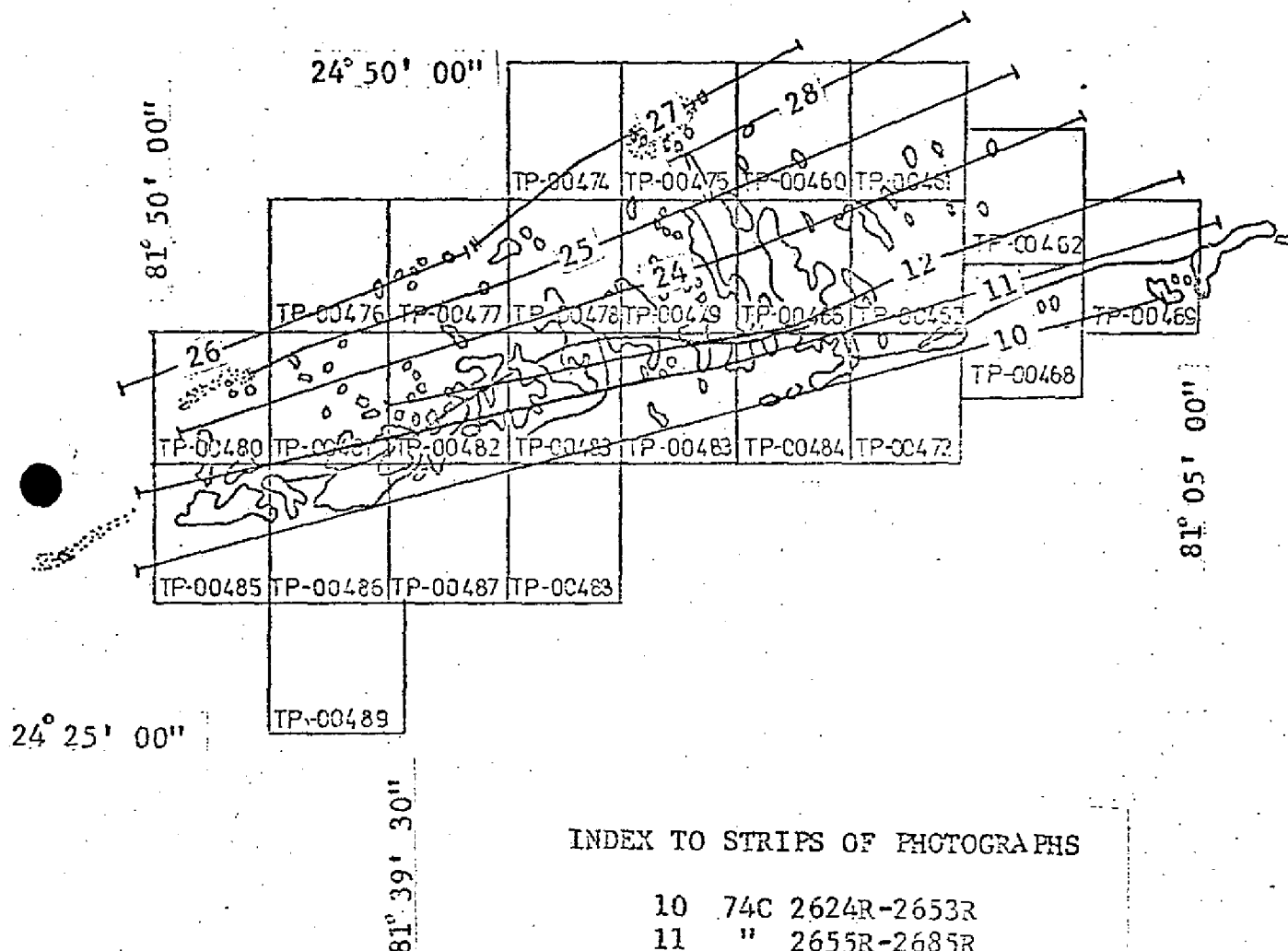
JOB CM-7201
BOOT KEY TO KEY WEST
FLORIDA
SHORELINE MAPPING
COMPILATION PHOTOGRAPHY



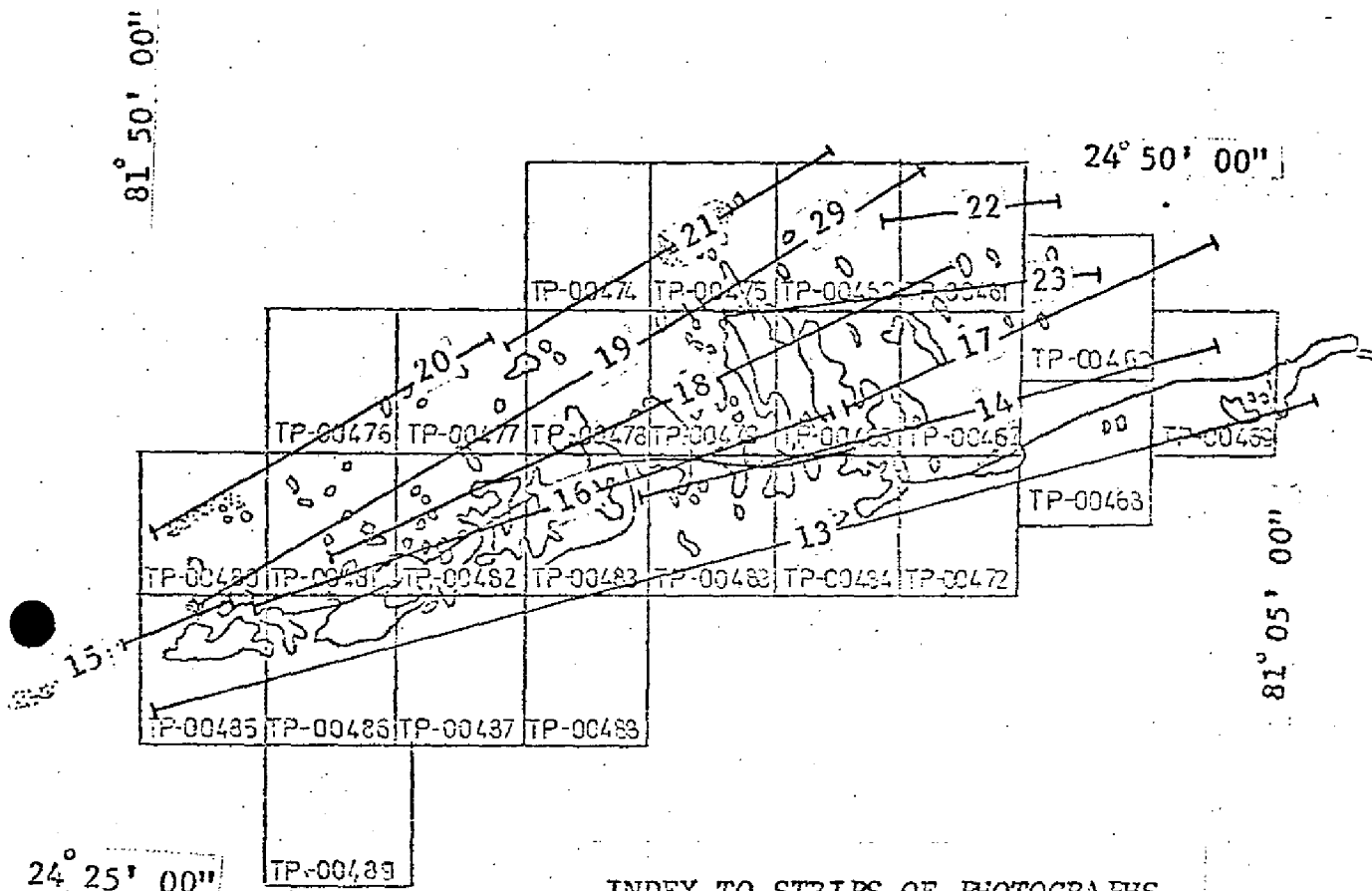
INDEX TO STRIPS OF PHOTOGRAPHS

1	74C(c)	8362-8418
2	"	8419-8475
4	"	8274-8328
5	"	8228-8232
6	"	7403-7446
7	"	7518-7544
8	"	7484-7491

JOB CM-7201
 BOOT KEY TO KEY WEST
 FLORIDA
 SHORELINE MAPPING
 MEAN LOW WATER PHOTOGRAPHY



JOB CM-7201
BOOT KEY TO KEY WEST
FLORIDA
SHORELINE MAPPING
MEAN HIGH WATER PHOTOGRAPHY



INDEX TO STRIPS OF PHOTOGRAPHS

13	74C	2329R-2358R
14	"	2187R-2202R
15	"	2387R-2390R
16	"	2450R-2465R
17	"	2475R-2485R
18	"	2290R-2207R
19	"	2214R-2228R
20	"	2510R-2519R
21	"	2550R-2559R
22	"	2246R-2250R
23	"	2313R-2322R
29	"	2259R-2265R

FLORIDA- NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP-00486

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
✓ CHANNEL KEY 2, 1935 ✓	Book 426, P. 14, 34; GP 418 Fla. Vol. 1; PC 107 Fla. E Zone ✓ 74
✓ LONG POINT, 1934 ✓	Book 426, P. 14, 39; GP 420 Fla. Vol. 1; PC 111 Fla. E Zone ✓ 29
✓ KEY WEST, RADIO STATION WKWF, ANTENNA, 1950 ✓	Book 426, P. 27, 38; GP 901 Fla. Vol. 1; PC 201 Fla. E Zone ✓
✓ ROCK POINT 3, 1934 ✓	Book 426, P. 13, 25, 32, 42, 47; GP 328 Fla. Vol. 1; PC 81 Fla. E Zone ✓ 29
* STOCK, 1934 ✓	(Lost) Book 426 P. 48 PC 107 ✓ 14, 23, 25, 26
* STOCK Island, 1935 1853	No Description - PC 136 BK 426 Pg 27 K. 1900 L-1956 GP 528
* to be verified by L.F.V.	

2.7.77 7-1-77

COMPILATION REPORT
TP-00486
OCTOBER 1976

31. Delineation

All features were delineated by graphic compilation. The 1974 rectified prints of the color photography, controlled by map points determined by aerotriangulation, were used for compiling shoal and shallow areas, interior features, cultural shoreline, and limits of vegetation.

The tidal datum lines were compiled from office interpretation of the ratioed tide-coordinated 1974 black-and-white infrared photography which was controlled by common detail compiled from the rectified prints of the color photography and points located during bridging.

Numerous power poles were photoidentified in the vicinity of Big Coppitt Key, Anonimo Key, Long Pt., Channel Key, and Raccoon Key. Power poles in the following areas will have to be located by field methods:

Near Big Coppitt Key at 24 35.8'; 81 40.2'
Near Long Pt. at 24 36.2'; 81 42.5'
Near Raccoon Key at 24 35.5'; 81 44.9'

32. Horizontal Control

Horizontal control was adequate. (See Photogrammetric Plot Report.)

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Ponds were compiled from rectified black-and-white prints of the infrared photography.

35. Shoreline and Alongshore Detail

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

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids to Navigation

No landmarks or aids to navigation were located during bridging or compilation. All landmarks and aids to navigation will be located during field edit.

38. Control for Future Surveys - None

39. Junctions - Refer to Form 76-36B

40. Horizontal Accuracy

This map complies with the National Map Accuracy Standards and with the accuracy requirements for the Florida Coastal Mapping Program as outlined by the Project Instructions for PH-7000.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Boca Chica Key, Fla., 1971, Scale 1:24,000

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11445(854) 14th Edition, June 28, 1975, Scale 1:40,000

584 23rd Edition, Jan. 27, 1973, Scale 1:40,000

Submitted by,

R. D. Rich

R. D. Rich

Approved and Forwarded:

Frank A. Wright (for)

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

December 7, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7201 (Florida Keys)

TP-00486

Anonimo Key

Rockland Key

Big Coppitt Key

Safe Harbor

Big Harper Key

Stock Island

Boca Chica Channel

Straits of Florida

Boca Chica Key

Thompson Island

Bush Key

U.S. Naval Air CEH Station Key West

Channel Key

Cow Key

Cow Key Channel

Duck Key

East Rockland Key

Geiger Creek

Great White Heron National Wildlife Refuge

Key West

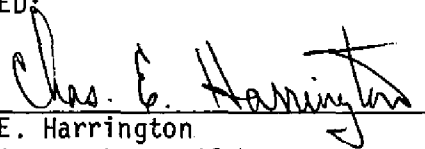
Long Point

Monday Key

Raccoon Key

Rockland Channel

APPROVED:


Chas. E. Harrington
Chief Geographer - C3x5

FIELD EDIT REPORT TP-00486, JOB CM-720151. METHODS

The shoreline was inspected from a small boat while cruising just off shore and by truck where possible. Notes regarding the shoreline and along shore features will be found on the rectified photographs and field edit sheet.

Five

Four triangulation stations were recovered.

Nine vertical control stations were recovered and identified.

Eight landmarks are recommended for charting. Four were identified on the photographs, one is a triangulation station and three radio towers were located on the photograph by planetable.

*Notes: 7
previously
charted*

All known aids were located.

Six tide stations fall within this manuscript.

<u>Station</u>	<u>Bench Mark</u>	<u>Photograph</u>
✓ Rockland Channel	M 271	74C8431 ✓
✓ Boca Chica, Long Point	BM Spike ✓ <i>2, 1935</i>	74C8429 ✓
✓ Channel Key	CAHNNEL KEY 1934	74C8429 ✓
✓ Stock Island	J 121 ✓	74C8427 ✓
✓ Key Haven West	BM NO 4 ✓	74C8427 ✓
✓ Cow Key Channel	G 121 ✓	74C8427 ✓

Tide gage at Key Haven West was not identified. The site was not indicated on the sketch for this gage.

Please see Vertical Control Data number Quad 240814, page 10. No record for a tide gage listed as Boca Chica, Southwest End is in the field office. Bench Mark N 329 was identified on photograph 74C8406. It is not known if this gage is part of this project.

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

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

7-1-77

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 6/27/77



Robert R. Wagner
Chief, Photo Party 66

REVIEW REPORT
TP-00486
October 1980

61. General

Coastal Zone Map TP-00486 was inspected before field edit and reviewed as a Class I map. This review consisted of an examination of the map manuscript, the field edit and its application, the reproduction negative and the Descriptive Report.

This proof copy of this map was edited by Quality Control before making final copies for distribution to the State of Florida. This edit comprised a thorough inspection of map detail 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 Detail
Staff Geographer - Geographic Names
Coastal Surveys - Horizontal and Vertical Control

It was determined by the Tidal Datums and Information Branch that portions of TP-00486 are in the mean water level datum. A letter dated July 7, 1980, and a sketch showing these areas of mean water level are a part of this descriptive report.

62. Cartographic Comparison

Comparison was made with the Boca Chica Key, Florida quadrangle dated 1979. No significant changes were found.

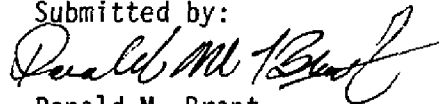
Comparison was made with chart 11445, 18th Edition, dated October 1979. Significant changes between the chart and TP-00486 were noted on the chart maintenance print by annotating copies of field notes on the print.

63. Thru. 65. Inapplicable

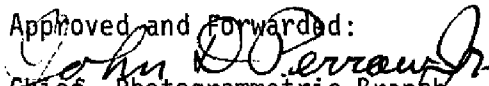
66. Adequacy of Results and Future Surveys

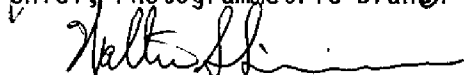
Coastal Zone Map TP-00486 complies with the instruction for NOS Cooperative Boundary Mapping, Job PH-7000 and the National Standards of Map Accuracy.

Submitted by:


Donald M. Brant

Approved and Forwarded:


Chief, Photogrammetric Branch


Chief, Photogrammetry Division

* SVY	TP-00486	*	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD, ROCKVILLE, MD.	*	PAGE	3 OF 8	*
* JOB	PH-7201	*	* TO BE CHARTED	* LOCALITY	BOCA CHICA KEY	*	* ORIGINATING	ACTIVITY	*
* PRJ	833205	*		* DATE	07/15/77	*	* COMPILATION		*
* DTN	NA 1927	*							*
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS									
* CHARTING*	RECORD REASON FOR DELETION	* LATITUDE	UM	POSITION	CMD *	METHOD AND DATE	* CHARTS		*
* NAME *	PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP		ALTEK*	OF LOCATION	* FIELD	* AFFECTED*	*
* HAWK CHANNEL									
* OYBN *		* 24 33 50.35	1549.1		*	* P-L-3-8	*	11441	*
* 9 *	BOCA CHICA CHANNEL	* 81 43 02.40	67.5		*	* 06/21/77	*	11442	*
* DIITTO									
* OYBN *		* 24 33 54.96	1691.0		*	* P-L-3-6	*	11445	*
* 10 *		* 81 42 58.03	1633.0		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 01.36	41.8		*	* P-L-3-6	*		*
* 11 *		* 81 42 56.17	1580.6		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 06.36	195.7		*	* P-L-3-6	*		*
* 12 *		* 81 42 51.62	1452.6		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 14.00	430.7		*	* P-L-3-6	*		*
* 13 *		* 81 42 49.03	1379.6		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 17.40	535.3		*	* P-L-3-6	*		*
* 14 *		* 81 42 45.35	1276.1		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 25.19	775.0		*	* P-L-3-6	*		*
* 15 *		* 81 42 42.47	1195.0		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* LIGHT *		* 24 34 22.39	688.9		*	* P-L-3-6	*		*
* 16 *		* 81 42 42.39	1192.8		*	* 06/16/77	*	DIITTO	*
* DIITTO									
* OYBN *		* 24 34 33.05	1016.9		*	* P-L-3-6	*		*
* 17 *		* 81 42 37.83	1064.4		*	* 06/16/77	*	DIITTO	*
* *					*				*
* *					*				*

TYPE OF ACTION

NAMES OF RESPONSIBLE PERSONNEL

ORIGINATOR

POSITIONS DETERMINED

AND/OR VERIFIED BY

FIELD AND OFFICE

ACTIVITIES

ROBERT R. WAGNER

JETER P. BATTLE, JR.

ALFRED BETHEA

JAMES H. TAYLOR

FIELD REPRESENTATIVE

OFFICE COMPILER

DIGITIZER

DATA PROCESSER

76-4												PHOTOGRAMMETRIC BRANCH												NATIONAL OCEAN SURVEY												NOAA												DATA/AB																																															
LISTING												COASTAL MAPPING DIVISION												DEPARTMENT OF COMMERCE												USA												VERSION																																															
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* SVY TP-00486												* NONFLOATING AIDS FOR CHARTS												* RPT UNIT CMD, ROCKVILLE, MO.												* PAGE 4 OF 8																																																											
* JOB PH-7201												* TO BE CHARTED												* STATE FLORIDA												* ORIGINATING ACTIVITY																																																											
* PRJ 833205																								* LOCALITY BOCA CHICA KEY												* COMPILATION																																																											
* DTM NA 1927																								* DATE 07/15/77																																																																							
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* CHARTING*												RECORD REASON FOR DELETION												POSITION												CMD												METHOD AND DATE												CHARTS																																			
* NAME												* PUT TRIANGULATION NAMES IN ()												* LATITUDE												* DM												* ALTEK*												* OF LOCATION												* FIELD												* AFFECTED*											
																								* LONGITUDE												* DP												* DGIZD*												* OFFICE																																			

* SVY	TP-00486	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD, ROCKVILLE, MD.	* PAGE	5 OF 8	* CHARTS
* JOB	PH-7201	* TO BE CHARTED	* STATE	FLORIDA	* ORIGINATING	ACTIVITY	* COMPILATION
* PRJ	833205		* LOCALITY	BOCA CHICA KEY	* DATE	07/15/77	
* DTN	NA 1927						
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS							
* CHARTING	RECORD REASON FOR DELETION	* POSITION	CMD	* METHOD AND DATE			
* NAME	PUT TRIANGULATION NAMES IN ()	* LATITUDE	UM	OF LOCATION	* CHARTS		
		* LONGITUDE	UP	OFFICE	* FIELD	* AFFECTED	
* HAWK CHANNEL							
* DYBN	8	* COW KEY	24 33 43.98	1353.1	* P-L-3-6	* 11441	
		* CHANNEL DYBN. PRIV. MAINTD.	* 81 44 46.04	1295.6	* 06/15/77	* 11442	
* DYBN	9	* DITTO	* 24 33 44.78	1377.7	* P-L-3-6	* 11445	
		* 81 44 46.74	1315.3	* 06/15/77	* DITTO		
* DYBN	10	* DITTO	* 24 33 47.69	1467.3	* P-L-3-6		
		* 81 44 48.40	1362.0	* 06/15/77	* DITTO		
* DYBN	11	* DITTO	* 24 33 53.76	1654.0	* P-L-3-6	* DITTO	
		* 81 44 54.90	1544.9				
* DYBN	12	* DITTO	* 24 33 56.58	1740.8	* P-L-3-6		
		* 81 44 57.47	1617.2				
* DYBN	13	* DITTO	* 24 33 57.00	1753.7	* P-L-3-6	* DITTO	
		* 81 44 58.39	1643.1				
* DYBN	15	* DITTO	* 24 33 59.97	1845.1	* P-L-3-6	* DITTO	
		* 81 44 57.94	1630.4				
* DYBN	16	* DITTO	* 24 34 03.96	121.8	* P-L-3-6	* DITTO	
		* 91 44 56.79	1598.0				
* DYBN	17	* DITTO	* 24 34 04.78	147.1	* P-L-3-6	* DITTO	
		* 81 44 57.62	1621.4				

* TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
* POSITIONS DETERMINED	ROBERT R. WAGNER	FIELD REPRESENTATIVE
* AND/OR VERIFIED BY	JETER P. BATTLE, JR.	OFFICE COMPILER
* FIELD AND OFFICE	ALFRED BETHEA	DIGITIZER
* ACTIVITIES	JAMES H. TAYLOR	DATA PROCESSER

76-4

77U818

PHOTOGRAMMETRIC BRANCH

COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY

DEPARTMENT OF COMMERCE USA

NOAA

VERSION

LISTING

DATA

SVY TP-00486

PH-7201

PRJ 833205

DTM NA 1927

NONFLOATING AIDS FOR CHARTS

TO BE CHARTED

RPT UNIT

CMD, ROCKVILLE, MD.

STATE FLORIDA

LOCALITY BOCA CHICA KEY

DATE 07/15/77

PAGE 7 OF 8

ORIGINATING ACTIVITY

COMPILATION

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

DESCRIPTION

RECORD REASON FOR DELETION

PUT TRIANGULATION NAMES IN ()

POSITION

CMD

ALTEK

DM

DP

METHOD AND DATE

OF LOCATION

FIELD

CHARTS

AFFECTED

HAWK CHANNEL

COM KEY

WEST CHANNEL DAYBEACON 1

PRIVATE AID

HAWK CHANNEL

BOCA CHICA LIGHT 56

24 33 53.71

81 44 55.87

24 33 00.67

81 41 10.31

1652.5

1572.2

20.6

290.2

P-L-3-6

06/15/77

P-L-3-6

06/21/77

11441

11442

11445

DIYTO

TYPE OF ACTION

NAMES OF RESPONSIBLE PERSONNEL

ORIGINATOR

POSITIONS DETERMINED

AND/OR VERIFIED BY

FIELD AND OFFICE

ACTIVITIES

ROBERT R. WAGNER

JEETER P. BATTLE, JR.

ALFRED BETHEA

JAMES H. TAYLOR

FIELD REPRESENTATIVE

OFFICE COMPILER

DIGITIZER

DATA PROCESSER

NATIONAL ARCHIVES DATA
For
TP-00486

1 Discrepancy Print
1 Field Edit Sheet
1 NOAA Form 76-36C (History of Field Operations)
8 Forms 76-40 (Nonfloating Aids and Landmarks for Charts)
30 Pages of cuts

Photography:

74-C-8406, 8408, 8410, 8427, 8429, 8431.

74-C-2648R
2649R
2661R
2662R