

TP- 00483

TP-00483

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-00483

Classification No. Final Edition No. 1

LOCALITY

State Florida

General Locality Monroe County

Locality Sugarloaf Key

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.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. 00483 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 7201	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Rockville, Maryland				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Cdr. Walter Simmons				TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000 December 9, 1975 Supplement I, November 4, 1974 Supplement, III, October 24, 1974				2. FIELD 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) Mean Water Level			
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 BY METHOD: LANDMARKS AND AIDS BY				R. Kelly		Oct 75	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY				J. Taylor		June 76	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				Inapplicable			
INSTRUMENT: CONTOURS BY				Inapplicable			
SCALE: CHECKED BY							
4. MANUSCRIPT DELINEATION PLANIMETRY BY				A. M. Tolzman		Feb 77	
METHOD: Graphic-Rectified Photos CHECKED BY				J.B. Battley		Mar 77	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				Inapplicable			
CHECKED BY							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J. P. Battley		May 77	
6. APPLICATION OF FIELD EDIT DATA BY				A.M. Tolzman		June 77	
CHECKED BY				C. Lewis		July 77	
7. COMPILATION SECTION REVIEW BY				Lewis		July 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		Apr 80	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				D. Brant		APR 16 1981	

COMPILATION SOURCES

TP-00483

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C" 3.5" focal length Wild RC-10 "R" 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR		ZONE	☒ STANDARD
☐ PREDICTED TIDES		(P) PANCHROMATIC		Eastern	☐ DAYLIGHT
☐ REFERENCE STATION RECORDS		(I) INFRARED B&W		MERIDIAN	
☒ TIDE CONTROLLED PHOTOGRAPHY				75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74C8394 & 8396	Mar. 16, '74		1:30,000	The stage of tide is inapplicable for the color photography. Refer to 76-36B(1) for tide information	
74C8441 & 8447	Mar. 16, '74		1:30,000		
74C8538, 8540 & 8542	Mar. 16, '74		1:30,000		
74C2202R	Nov. 8, '74	1342	1:30,000		
74C2296R	Nov. 11, '74	1340	1:30,000		
74C2339R-2341R	Nov. 12, '74	0949-1011	1:30,000		
74C2455R-2459R	Nov. 12, '74	1446-1455	1:30,000		
74C2640R-2642R	Nov. 22, '74	0921-0936	1:30,000		
74C2666R-2668R	Nov. 22, '74	0947-1001	1:30,000		
74C2761R-2763R	Nov. 22, '74	1105-1117	1:30,000		
REMARKS 74C2779R	Nov. 22, '74	1145	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 color photography was used as an aid for interpreting cultural features and compiling the limits of vegetation and shoal and shallow areas.

Where the MHWL is obscured by vegetation 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
TP-00478	TP-00484	No survey	TP-00482

REMARKS

Final junctions will be made in the Coastal Mapping Section.

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - 00483

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
74C-2202R	Cudjoe Key, Pirates Cove	-0.09 MHW	1.51'
74C-2296R	Perky Lake	+0.37 MHW	0.34'
74C-2339R-2341R	Summerland Key & side	+0.19 MHW	1.18'
74C-2455R	Kemp Channel	+0.11 MHW	0.66'
74C-2456R-2459R	Sugarloaf Sound	+0.05 MHW	0.22' *
74C-2640R-2642R	Summerland Key & Side	+0.10 MLW	1.18'
74C-2666R	Sugarloaf Sound	+0.10 MLW	0.22' *
74C-2667R-2668R	Perky Lake	+0.18 MLW	0.34'
74C-2761R	Kemp Channel	+0.03 MLW	0.66'
74C-2762R	Perky Lake	+0.13 MLW	0.34'
74C-2763R	Sugarloaf Sound	+0.09 MLW	0.22' *
74C-2779R	Perky Lake	+0.10 MLW	0.34'

REMARKS: *

Recorded MWL



2B
UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
Rockville, Md. 20852

July 7, 1980

OA/C233:JRH

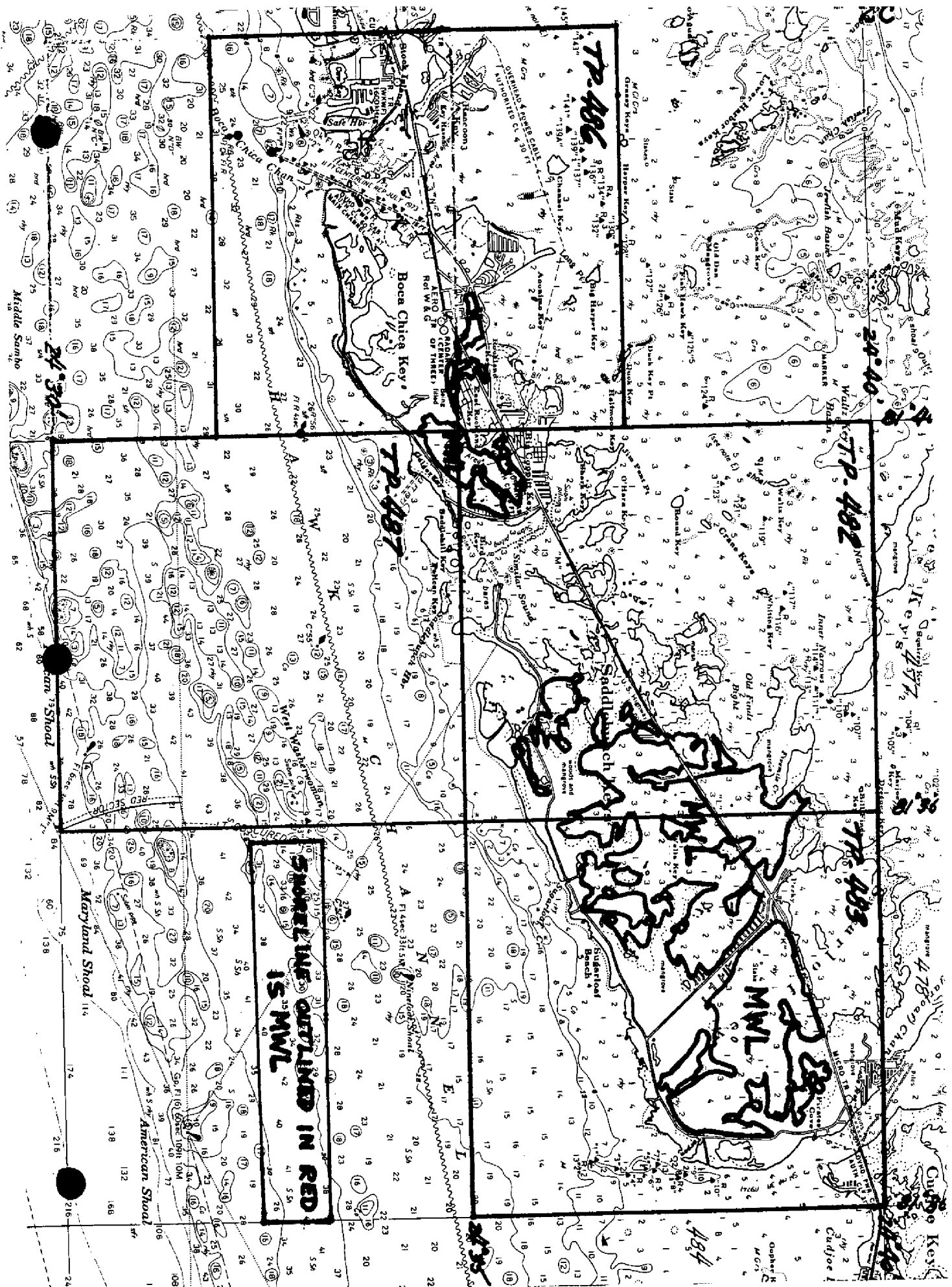
TO: OA/C34 - Walter S. Simmons *WSS*
FROM: OA/C233 - *JRH* James R. Hubbard
SUBJECT: Mean Water Level Datum, Florida Keys

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





SUGARLOAF BEACH IS MVL

HISTORY OF FIELD OPERATIONS

TP-00483

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. Battley ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	5/77
3. VERTICAL CONTROL	RECOVERED BY D. Brant ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY J. Battley	5/77
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY R. R. Wagner IDENTIFIED BY J. Battley	5/77
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY J. Battley	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	74C8441 74C8442 74C8533 74C8540	T 271, Y 271 Y 272, Perkey SW base AZ MK TBM 3 M 70 RESET

3. PHOTO NUMBERS (Clarification of details)

74C8394, 8396, 8441, 8533, 8538, 8540
74CR2458, 2761

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and nonfloating aids were either located or verified by Field Edit

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
74C8540	Tower		

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

7. SUPPLEMENTAL MAPS AND PLANS

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

* Refer to Field Report bound with this report.

Four pages of sextant cuts.

NOAA FORM 76-36D (3-72)			U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	
RECORD OF SURVEY USE			TP-00483	
I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Office - Class III	6/14/76	Special request from Requirements Branch		
Field Edit - Class I	8/10/76	"	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	
		6/28/77		
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>6/28/77</u> 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 ☐ 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'

5

OFFICIAL MILEAGE FOR COST ACCOUNTS

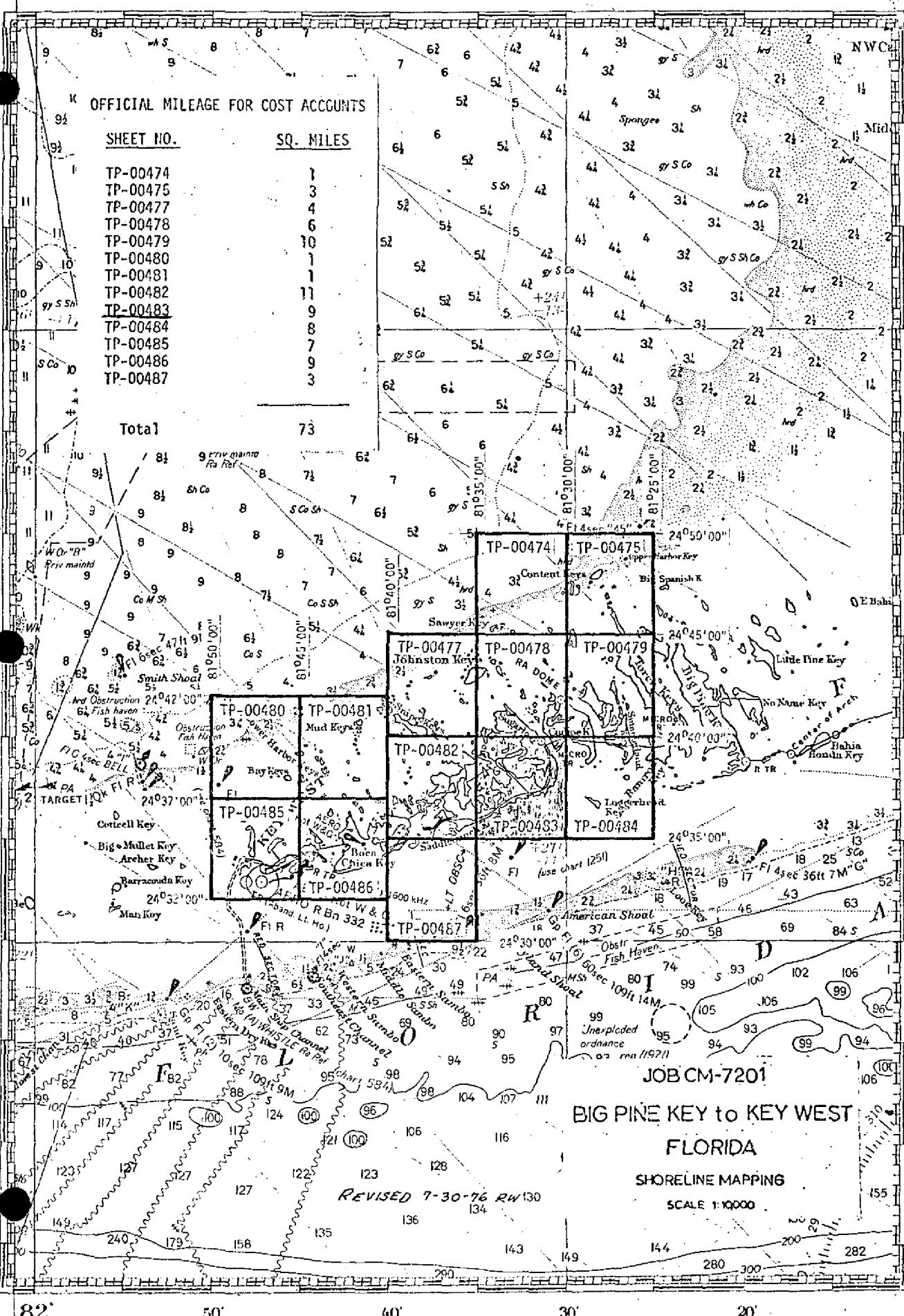
SHEET NO.

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

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

Coastal Zone Map TP-00483 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,

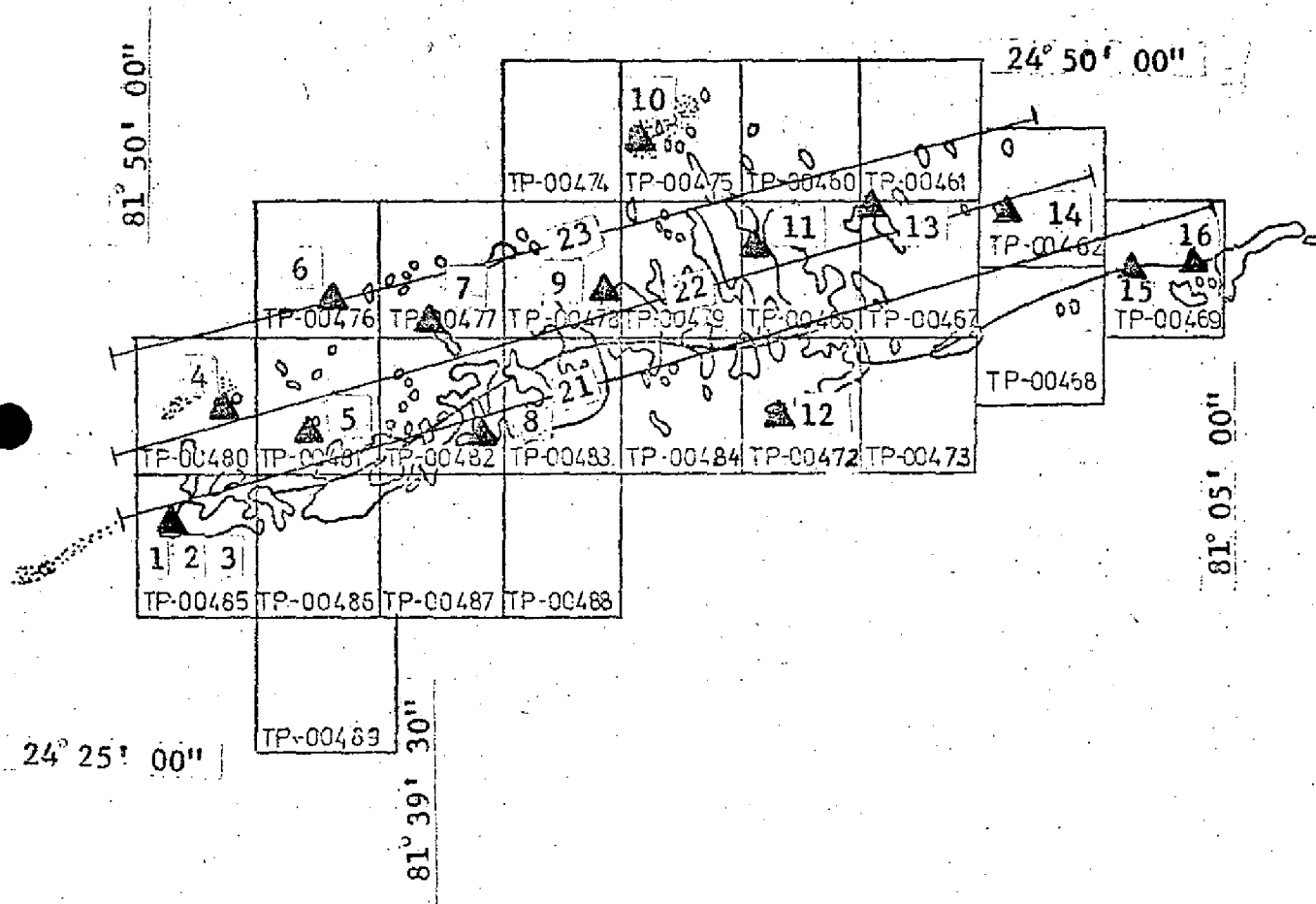
Robert B. Kelly
Robert B. Kelly

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



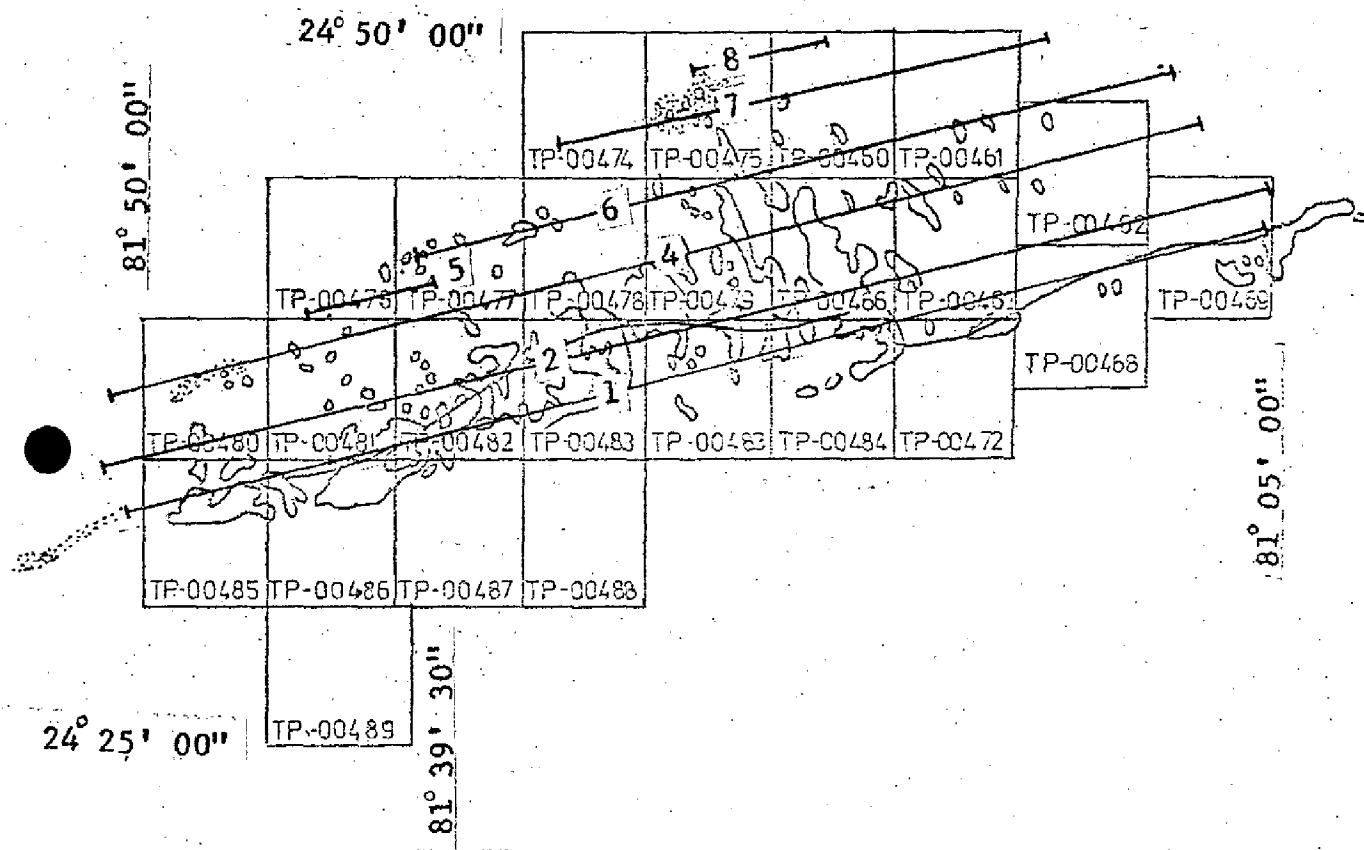
INDEX TO STRIPS OF PHOTOGRAPHS

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)

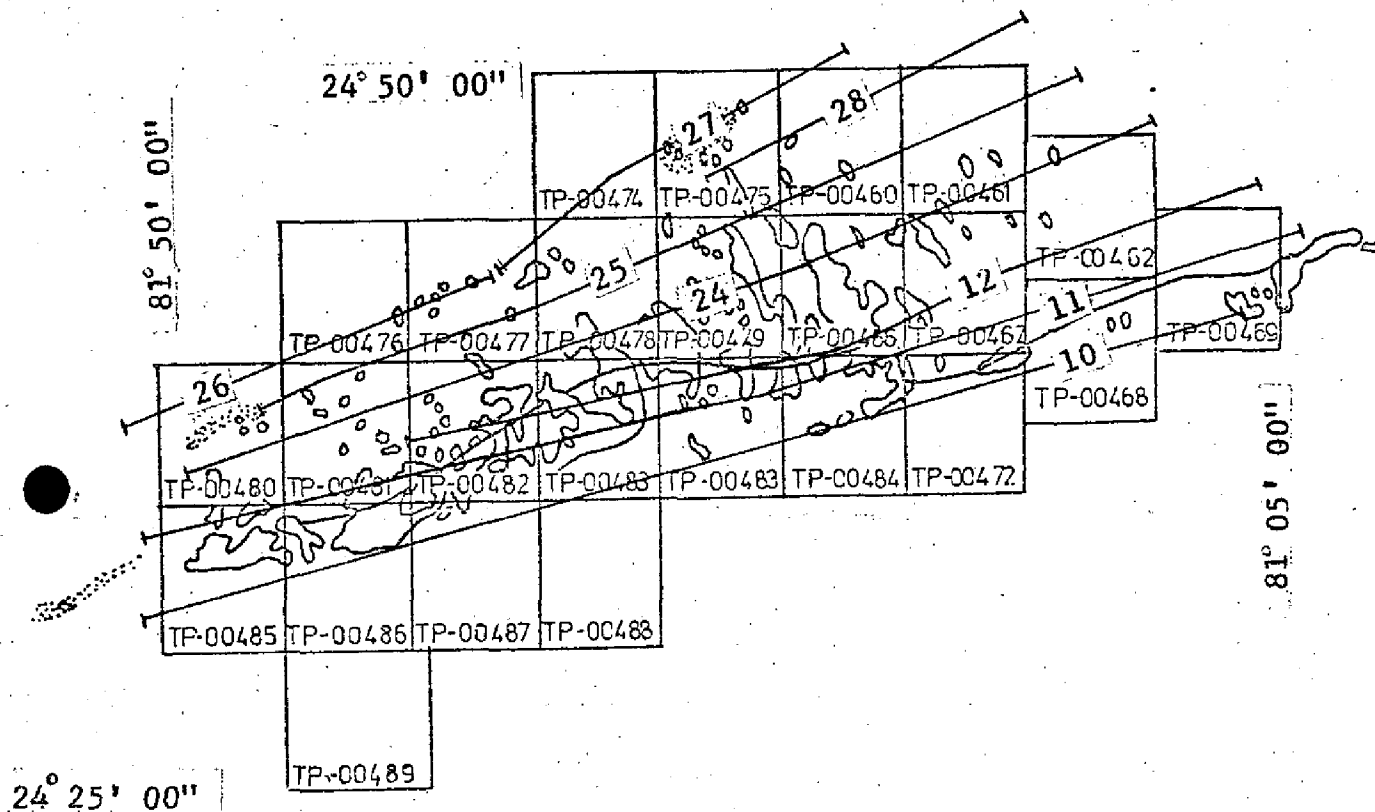
JOB CM-7201
 BOOT KEY TO KEY WEST
 FLORIDA
 SHORELINE MAPPING
 COMPILATION PHOTOGRAPHY



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

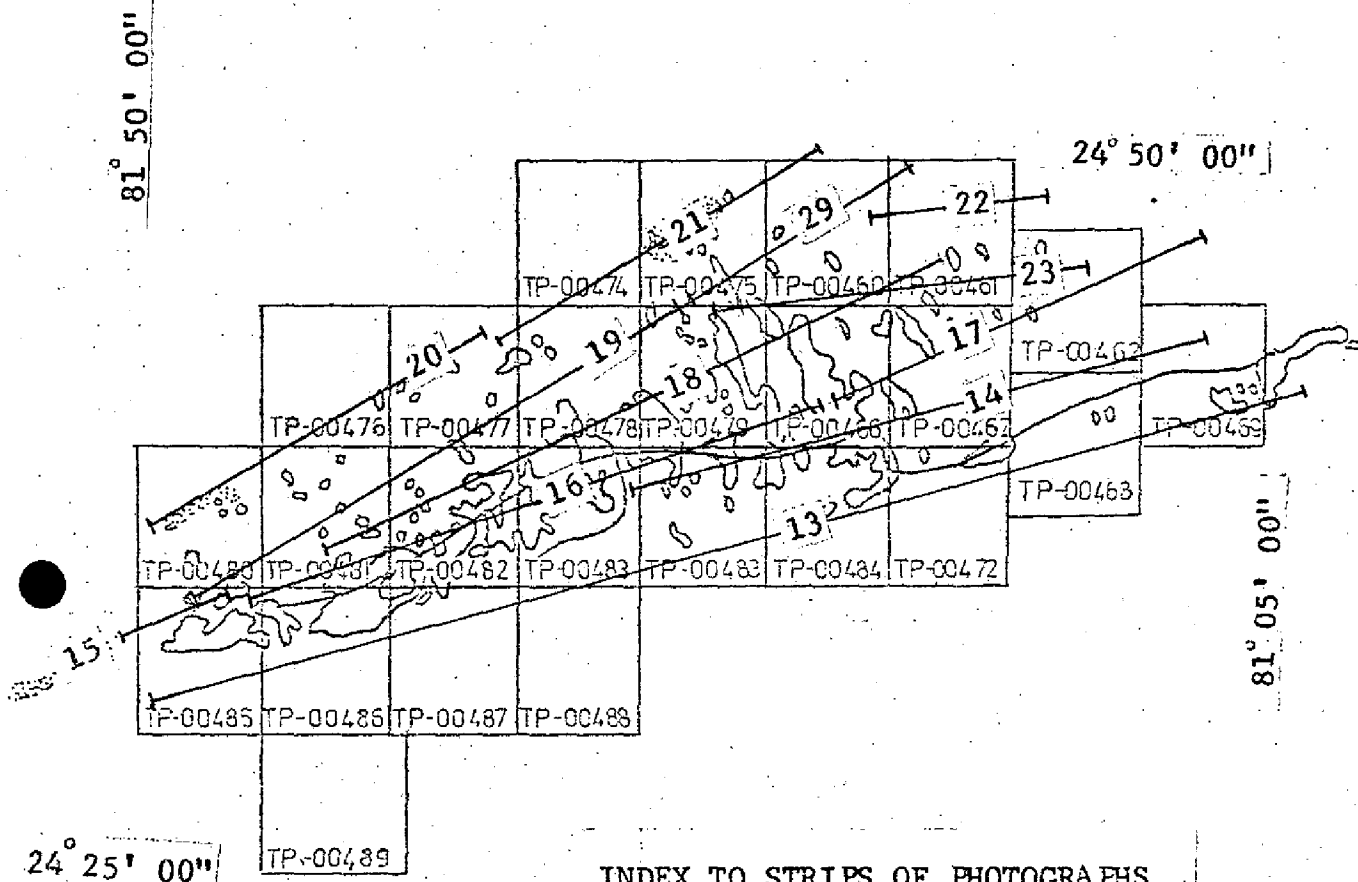
JOB CM-7201
BOOT KEY TO KEY WEST
FLORIDA
SHORELINE MAPPING
MEAN LOW WATER PHOTOGRAPHY



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

FLORIDA-NOAA Coastal Boundary Mapping Program

HORIZONTAL CONTROL TP-00483

Station	NOS Geodetic Data Reference for Descriptions, Positions, Coordinates /and Azimuths
GANDALPHO, 1935 ✓	Book 426, P. 7, 28, 35, 46; XXXXXXXXXXXX PC 81 Fla. E Zone; GP 327 Fla. Vol. 1
GAR, 1934 ✓	Book 426, P. 8, 35; GP 405 Fla. Vol. 1; PC 105 Fla. E Zone
LAKE, 1935 ✓	Book 426, P. 9, 38; GP 436 Fla. Vol. 1; PC 113 Fla. E Zone
PERKY BASE A, 1935 ✓	Book 426, P. 8, 47; GP 327 Fla. Vol. 1; PC 81 Fla. E Zone
SASU, 1934 ✓	Book 426, P. 12, 43, 48; GP 436 Fla. Vol. 1; PC 113 Fla. E Zone
SUGARLOAF 2, 1909 ✓	Book 426, P. 8, 44, 48; GP 405 Fla. Vol. 1; PC 105 Fla. E Zone
SWEET, 1936 ✓	Book 426, P. 8, 28, 44; GP 405 Fla. Vol. 1; PC 105 Fla. E Zone

JFK 6-1-77

COMPILATION REPORT

TP-00483

February 1977

31. Delineation

All features were delineated by graphic compilation. Accurate rectification of the color photography proved difficult due to the extent of water in the area of coverage. Therefore, several tide-coordinated, black-and-white infrared photographs, as well as the color, compilation photography were rectified using map points determined by aerotriangulation. Together the color photography and the black-and-white infrared photography were used for compiling shoals, shallows, channels, interior features, and cultural shoreline 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 and black-and-white infrared 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 - None34. Contours and Drainage

Contours are not applicable. Drainage was compiled from the office interpretation of the ratioed tide-coordinated, black-and-white infrared photography.

35. Shoreline and Alongshore Detail

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

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

All landmarks and aids are to be located by field edit. Refer to Form 76-40.

38. Control for Future Surveys - None39. 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 7 1/2 minute topographic quadrangles:

Saddlebunch Keys, Florida, 1972

Sugarloaf Keys, Florida, 1972

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following nautical charts:

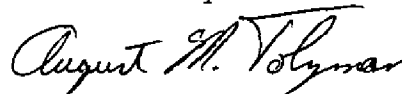
11442 - April 10, 1976 - 1:80,000

11445 - July 24, 1976 - 1:40,000

Items to be Applied to Nautical Charts Immediately: None

Items to be Carried Forward: None

Submitted by:



August M. Tolzman

Approved and Forwarded by:



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

21 April 1976

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7201 (Florida Keys)

TP-483

✓Bow Channel ✓

✓Buttonwood Key ✓

✓Cudjoe Bay ✓

✓Cudjoe Key ✓

✓Dreguez Key ✓

✓Harris Channel ✓

✓Harris Gap Channel ✓

✓Lower Sugarloaf Sound ✓

✓North Harris Channel ✓

✓Park Channel ✓

✓Park Key ✓

✓Perky ✓

✓Pirates Cove

STRAITS OF FLORIDA

✓Sugarloaf Beach ✓

SADDLEBUNCH KEYS

✓Sugarloaf Creek ✓

✓Sugarloaf Key ✓

✓Sugarloaf Shores ✓

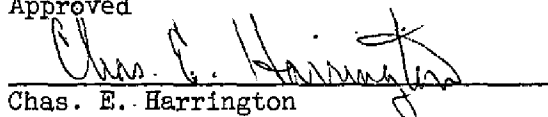
✓Sugarloaf Shores Airport ✓

✓Tarpon Creek ✓

✓Upper Sugarloaf Sound ✓

✓Wells Key ✓

Approved


Chas. E. Harrington

Staff Geographer - C51x2

FIELD EDIT REPORT TP-00483, Job CM-720151. METHODS

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

Seven triangulation stations were recovered.

Seven vertical control stations were recovered and identified or plotted when triangulation stations.

One landmark is recommended for charting and one charted landmark has been removed.

All known aids were located.

Twelve tidal stations fall on this manuscript.

Station	Bench Mark	Photograph
Cudjoe Key, Pirates Cove	tidal M 70 RESET	74C8540
Pirates Cove Fishing Camp, Sugarloaf Key	tidal BM 3	74C8538
Tarpon Creek, Outside	tidal BM 1	74C8443
Tarpon Creek, Sugarloaf Key	Y 272	74C8443
Perkey Lake, Sugarloaf Key	P 70 RESET	74C8443
Sugarloaf Shores East	Y 271	74C8441
Sugarloaf Shores West	tidal BM 4	74C8441
Sugarloaf Beach Inside	tidal BM 1	74C8396
Sugarloaf Shores North	tidal BM 1	74C8441
Perkey, Sugarloaf Sound	PERKEY SW BASE AZ MK	74C8443
Lower Sugarloaf Sound	tidal BM 1	74CR2458
North Harris Channel	tidal BM 3	74C8443

The following tide gages recorded mean water level. Sugarloaf Shore East; Sugarloaf Shores, West; Sugarloaf Beach, Inside; Sugarloaf Shores, North and Lower Sugarloaf Sound.

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

6-1-77

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

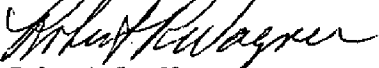
54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 5/24/77



Robert R. Wagner
Chief, Photo Party 66

Review Report

TP-00483

May 1980

61. General

Coastal Zone Map TP-00483 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.

The 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-00483 are in the mean water level datum. A sketch showing these areas of mean water level is bound with this descriptive report.*
** See Page 2B & 2C.*

62. Cartographic Comparison

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

Saddlebunch Keys, Fla., 1972
Sugarloaf Key, Fla., 1972

No significant differences were found.

Comparison was made with the following NOS chart:

11445, Scale 1:40,000, 18th Edition, dated Oct. 13, 1979

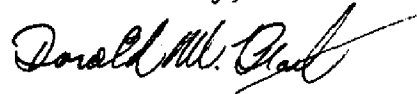
TP-00483 shows extensive areas of mean low water (not shown on chart) between Bow Channel and Cudjoe Key.

63. through 65. Inapplicable

66. Adequacy of Results and Future Surveys

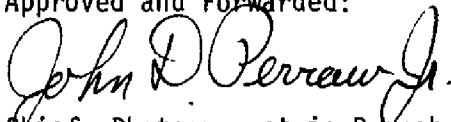
Coastal Zone Map TP-00483 complies with the instruction for NOS Cooperative Boundary Mapping, Job PH-7000 and the National Standards of Map Accuracy.

Submitted by,



Donald M. Brant

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Photogrammetry Division

76-40 LISTING				PHOTOGRAMMETRIC BRANCH COASTAL MAPPING DIVISION				NATIONAL OCEAN SURVEY DEPARTMENT OF COMMERCE USA				NOAA DEPARTMENT OF COMMERCE USA				DATA/AB VERSION 7770818			
SVY TP-00483				* NONFLOATING AIDS FOR CHARTS				* RPT UNIT CMD, ROCKVILLE, MD.				* PAGE 1 OF 4				* ORIGINATING ACTIVITY			
JOB PH-7201				* TO BE CHARTED				* STATE FLORIDA				* DATE 06/28/77				* COMPILATION			
PRJ 833205				* DATE 06/28/77				* LOCALITY SUGARLOAF KEY				* METHOD AND DATE				* CHARTS			
DTM NA 1927				* POSITION				* LATITUDE				* LONGITUDE				* FIELD			
THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS				* DESCRIPTION				* POSITION				* ALIEK* OF LOCATION				* DTTO			
CHARTING* RECORD REASON FOR DELETION				* LATITUDE				* LONGITUDE				* DTTO				* DTTO			
NAME* PUT TRIANGULATION NAMES IN ()				* LONGITUDE				* DTTO				* DTTO				* DTTO			
HAWK CHANNEL				* 24 36 29.62				* 911.3				* F-P-3-8				* 11442			
BOW CHANNEL				* 81 30 42.18				* 1186.5				* 05/18/77				* 11445			
FIRATES COVE DAYBEACON				* 24 36 26.49				* 815.0				* F-P-3-8				* DTTO			
DITTO				* 81 30 40.45				* 1137.9				* 05/18/77				* DTTO			
DITTO				* 24 36 44.88				* 1380.8				* F-P-3-8				* DTTO			
DITTO				* 81 30 34.19				* 961.7				* 05/18/77				* DTTO			
DITTO				* 24 36 51.26				* 1577.1				* F-P-4-8				* DTTO			
DITTO				* 81 30 30.22				* 850.1				* 05/18/77				* DTTO			
DITTO				* 24 37 05.44				* 167.4				* F-P-3-8				* DTTO			
DITTO				* 81 30 33.44				* 940.6				* 05/18/77				* DTTO			
DITTO				* 24 37 11.61				* 357.2				* F-P-3-8				* DTTO			
DITTO				* 81 30 33.89				* 953.3				* 05/18/77				* DTTO			
DITTO				* 24 37 14.26				* 438.7				* F-P-3-8				* DTTO			
DITTO				* 81 30 36.36				* 1022.7				* 05/18/77				* DTTO			
NOT IN PLACE. PIPE FOUND AT				* 00 00 00.00				* 0.0				* V-VIS				* DTTO			
POSITION OF AID.				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
POSITIONS DETERMINED				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
AND/OR VERIFIED BY				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
FIELD AND OFFICE				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
ACTIVITIES				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
TYPE OF ACTION				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
NAMES OF RESPONSIBLE PERSONNEL				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
ORIGINATOR				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
FIELD REPRESENTATIVE				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
OFFICE COMPILER				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
DIGITIZER				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
DATA PROCESSOR				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
ROBERT R. WAGNER				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
AUGUST M. TOLZMAN				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
ALFRED BETHEA				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			
JAMES H. TAYLOR				* 00 00 00.00				* 0.0				* 05/18/77				* DTTO			

26-49 LISTING			PHOTOGRAMMETRIC BRANCH COASTAL MAPPING DIVISION			NATIONAL OCEAN SURVEY DEPARTMENT OF COMMERCE USA			NOAA VERSION 770818		
* SVY	TP-00483	*	* NONFLOATING AIDS FOR CHARTS TO BE CHARTED.	*	* RPT UNIT	CMD, ROCKVILLE, MD.	*	* PAGE	2 OF 4	*	*
* JOB	PH-7201	*		*	* STATE	FLORIDA	*			*	*
* PRJ	833205	*		*	* LOCALITY	SUGARLOAF KEY	*	* ORIGINATING	ACTIVITY*	*	*
* DTN	NA 1927	*		*	* DATE	06/28/77	*	* COMPILATION		*	*
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *											
* CHARTING*	RECORD REASON FOR DELETION	*	* DESCRIPTION	*	* POSITION	CMD *	* METHOD AND DATE	*	* CHARTS	*	*
* NAME *	PUT TRIANGULATION NAMES IN ()	*	* LATITUDE	DM	ALTEK*	OF LOCATION	* FIELD	* AFFECTED*			
			* LONGITUDE	DP	DG129*	OFFICE					
* HAWK CHANNEL *											
* OYBN *	9	*	* 24 37 34.45	1059.9	*	* F-P-3-8	*	* 11442	*	*	*
	PIRATES COVE DAYBEACON	*	* 81 30 27.53	774.3	*	* 05/18/77	*	* 11445	*	*	*
* OYBN *	10	*	* 24 37 54.72	1683.6	*	* F-P-3-8	*	* DITTO	*	*	*
	DITTO	*	* 81 30 22.67	637.6	*	* 05/18/77	*				
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VERSION 770818

2.6-1.91
34-1.91
34-1.91

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

VERSION 770818

[illegible]

ROBERT R. WAGNER
ROBERT R. WAGNER
AUGUST M. TOLZMAN
ALFRED BETHEA
JAMES H. TAYLOR

PHOTO FIELD PARTY
FIELD REPRESENTATIVE
OFFICE COMPILER
DIGITIZER
DATA PROCESSOR

POSITIONS DETERMINED
AND/OR VERIFIED BY
FIELD AND OFFICE
ACTIVITIES

National Archives Data
for
TP-00483

- 1 Discrepancy Print (paper copy)
- 1 Field Edit Sheet (Stable base copy)
- 4 Forms 76-40 (Nonfloating Aids or Landmarks for Charts)
- 1 Form 76-36C (History of Field Edit Operation)
- 4 Pages of cuts

Photography: 74 CR 2761

74 C 8396, 8441, 8443