

TP-00478

TP-00478

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-00478.....

Classification No. Final Edition No. 1st.....

### LOCALITY

State ..... Florida .....

General Locality ..... Monroe County .....

Locality ..... Johnston Key to Sugarloaf Key .....

1974 TO 1977

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00478.	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final	
				<input type="checkbox"/> REVISED		JOB PH. 7201	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Rockville, Maryland				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Commander Collins				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, December 9, 1975 Supplement I, November 4, 1974 Supplement III, October 24, 1974 NOTE: Office and field edit instructions (1975) incorporate applicable prior Operational Instructions.				Aerial photography 9/2/69 Supplement I, 1/28/70 Supplement II, 3/26/70 Supplement III, 8/10/72 Field Edit (PH-7000 General Instructions for Florida Coastal Zone Mapping) 1973			
II. DATUMS							
1. HORIZONTAL: <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				4. GRID(S)			
Transverse Mercator				STATE		ZONE	
				Florida		East	
5. SCALE				STATE		ZONE	
1:10,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				Robert Kelly		10/75	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY				Taylor		4/76	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				N/A			
INSTRUMENT: CONTOURS BY				N/A			
SCALE: CHECKED BY							
4. MANUSCRIPT DELINEATION PLANIMETRY BY				James Schad		8/27/76	
CHECKED BY				C.F. Lewis		3/10/77	
METHOD: Graphic CONTOURS BY				N/A			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY							
CHECKED BY							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J. Battley		Mar 77	
6. APPLICATION OF FIELD EDIT DATA BY				P. Dempsey		June 77	
CHECKED BY				J. Battley		" "	
7. COMPILATION SECTION REVIEW BY				C. Lewis		Sept. 77	
8. FINAL REVIEW BY				D. Brant		Sept. 77	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				D. Brant		Oct. 1979	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				M. L. M. rep		APR 16 1981	

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

## COMPILATION SOURCES

TP-00478

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) <u>COLOR</u> (P) <u>PANCHROMATIC</u> (I) <u>INFRARED</u>		ZONE <b>Eastern</b>	
<input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
				MERIDIAN <b>75th</b>	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
C8240,42,43	Mar.14,'74		1:30,000	The stage of tide is N/A for color photography	
C7416,18,20	Mar.6,'74		1:30,000		
C8300,02,04,06	Mar.14,'74		1:30,000		
C8538,40,42	Mar.16,'74		1:30,000		
HW					
CR 2224, 25	Nov.10,'74	1234-1235	1:30,000	Refer to 76-36B(1) for tidal information	
CR 2296-99	Nov.11,'74	1337-1338	1:30,000		
CR2551	Nov.16,'74	1232	1:30,000		
LW-CR2568	Nov.17,'74	1029	1:30,000		
CR2780-81	Nov.22,'74	1149	1:30,000		
REMARKS CR2834	Nov.22,'74	1257	1:30,000		
CR2854-57	Nov.22,'74	1357-1358	1:30,000		

## 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 photography was used as an aid for interpreting cultural features, compiling vegetation limits, shoal and shallow areas.

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

## 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
N/A					

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00474	TP-00479	TP-00483	TP-00477

## REMARKS

Final junction 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 - 00478

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
Johnston Key to Sugarloaf Key			
74-C-2224-25R	Cudjoe Key	MHW -0.08	
74-C-2296R	Perky Lake	+0.37	
74-C-2297-98R	Sugarloaf Key E. Side	-0.22	
74-C-2299R	Cudjoe Key N.Pt.	-0.4	
74-C-2551R	Content Key (inside)	-0.11	
74-C-2568R	Content Key (Gulf side)	0.00	
74-C-2780R	Perky Lake	+0.1	
74-C-2834R	Johnston Key (inside)	+0.1	
74-C-2854-55R	Johnston Key	0.00	
74-C-2856-57R	Cudjoe Key N. Point	+0.17	

REMARKS:

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

## HISTORY OF FIELD OPERATIONS

TP-00478

I. ☒ FIELD INSPECTION OPERATION \* May 1974 ☒ FIELD EDIT OPERATION May 1977

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY J.D. Di Mare ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	5/77
3. VERTICAL CONTROL	RECOVERED BY P.B. Walbolt ESTABLISHED BY XXXXXXXXXX IDENTIFIED BY P.B. Walbolt	5/77
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY J.D. Di Mare IDENTIFIED BY	5/77
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	5/77
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	74C8302	S 327

## 3. PHOTO NUMBERS (Clarification of details)

74C8240, 8242, 8302, 8306  
74CR2568, 2856

## 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

There are no landmarks. Nonfloating aids located by field edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

## 7. SUPPLEMENTAL MAPS AND PLANS

5 pages of cuts to aids

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

\* The field report is bound with the Descriptive Report

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

## RECORD OF SURVEY USE

TP-00478

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Office - Class III	8/27/76	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
		6/77	Two (2) digitized Form 76-40 submitted for final report

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 6/77
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

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

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

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	

82° 50' 40' 30' 20' 5

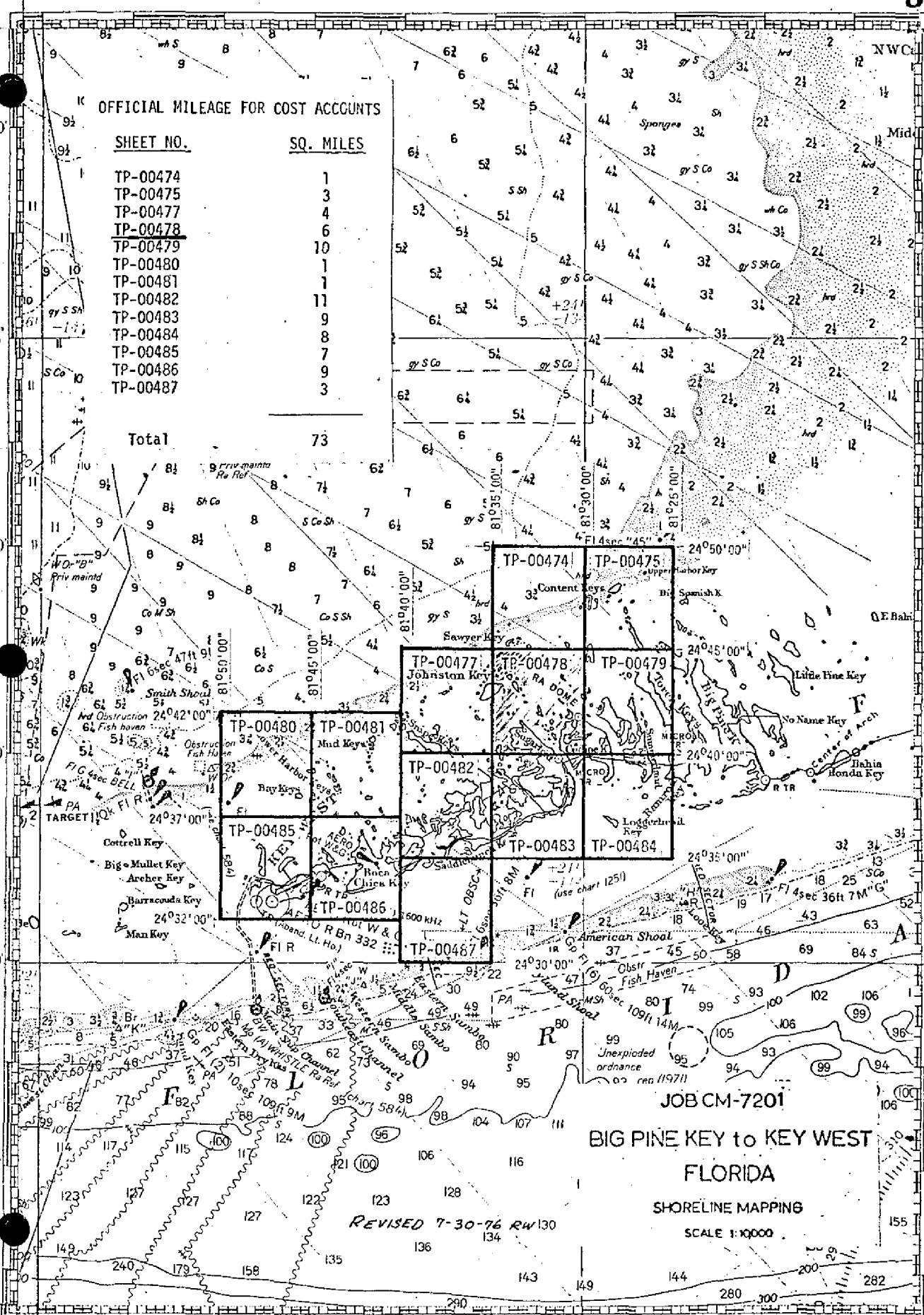
OFFICIAL MILEAGE FOR COST ACCOUNTS

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



(JOINS CHART 1112)

JOB CM-7201  
BIG PINE KEY to KEY WEST  
FLORIDA  
SHORELINE MAPPING  
SCALE 1:10000

REVISED 7-30-76 RW 130

82° 50' 40' 30' 20'

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

Coastal Zone Map TP-00478 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 17

**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,

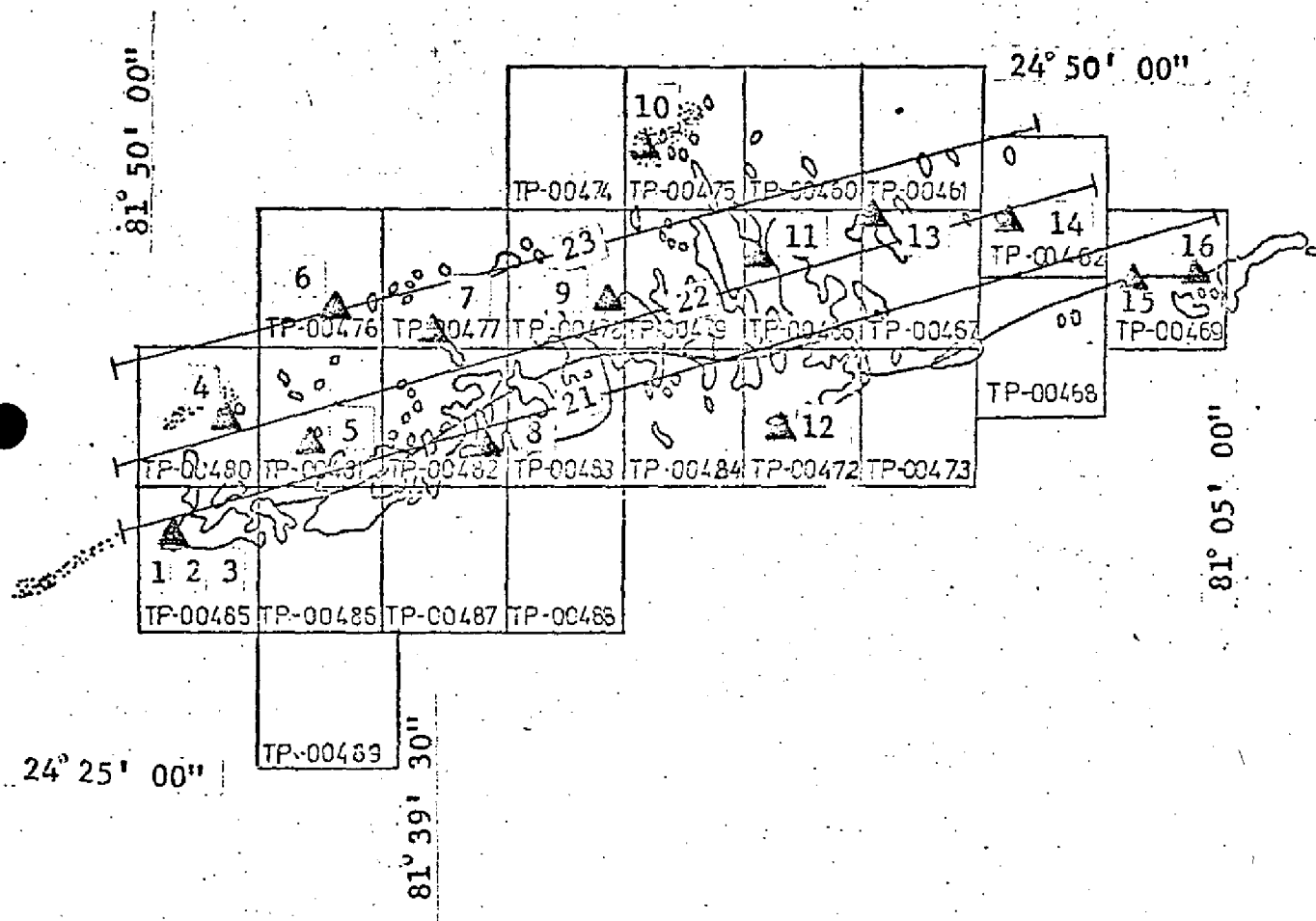
*Robert B. Kelly*  
Robert B. Kelly

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



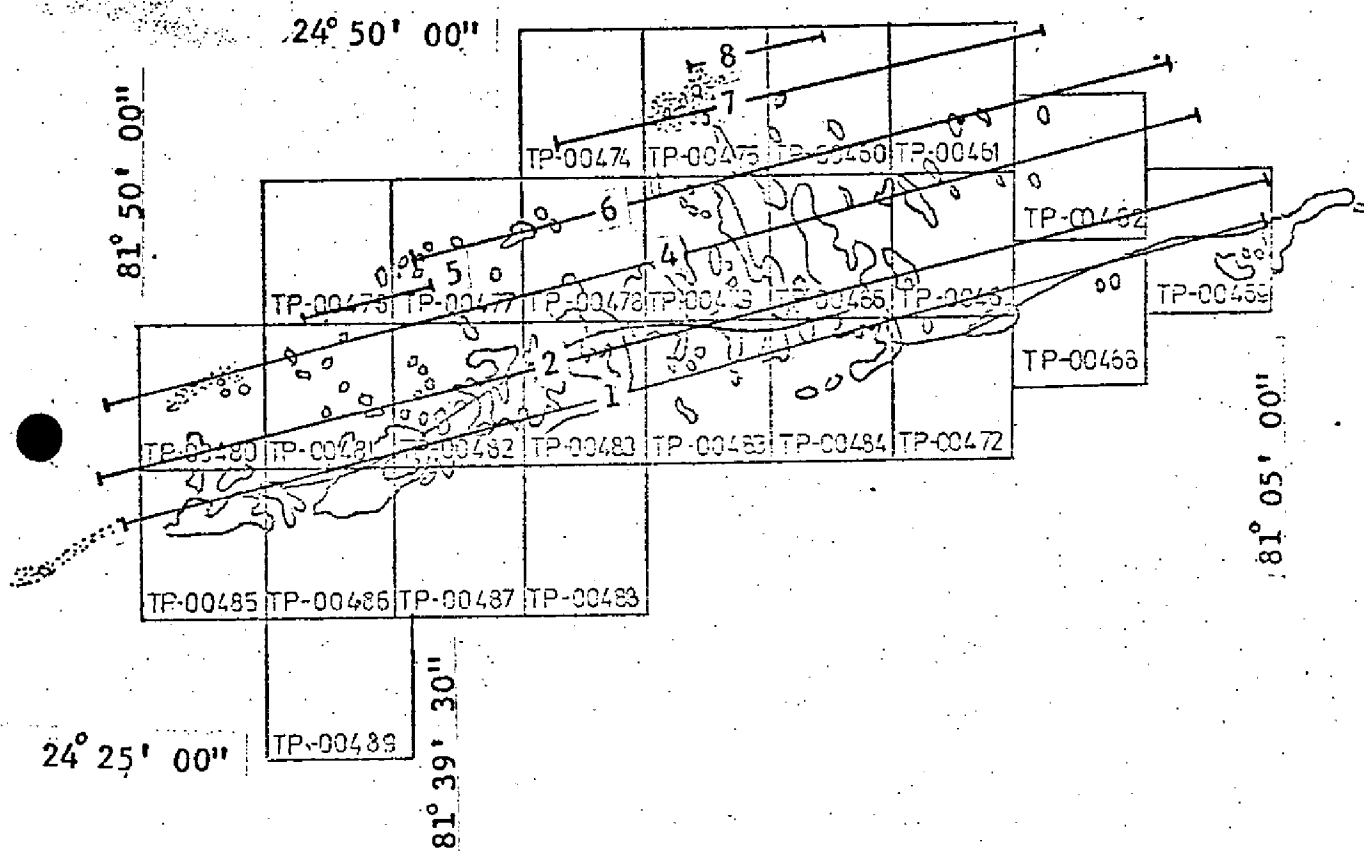
INDEX TO STRIPS OF PHOTOGRAPHS

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)

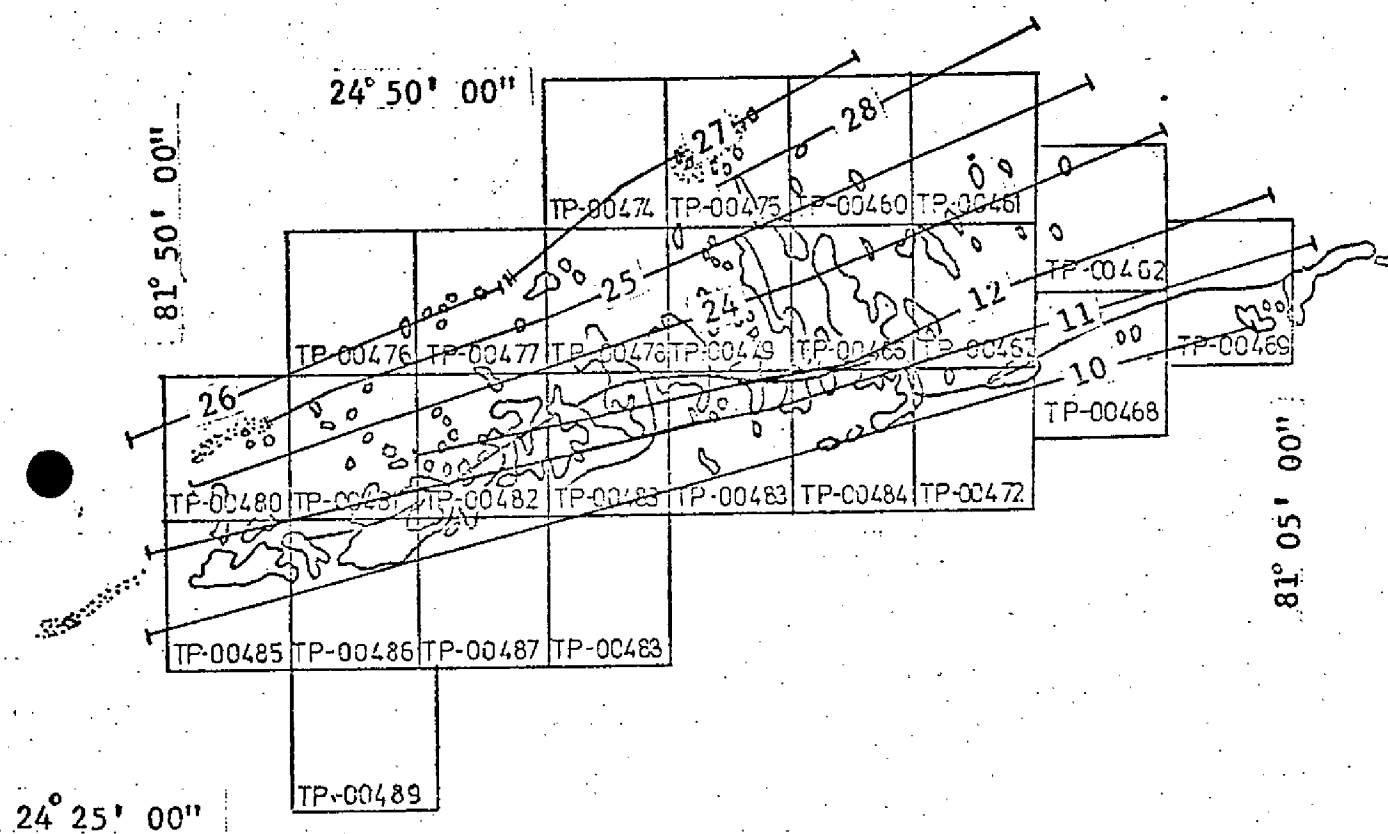
JOB CM-7201  
 BOOT KEY TO KEY WEST  
 FLORIDA  
 SHORELINE MAPPING  
 COMPILED PHOTOGRAPHY



INDEX TO STRIPS OF PHOTOGRAPHS

1	74C(c)	8362-8418
2	"	8419-8475
4	"	8274-8328
5	"	8228-8232
6	"	7408-7446
7	"	7518-7544
8	"	7484-7491

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

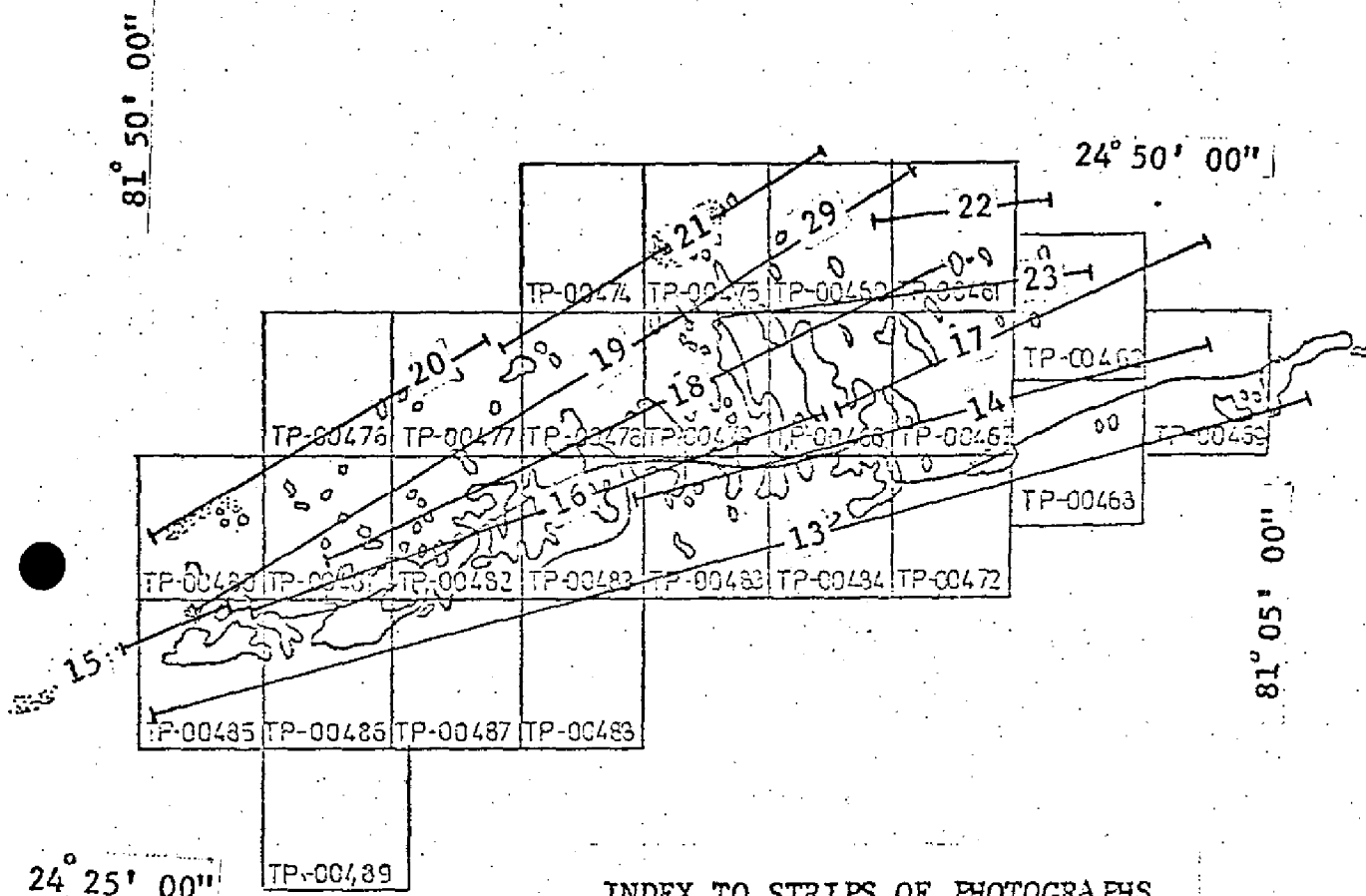


INDEX TO STRIPS OF PHOTOGRAPHS

10	74C	2624R-2653R
11	"	2655R-2685R
12	"	2744R-2757R
24	"	2769R-2795R
25	"	2846R-2866R
26	"	2823R-2833R
27	"	2566R-2576R
28	"	2524R-2532R



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- 00478

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
DOUGLAS KEY 2, 1935	Book 426, P. 9; GP 420 Fla. Vol. 1; PC 107 Fla. E Zone
EASTON, 1934	Book 426, P. 10, 24; GP 437 Fla. Vol. 1; PC 113 Fla. E Zone
LOAF, 1935	Book 426, P. 9, 38; GP 420 Fla. Vol. 1; PC 107 Fla. E Zone
MICHAEL KEY, 1935	Book 426, P. 6; GP 327 Fla. Vol. 1; PC 80 Fla. E Zone
RUF, 1935	Book 426, P. 6, 24, 42; GP 437 Fla. Vol. 1; PC 113 Fla. E Zone
SUGAR, 1934	Book 426, P. 9, 24, 44; GP 437 Fla. Vol. 1; PC 113 E Zone
TIP, 1934	Book 426, P. 9, 45; GP 437 Fla. Vol. 1; PC 113 Fla. E Zone
WEJOE, 1934	Book 426, P. 6, 49; GP 405 Fla. Vol. 1; PC 105 Fla. E Zone
NOSTON, 1934	Book 426, P. 10, 40; GP 438 PC 113
BM 327, 1976	See Triangulation CUD 2, 1976
BOM 12 (USE) 1976	See Triangulation CUD 2, 1976
CUD 2, 1976	

COMPILATION REPORT  
TP-00478

August 1976

31. Delineation

All features were delineated by graphic compilation. The rectified black-and-white prints of the color photography were controlled by map points determined by aerotriangulation and were used for compiling shoal and shallow areas, interior features, and limits of vegetation (where the tide-coordinated, black-and-white photography did not clearly show the shoreline).

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 rectified black-and-white prints of the color photography.

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

32. Horizontal Control

See Photogrammetric Plot Report.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Ponds, lakes, and drainage were compiled from ratioed black-and-white prints of the infrared photography.

35. Shoreline and Alongshore Details

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

See NOAA Form 76-40. All landmarks and/or aids to navigation will be located during field edit.

38. Controls for Future Surveys - None

39. Junctions - Refer to Form 76-36B.

40. Horizontal Accuracy

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

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangle:

Sugarloaf Key, Florida 1972 - Scale 1:24,000.

No significant differences were noted.

47. Comparison with Nautical Charts

	<u>Old Number</u>	<u>New Number</u>	
No. 11165	(853)	(854)-11445	- Scale 1:40,000
No. 11164	(859)	11448	- Scale 1:40,000
No. 11442	(1251)	11442	- Scale 1:80,000

Items to be applied to Nautical Charts Immediately - None.

Items to be Carried Forward - None.

Submitted by:

*James Schad*

James Schad

Approved and Forwarded:

*Jeter P. Battley, Jr.*

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

21 April 1976

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-7201 (Florida Keys)

TP-478

Bow Channel ✓

Budd Keys ✓

Cudjoe Basin ✓

Cudjoe Channel ✓

Cudjoe Key ✓

Dreguez Key ✓

Great White Heron National Wildlife Refuge ✓

Happy Jack Key ✓

Happy Jack Mangrove ✓

Johnston Key ✓

Johnston Key Channel ✓

Johnston Key Mangroves ✓

Kemp Channel ✓

Little Swash Keys ✓

National Key Deer Refuge ✓

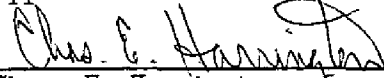
Pumpkin Key ✓

Rattlesnake Lumps ✓

Sugarloaf Key ✓

Tarpon Belly Keys ✓

Approved

  
Chas. E. Harrington  
Staff Geographer - C51x2

FIELD EDIT REPORT TP-00478, JOB CM-720151. METHODS

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

Eight triangulation stations were recovered. Two of the eight are recommended for plotting since they are tidal bench marks. Two stations on the manuscript are lost.

One vertical control station falls on this manuscript and was identified.

There are no landmarks.

All known aids were located.

Four tide stations are on this manuscript.

<u>Station</u>	<u>Bench Mark</u>	<u>Photograph</u>
Sugarloaf Key, EAST END	TBM 2	74C8302 /
Cudjoe Key, North Point	S 327	74C8302 /
Sugarloaf Key, North End	SUGAR, 1934	74C8240 /
Pumpkin Key (0.6 mile northwest of Key on larger unnamed Key, Sugarloaf Channel	EASTON, 1934	74C8240

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.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

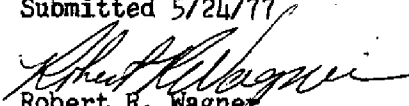
None.

77V 5/31/77

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 5/24/77

  
Robert R. Wagner

Chief, Photo Party 66

## Review Report

TP-00478  
October 197961. General

The map manuscript for Coastal Zone Map TP-00478 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 negatives and the descriptive report.

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

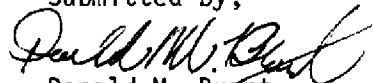
Comparison was made with the following USGS quadrangle map 1:24,000 scale:

Sugarloaf Key, Florida, 1972  
No significant differences were noted.  
Comparison was made with chart 11448, 9th Edition, dated June 23, 1979.  
No significant difference were noted.

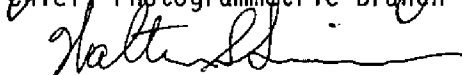
63. thru 65. Inapplicable66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00478 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, Photogrammetry Division



76-40  
LISTING  
PHOTOGRAMMETRIC BRANCH  
COASTAL MAPPING DIVISION  
NATIONAL OCEAN SURVEY  
DEPARTMENT OF COMMERCE  
NOAA  
USA  
770818  
VERSION  
DATATAB

	* SVY	TP-00478	* NONFLOATING AIDS FOR CHARTS TO BE CHARTED	* RPT UNIT	CMD, ROCKVILLE, MD.	* PAGE 1 OF 2
*	JOB	PH-7201	*	STATE	FLORIDA	*
*	PRJ	833205	*	LOCALITY	SUGARLOAF KEY	*ORIGINATING ACTIVITY
*	DTM	NA 1927	*	DATE	06/08/77	* COMPILATION

* CHARTING*	* DESCRIPTION	* POSITION	* METHOD AND DATE	* CHARTS *
* NAME *	* RECORD REASON FOR DELETION	* LATITUDE DM	* ALTEK* OF LOCATION	* * CHARTS *
	* PUT TRIANGULATION NAMES IN ( )	* LONGITUDE DP	* DGTZD* OFFICE *	* FIELD *AFFECTED*
THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS				

\* BIG SPANISH CHANNEL - KEY WEST \*

	DYRN *		*	24	43	31.07	956.0	*	P-L-3-8	*	11448
	71 *		*	81	30	22.66	636.8	*	* 05/21/77	*	11442
	DYBN *		*	24	43	36.51	1123.3	*	P-L-3-8	*	
	72 *		*	81	30	25.94	729.0	* <th>* 05/21/77</th> <td>*</td> <td>DITTO</td>	* 05/21/77	*	DITTO

DYBN	*	*	24	43	23.55	724.6	*	P-L-3-8	*
74	*	*	81	30	42.52	1195.0	*	05/21/77	*
DITTO									
DYBN	*	*	24	43	20.02	616.0	*	P-L-3-8	*
75	*	*	81	30	42.97	1207.7	*	05/21/77	*
DITTO									
11448									
11442									
11445									

DATE	DESCRIPTION	AMOUNT	CHECK NO.	ACCOUNT	DATE	DESCRIPTION	AMOUNT	CHECK NO.	ACCOUNT
10/1/77	DYBN	76	*	24	42	59.03	1816.2	*	P-L-3-6
10/1/77	DITTO	76	*	81	31	10.88	305.8	*	05/21/77
10/1/77	DYBN	78	*	24	43	09.18	282.4	*	P-L-3-6
10/1/77	DITTO	78	*	81	31	38.40	1079.3	*	05/21/77
10/1/77	DYBN	78	*	24	42	58.36	1795.6	*	P-L-3-6
10/1/77	DITTO	78	*	81	31	10.88	305.8	*	05/21/77

80 *	*	81	32	06.08	170.9	*	05/21/77	*	11442
DYBN *									
82 *									
DYBN *									
JOHNSTON KEY									
	*	24	42	57.84	1779.6	*	P-L-3-6	*	
	*	81	32	39.50	1110.2	*	05/21/77	*	01110
DITTO									
DYBN *									
	*	24	42	35.88	1103.9	*	P-L-3-6	*	11448

[illegible][illegible]

* SVY	* TP-00478	* NONFLOATING AIDS FOR CHARTS	* RPT UNIT	* CMD, ROCKVILLE, MD.	* PAGE	* 2 OF 2	* CHARTS
* JOB	* PH-7201	* TO BE CHARTED	* STATE	* FLORIDA	* ORIGINATING	* ACTIVITY	* COMPILATION
* PRJ	* 833205		* LOCALITY	* SUGARLOAF KEY	* DATE	* 06/08/77	
* DTM	* NA 1927		* DATE				
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *							
* DESCRIPTION	* LATITUDE	* LONGITUDE	* POSITION	* CMD	* METHOD	* AND DATE	* CHARTS
* RECORD REASON FOR DELETION	* DM	* DP	* ALTEK	* OF LOCATION	* FIELD	* AFFECTED	
* NAME	* PUT TRIANGULATION NAMES IN ( )		* DGTZD	* OFFICE			
*-----*							
* DYBN	* BIG SPANISH CHANNEL - KEY WEST	* 24 42 31.94	* 982.7	* *	* P-L-3-6	* 11448	*
* 85	* JOHNSTON KEY	* 81 33 26.47	* 744.0	* *	* 05/21/77	* 11442	*
*-----*							
* DYBN	* DAYBEACON NOT IN PLACE, PIPES	* 24 42 30.55	* 940.0	* *	* P-L-3-6	* 11445	*
* 87	* FOUND BELIEVED TO BE DYBN. 87	* 81 33 34.02	* 956.2	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* BIG SPANISH CHANNEL - KEY WEST	* 24 42 26.23	* 807.0	* *	* P-L-3-6	* DITTO	*
* 89	* JOHNSTON KEY	* 81 33 40.64	* 1142.3	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 42 27.24	* 838.1	* *	* P-L-3-6	* DITTO	*
* 90		* 81 33 41.43	* 1164.5	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 42 25.42	* 782.1	* *	* P-L-3-6	* DITTO	*
* 92		* 81 33 49.21	* 1383.2	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 42 20.54	* 632.0	* *	* P-L-3-6	* DITTO	*
* 94		* 81 33 57.37	* 1612.6	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 42 11.83	* 364.0	* *	* P-L-3-6	* DITTO	*
* 95		* 81 34 14.61	* 410.7	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 41 53.66	* 1651.0	* *	* P-L-3-6	* DITTO	*
* 97		* 81 34 34.63	* 973.5	* *	* 05/21/77	* DITTO	*
*-----*							
* DYBN	* DITTO	* 24 41 37.33	* 1148.6	* *	* P-L-3-6	* DITTO	*
* 99		* 81 34 53.58	* 1506.2	* *	* 05/21/77	* DITTO	*
*-----*							
* *	* *	* *	* *	* *	* *	* *	*
* *	* *	* *	* *	* *	* *	* *	*

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

National Archive Data  
for  
TP-00478

- 1 Discrepancy Print (paper copy)
- 1 Field Edit Sheet (stable base copy)
- 1 Form 76-36C (History of Field Operation)
- 3 Forms 76-40 (Nonfloating Aids or Landmarks for Charts)
- 5 Pages of Field Notes (sexant fixes)

Photograph: Portions of the following photos --

74 C 8240 and 8242

8302

8538

74 CR 2556

2568