'Original

TP-00461

TP-00461

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-00461.....

Classification No. Final
Field Edited Map

Edition No. ..1.....

LOCALITY

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

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

Locality ..Jack Bank to Johnson Keys.....

.....

19 74 TO 19 76

REGISTRY IN ARCHIVES

DATE .....

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

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

DESCRIPTIVE REPORT - DATA RECORD

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

SURVEY TP-00461

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-7120

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander James Collins

LAST PRECEEDING MAP EDITION

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

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, December 9, 1975 Supplement I, November 4, 1974 Supplement III, October 24, 1974 NOTE: Office and field edit instructions (1975) incorporate applicable prior operational instructions.	Instructions-FIELD-July 6, 1972 Field Edit (PH-7000 General Instructions for Florida Coastal Zone Mapping) 1973

II. DATUMS

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

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

3. MAP PROJECTION: Transverse Mercator

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

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD:	BY	R. Kelly	10/75
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD:	PLOTTED BY	J. Taylor	3/76
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	N/A	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	N/A	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J. McClure	5/76
	CHECKED BY		
METHOD: Graphic-rectified photos	CONTOURS BY	N/A	
	CHECKED BY	J. Battley	5/76
SCALE:	HYDRO SUPPORT DATA BY		
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley-D. Brant	5/76
6. APPLICATION OF FIELD EDIT DATA	BY	J. Schad	8/76
	CHECKED BY		
7. COMPILATION SECTION REVIEW	BY	C. Lewis	7/77
8. FINAL REVIEW	BY	D. Brant	8/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	11/77
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R Cater	3/78

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

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

NOAA FORM 76-36B
(3-72)

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

TP-00461

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC10 "C" 3½" focal length

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

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

TIME REFERENCE
- ZONE: Eastern
- MERIDIAN: 75th
- ☒ STANDARD
- ☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74C(C)7434,36,38,40	3/6/74	1025	1:30,000	The stage of tide is inapplicable for the color photography.
74C(C)7537,40,42,44	3/6/74	1100	"	
74C(C)8257,59,61	3/14/74	1530	"	
74C(R)2246-49	11/11/74	1227	"	Refer to form 76-36B(1) for tide information
74CR2259	11/11/74	1311	"	
74CR2306,07,18,19	11/11/74	1355	"	
74CR2531,32	11/16/74	1027	"	
74CR2791	11/22/74	1154	"	
74CR2867,68	11/22/74	1405	"	

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 the limits of vegetation and compiling 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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemporary Survey	TP-00462	TP-00467	TP-00460

REMARKS

Final junctions will be made in the Coastal Mapping Section.

NOAA FORM 76-36B
(3-72)

* U.S. GOVERNMENT PRINTING OFFICE: 1974-768-078

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

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

TIDE - COORDINATED PHOTOGRAPHY

TP -00461

LOCATION AND PHOTOGRAPHY	TIDE STATIONS *(In operation at time of photography)*	STAGE OF TIDE	MEAN RANGE
JOHNSON KEYS			At tide Station
74CR2246-2249	BIG SPANISH KEY*	+0.20 MHW	2.67'
74CR2259	BIG SPANISH KEY*	-0.21 MHW	
74CR2306,2307	BIG PINE KEY, N. END	+0.16 MHW	1.27'
74CR2318,2319	BIG SPANISH KEY	-0.18 MHW	
74CR2531,2532	BIG SPANISH KEY	-0.05 MLW	
74CR2791 & 2792	NO NAME KEY	+0.03 MLW	0.71'
74CR2867,2868	BIG SPANISH KEY**	+0.23 MLW	
74CR 2865, 2866	BIG SPANISH KEY	+0.23 MLW	

REMARKS: *This flight indicates no MHW exists on TP-00461 north of West Bahia Honda Key - flight not sent with field edit data.

**Only area with mangrove islands on this flight are sun struck - no MLW visible.

NOAA FORM 76-36C
(3-72)

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

TP-00461

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION * Aug 1972 [X] FIELD EDIT OPERATION June 1976

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY	J. D. DiMare	6/76
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY		
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. R. Wagner	6/76
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	Inapplicable	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
	Refer to Field Report

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)
74C7438, 8257; 74C(R)2865
74C(R)2789, 2790 submitted with TP-00467

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
There are no nonfloating aids or landmarks on this map.

PHOTO NUMBER	OBJECT NAME

PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT [X] NONE

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

7. SUPPLEMENTAL MAPS AND PLANS
Inapplicable

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)
* The field report for this map is bound in this Descriptive Report

NOAA FORM 76-36C
(3-72)

★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36D
(3-72)

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

TP-00461

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class III Map	11/8/76	Copy furnished for hydro requirements branch		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			There are no nonfloating aids or landmarks for charts on this map.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

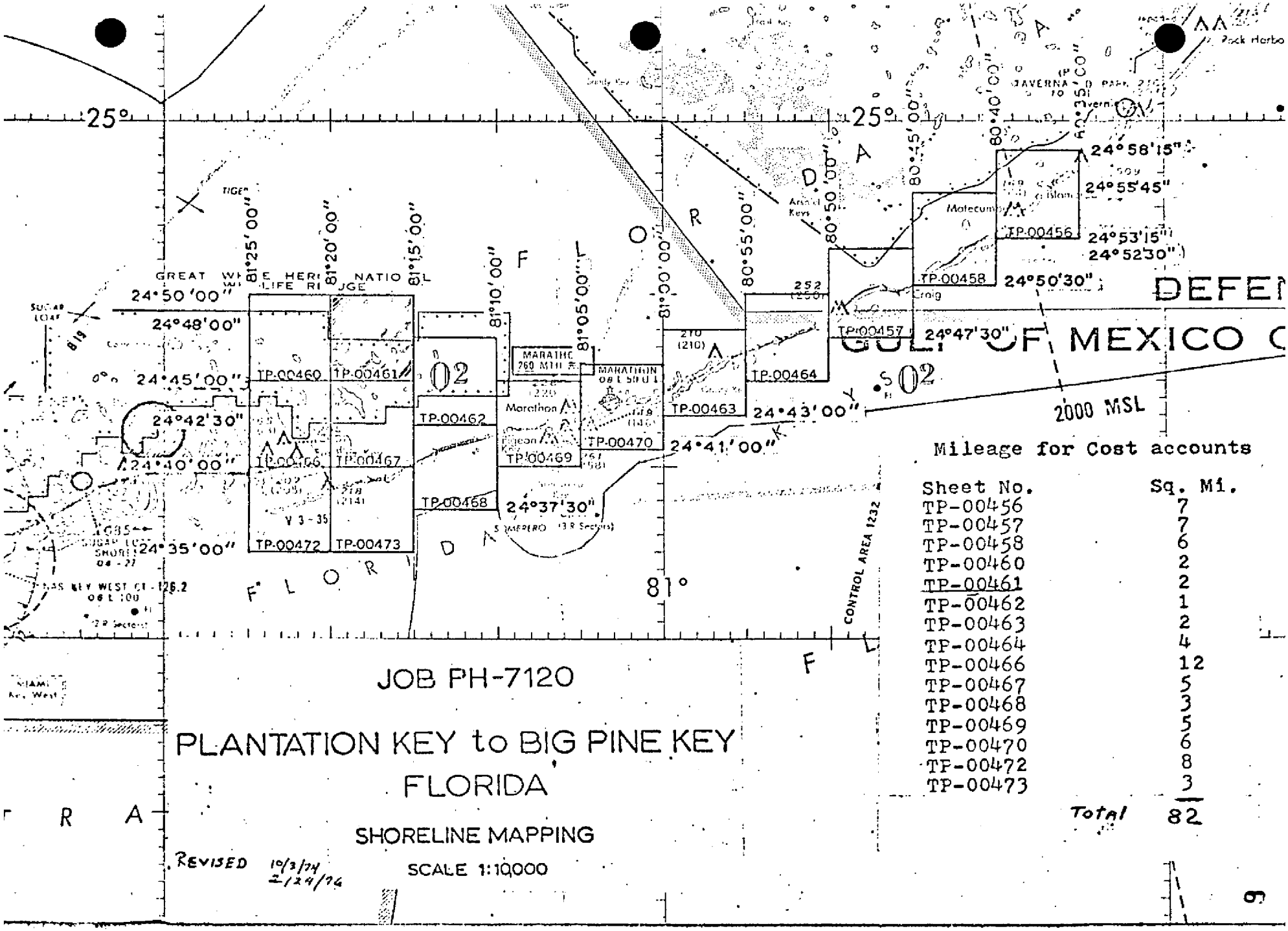
1. ☑ BRIDGING PHOTOGRAPHS; ☑ DUPLICATE BRIDGING REPORT; ☑ COMPUTER READOUTS.
2. ☑ CONTROL STATION IDENTIFICATION CARDS; ☑ FORM NOS 76-40 567 SUBMITTED BY FIELD PARTIES.
3. ☑ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ 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	

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



JOB PH-7120

PLANTATION KEY to BIG PINE KEY

FLORIDA

SHORELINE MAPPING

SCALE 1:10000

REVISED 10/3/74
2/24/74

Mileage for Cost accounts

Sheet No.	Sq. Mi.
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
Total	82

SUMMARY
For
TP-00456 thru TP-00458
TP-00460 thru TP-00464
TP-00466 thru TP-00473

Coastal Zone Map TP-00461 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 aera (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 tellurometers 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 ± 0.10 foot for MHW and MLW and ±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, Colorada.

Line 20-1 Atlantic Side MHW Flown at 1211-1225 on 28 July when the DUCK KEY staff read 3.50-3.35. Was reflown at 1225-1235 the same day. MLW Flown at 1605-1615 on 8 August and reflown 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 reflown at 1350-1500 on 28 July when the staff at GRASSY KEY read 3.50-3.70. Mid 1/3 MLW South ½ of this line flown at 915-920 on 30 July when the GRASSY KEY staff read 2.80. North ½ 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 1259-1300 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 reflown 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 [illegible] 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. MLW Flown at 1636-1640 on 11 August when the staff read 2.17-2.15.

Line 30-4. MHW Flown at 1045-1047 on 12 August when the LOWER MATECUMBE KEY, FLA. BAY staff read 3.15-3.17. Reflown on 13 August at 1120-1122 when the staff read [illegible] 3.10. MLW Flown on 11 August at 1534-1537 when the staff read 2.40 and reflown 1545-1548 the same day when the staff read 2.39-2.37.

Line 30-3 MWL Flown on 11 August at 1602-1606 when the staff at TAVERNIER, FLA. BAY read 2.67. Reflown on 12 August at 1621-1624 when the staff read 2.68.

Line 30-2. North half controlled by TAVERNEIR, FLA. BAY MWL. Flown on 11 August at 1556-1601 when staff read 2.68-2.67. Reflown on 12 August at 1627-1630 when the staff read 2.68. MHW Southern end. Flown at 1407-1410 on 13 August when the UPPER MATECUMBE KEY, FLA. BAY staff read 2.58. Tide at this location had not reached the 0.1 foot tolerance on high water for several days. MLW Flown at 1556-

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
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 theuaccuracy 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

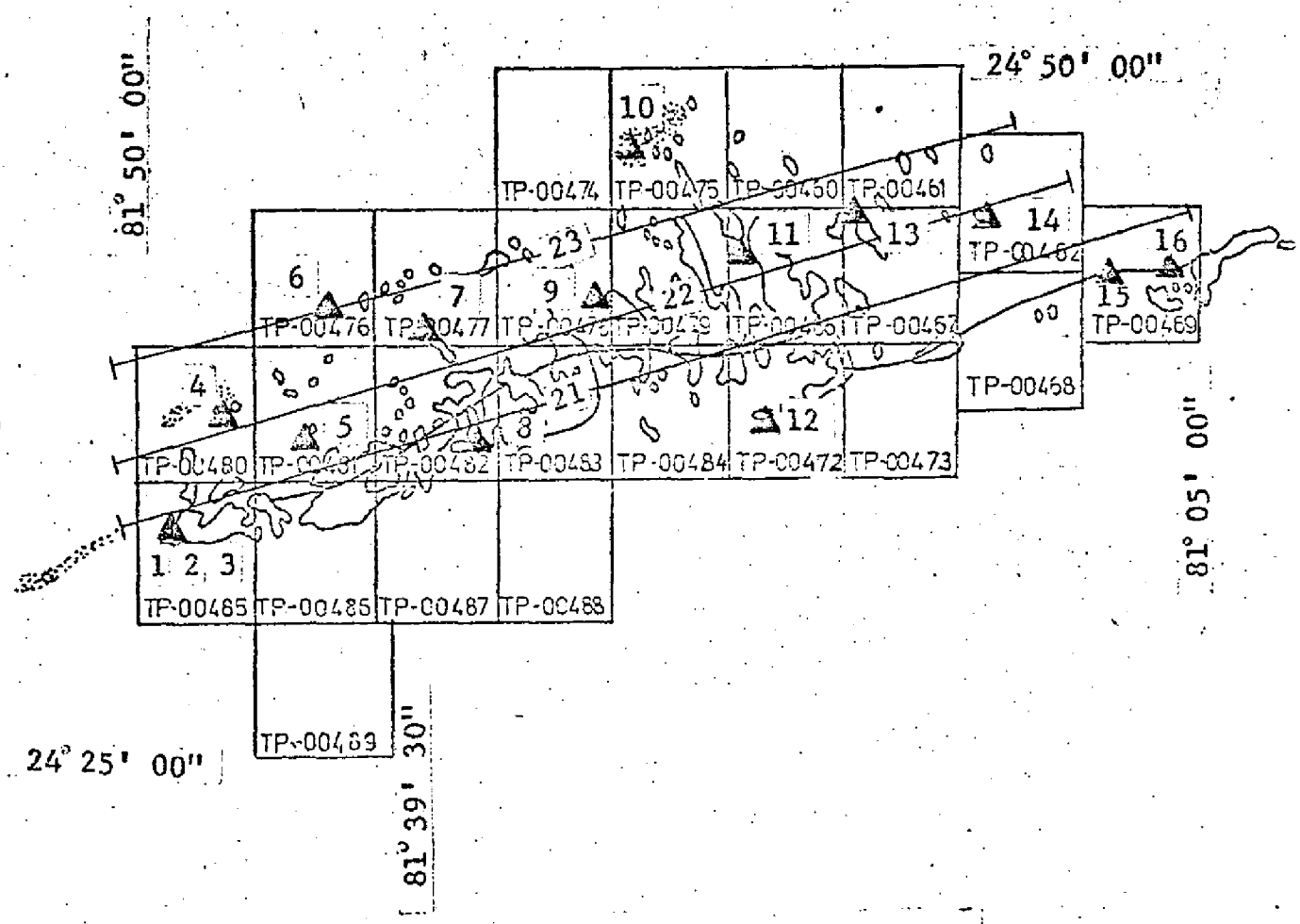
JOB CM-7201

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

CLOUSURES 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)

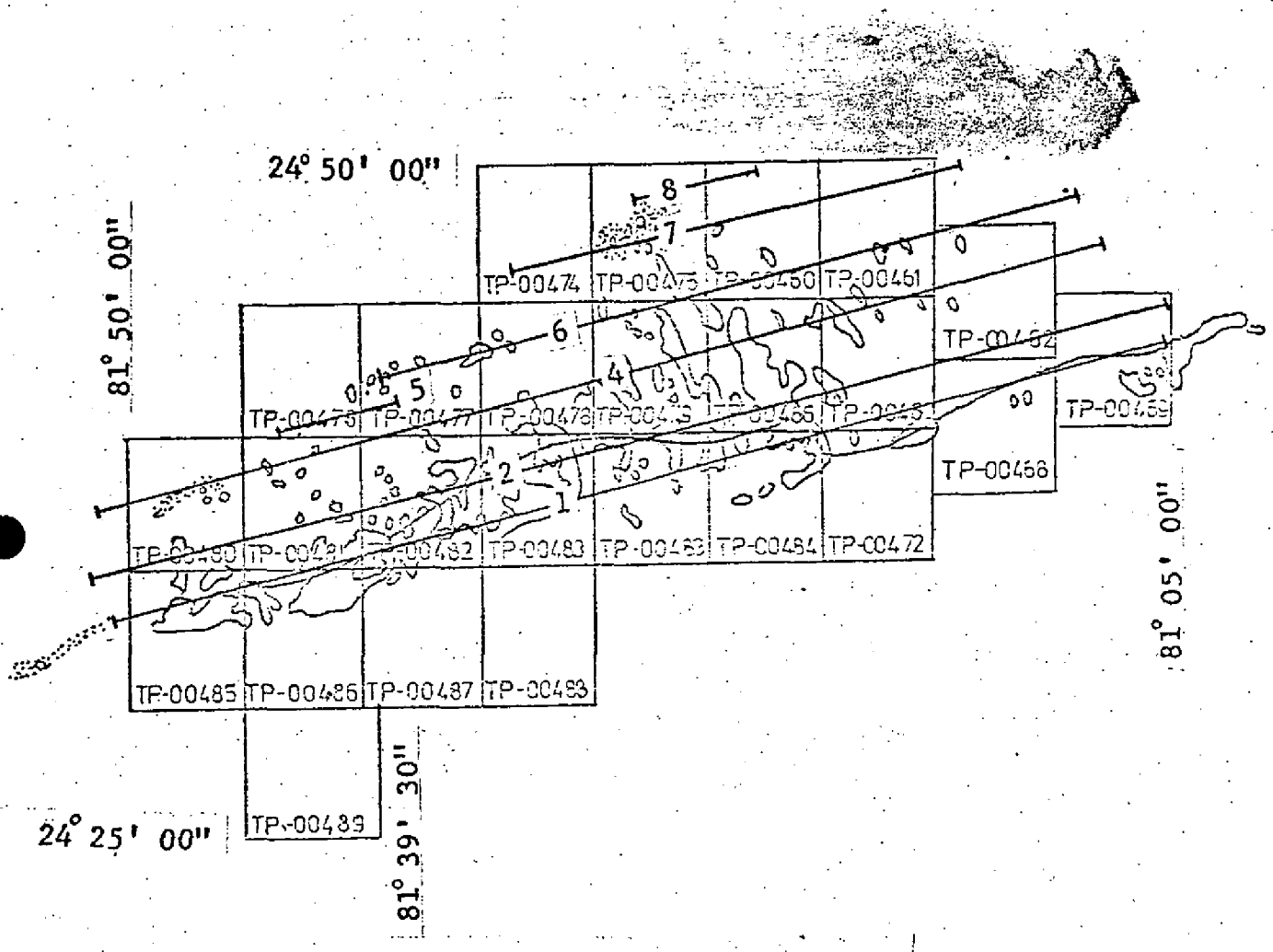
JOB CM-7201

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	"	7408-7446
7	"	7518-7544
8	"	7484-7491

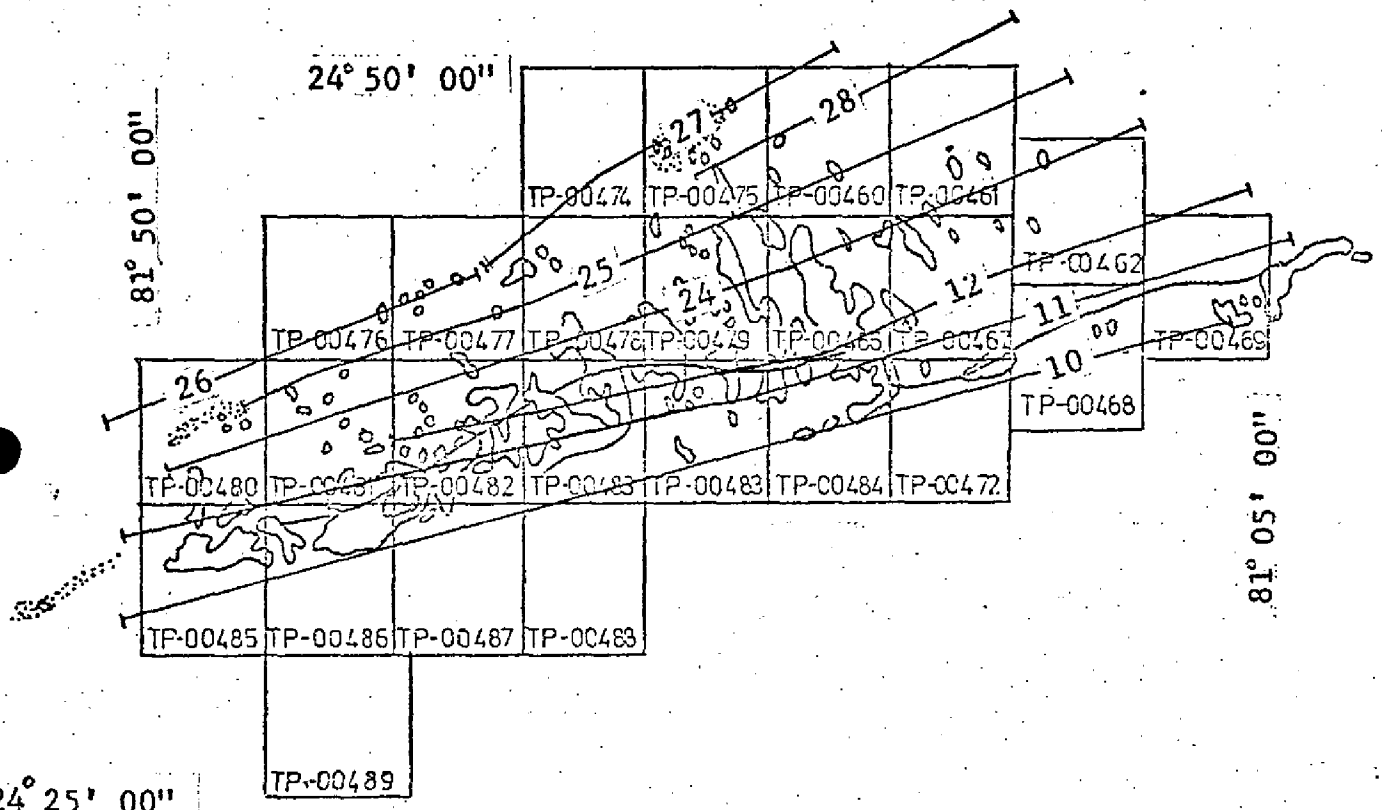
JOB CM-7201

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-2767R
24	"	2769R-2795R
25	"	2846R-2868R
26	"	2823R-2833R
27	"	2566R-2576R
28	"	2524R-2532R

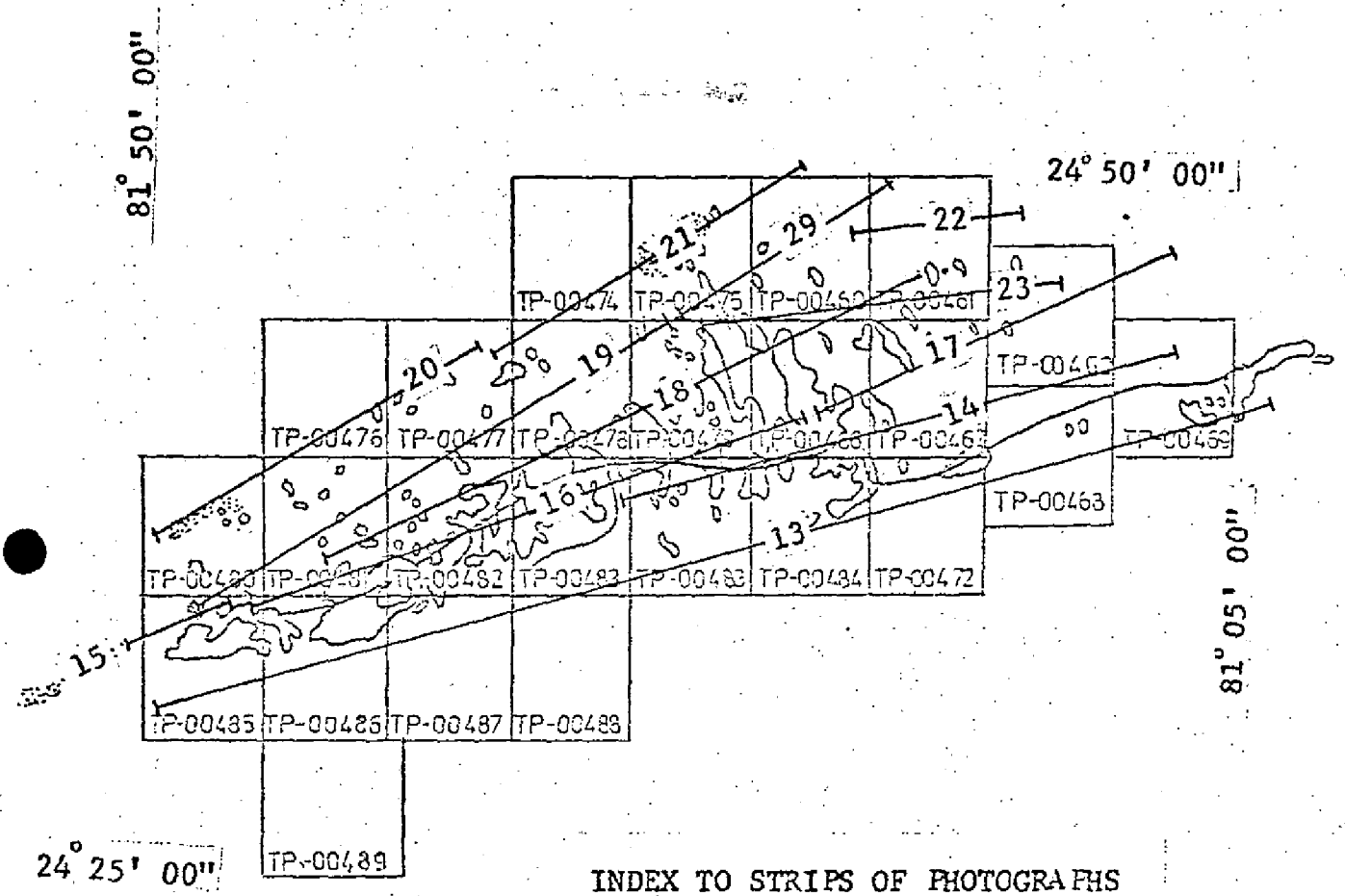
JOB CM-7201

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

HORIZONTAL CONTROL TP-00461

Station	NOS Geodetic Data Reference for Descriptions, Positions, Coordinates and Azimuths
DOCK, 1935	Book 425, P. 22, 31, 37; GP 446 Fla. Vol. 1 PC P. 116 Fla. E. Zone
HORSESHOE KEY 2, 1909, 1935	Book 425, P. 22; GP 421 Fla. Vol. 1; PC P. 108 Fla. E. Zone

Compilation Report
TP-00461
May 1976

31. Delineation

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

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 - Not applicable

35. Shoreline and Alongshore Details

Office interpretation of the tide-coordinated black-and-white infrared photography was adequate for delineating the shoreline and alongshore detail.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

All aids and/or landmarks are to be located by field edit.

38. Control For Future Surveys - None

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

40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following USGS 7½ minute topographic quadrangle:

Horseshoe Keys, FL, 1972, 1:24,000

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11442 1:80,000 June 15, 1974
11445 Side A 1:40,000 June 28, 1975
11448 1:40,000 Nov. 23, 1974
11449 Side B 1:40,000 Aug. 23, 1975
11451 Page C 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:
Peter P. Battley Jr.

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

FIELD EDIT REPORT, MAP TP-00461, JOB PH-7120

51. METHODS

The shoreline was inspected from a small boat while cruising just off shore. Field edit notes will be found on the rectified photographs, discrepancy print and field edit sheet.

Two triangulation stations were recovered.

There are no aids, landmarks and vertical control on this manuscript.

Three tide gages were established on this manuscript, however Horseshoe Keys gage was not located or used because it did not have 30 days of record. Johnson Key North was used to inspect the MLW north of the main body of Keys to the manuscript limits as instructed by the Rockville Office. No MLW was found.

Two tide gages were identified.

Station	Bench Mark	Photograph
Johnson Key North	No. 5	74C8257
West Bahia Honda Key	DOCK 1935 (Control Sta.)	74C7438

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 6/9/76

Robert R. Wagner
Chief, Photo Party 66

REVIEW REPORT
TP-00461
September 1977

61. General

The map manuscript for Coastal Zone Map TP-00461 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 map, 1:24,000 scale:

Horseshoe Keys, Florida, 1972

No significant changes were found.

Comparison was made with chart 11448 (formerly C&GS 859), 7th edition, dated November 23, 1974.

The following obstructions shown on chart 11448 are not shown on map TP-00461:

1. Piling - latitude 24°49'
   longitude 81°18.5'

2. Rocks awash - latitude 24°46.2'
   longitude 81°19.8'

3. Rock awash - latitude 24°45.2'
   longitude 81°19.8'

4. Rock awash - latitude 24°45.1'
   longitude 81°16.2'

These obstructions are not visible on the photography. They were investigated by field edit and not found. A copy of the field editor's notes about these obstrucions is attached to the chart maintenance print.

63. thru 65. Inapplicable

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00461 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

30 Jan. 1976

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7120 (Florida Keys)

TP-461

Great White Heron National Wildlife Refuge ✓

Gulf of Mexico ✓

Horseshoe Bank ✓

Horseshoe Keys ✓

Jack Bank ✓

Johnson Keys ✓

Sandfly Key ✓

West Bahia Honda Key ✓

Approved

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer - C51x2

NATIONAL ARCHIVES DATA

TP-00461

1 Discrepancy print

1 Field Edit sheet

1 NOAA Form 76-36 (History of Field Edit Operation)

PHOTOGRAPHS:

74-C(R) 2789, 2790, 2865

74-C 7438, 7457