TP-00472

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-00472

Classification No. Final *Edition No.* 1

LOCALITY

State Florida

General Locality Monroe County

Locality Big Pine Key to Big Munson Island

19 74 TO 19 76

REGISTRY IN ARCHIVES

DATE

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

TP-00472

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- 00472

MAP EDITION NO. (1)

MAP CLASS

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: Analytic	BY	R. Kelly	Oct. 75
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Coradi	PLOTTED BY	J. Taylor	May 76
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J. McClure	May 76
	CHECKED BY	C. Lewis	May 76
	CONTOURS BY	Inapplicable	
METHOD: Graphic-rectified photos	CHECKED BY		
	HYDRO SUPPORT DATA BY	Inapplicable	
SCALE:	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley Jr.	June 76
6. APPLICATION OF FIELD EDIT DATA	BY	J. Keating	Aug. 76
	CHECKED BY	J. Schad	Sept. 76
7. COMPILATION SECTION REVIEW	BY	L Lewis	July 78
8. FINAL REVIEW	BY	D. Brant	Jan 78
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	Jan 78
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Cotter	MAY 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-00472

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC10 C 3.5" 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 — ☒ STANDARD
MERIDIAN: 75th — ☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74C(C)8380,82,84,86	3/16/74	1455	1:30,000	The stage of tide is inapplicable for the color photography.
74C(C)8453,55	3/15/74	1520	1:30,000	
74C2196R,97R,98R, 99R	11/8/74	1344	1:30,000	Refer to form 76-36B(1) for tide information
74C2345R-2348R	11/12/74	0955	1:30,000	
74C2634-36R	11/22/74	0927	1:30,000	
74C2672, 2673R	11/22/74	0955	1:30,000	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00466	TP-00473	No contemporary survey	TP-00484

REMARKS
Final junctions will be made in the Coastal Mapping Section.

* 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 - 00472

LOCATION AND PHOTOGRAPHY	TIDE STATIONS *(In operation at time of photography)*	STAGE OF TIDE	MEAN RANGE
74CR2196, 2197	Big Pine Key, W. Side	-0.08 MHW	0.71'
74CR2673	" " " " "	-0.09 MHW	1.18'
74CR2198, 99	Summerland Key, E. Side	+0.19 MHW	
74CR2634-36	" " " "	+0.10 MLW	
74CR2672	" " " "	+0.07 MLW	

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-00472

I. ☒ FIELD INSPECTION OPERATION* June 1972 ☒ FIELD EDIT OPERATION June 1976

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY	J. D. Di Mare	6/76
	ESTABLISHED BY	Inapplicable	
	PRE-MARKED OR IDENTIFIED BY	Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY	J. D. Di Mare	6/76
	ESTABLISHED BY	Inapplicable	
	~~PRE-MARKED~~ IDENTIFIED BY	R. R. Wagner	6/76
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	Inapplicable	
	LOCATED *(Field Methods)* BY	R. R. Wagner	6/76
	IDENTIFIED BY	Inapplicable	
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

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Refer to Field Report	74C8382	J 70 RESET 1938 M 272 1966
		74C8380	V 272 1966
		Plotted	GIB, 1935; SOTO 1934

3. PHOTO NUMBERS *(Clarification of details)*
74C8380, 8382, 8384
74CR2198, 2635, 2672, 2673

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
There are no landmarks. Non-floating aids were either verified or located by field edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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)*

* The Field Report is bound with this Descriptive Report.
2 pages of sextant cuts.

NOAA FORM 76-36C
(3-72)

* U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-00472

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Office - Class III	5/25/76	Special request from Requirements Branch		
Field Edit - Class I	8/3/76	" "	11/8/76	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

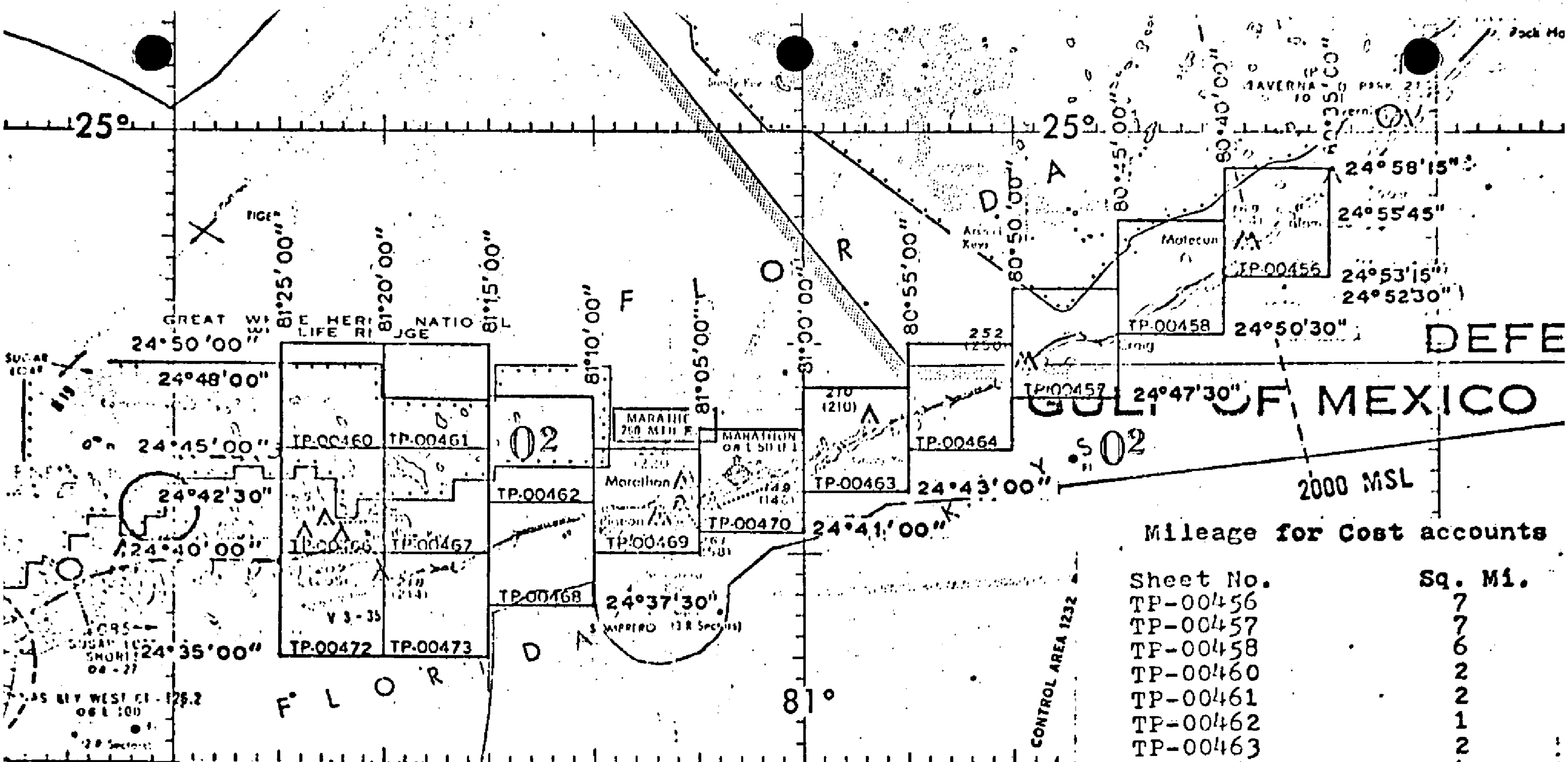
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		2/28/77	One (1) digitized NOAA Form 76-40 submitted
			as final report

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 2/28/77
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)*



JOB PH-7120

PLANTATION KEY to BIG PINE KEY
FLORIDA

SHORELINE MAPPING

SCALE 1:10,000

REVISED 10/3/74
2/24/76

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- 00472 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

FIELD REPORT
JOB PH-7120

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.

[redacted]

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 1250-1300 on 28 July when the LOWER MATECUMBE KEY, FLA. BAY staff read 3.29 - 3.27. North 1/3 MLW Flown at 937-944 on 12 August when the GRASST 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 XXXXXXXX 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 XXXX 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

[redacted]

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

25. Photography

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

Submitted by,

Robert B. Kelly

Approved and Forwarded,

John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

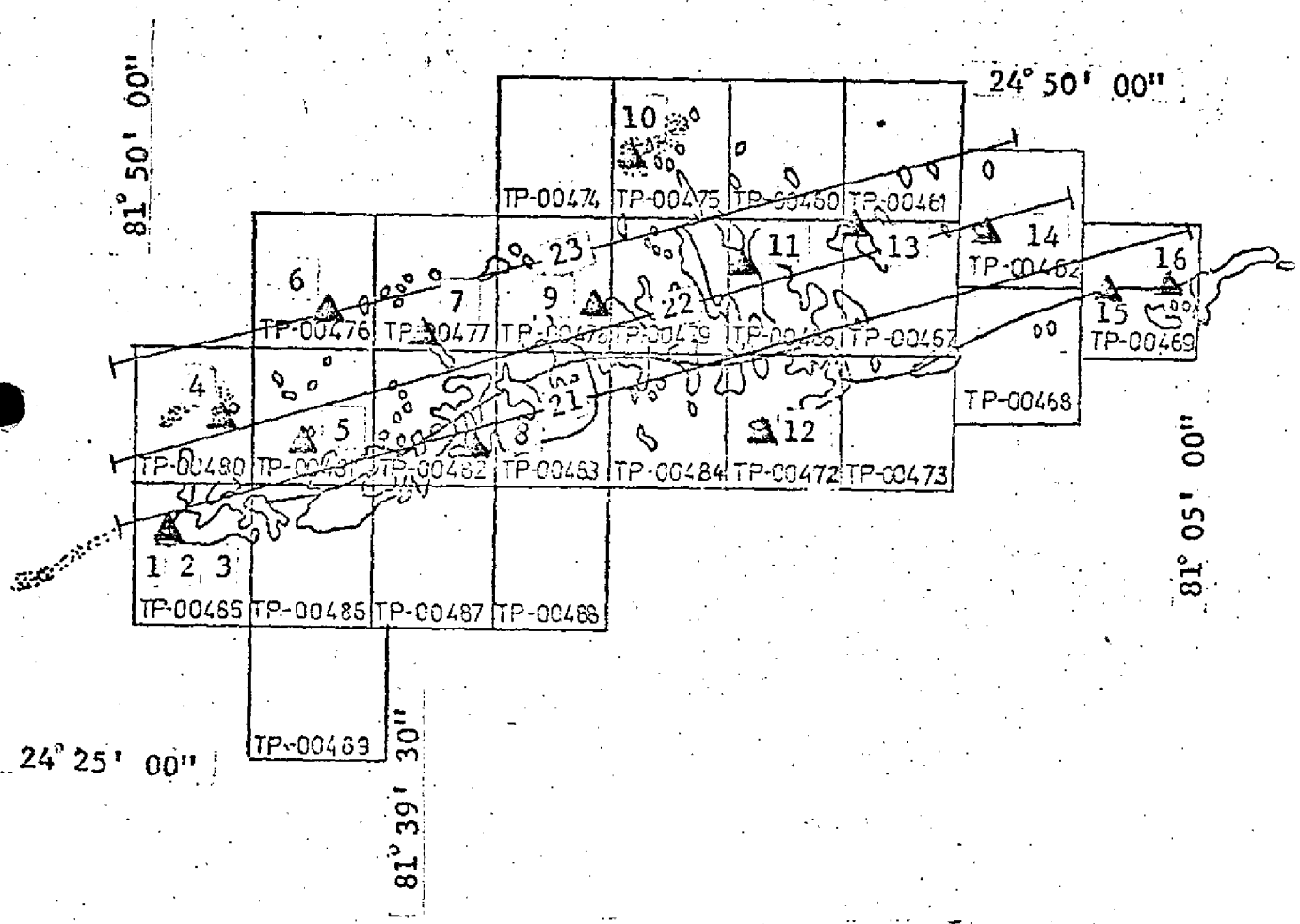
JOB CM-7201

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)

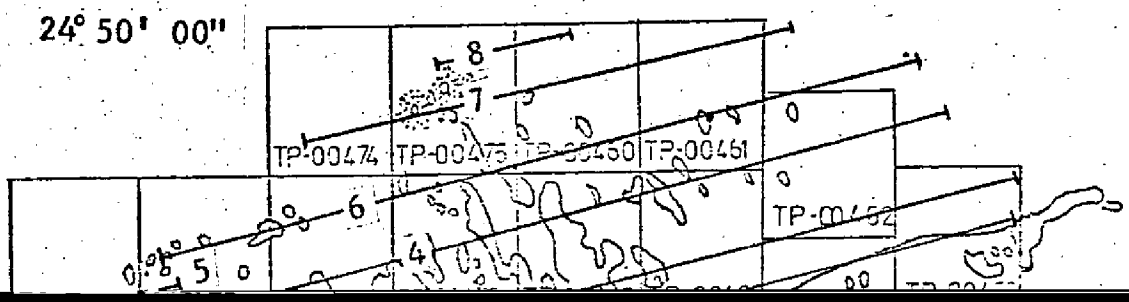
JOB CM-7201

BOOT KEY TO KEY WEST

FLORIDA

SHORELINE MAPPING

COMPILATION PHOTOGRAPHY



JOB CM-7201

BOOT KEY TO KEY WEST

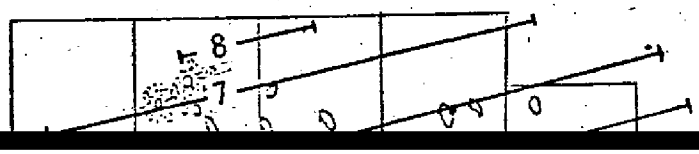
FLORIDA

SHORELINE MAPPING

COMPILATION PHOTOGRAPHY

24° 50' 00"

00"



[redacted]

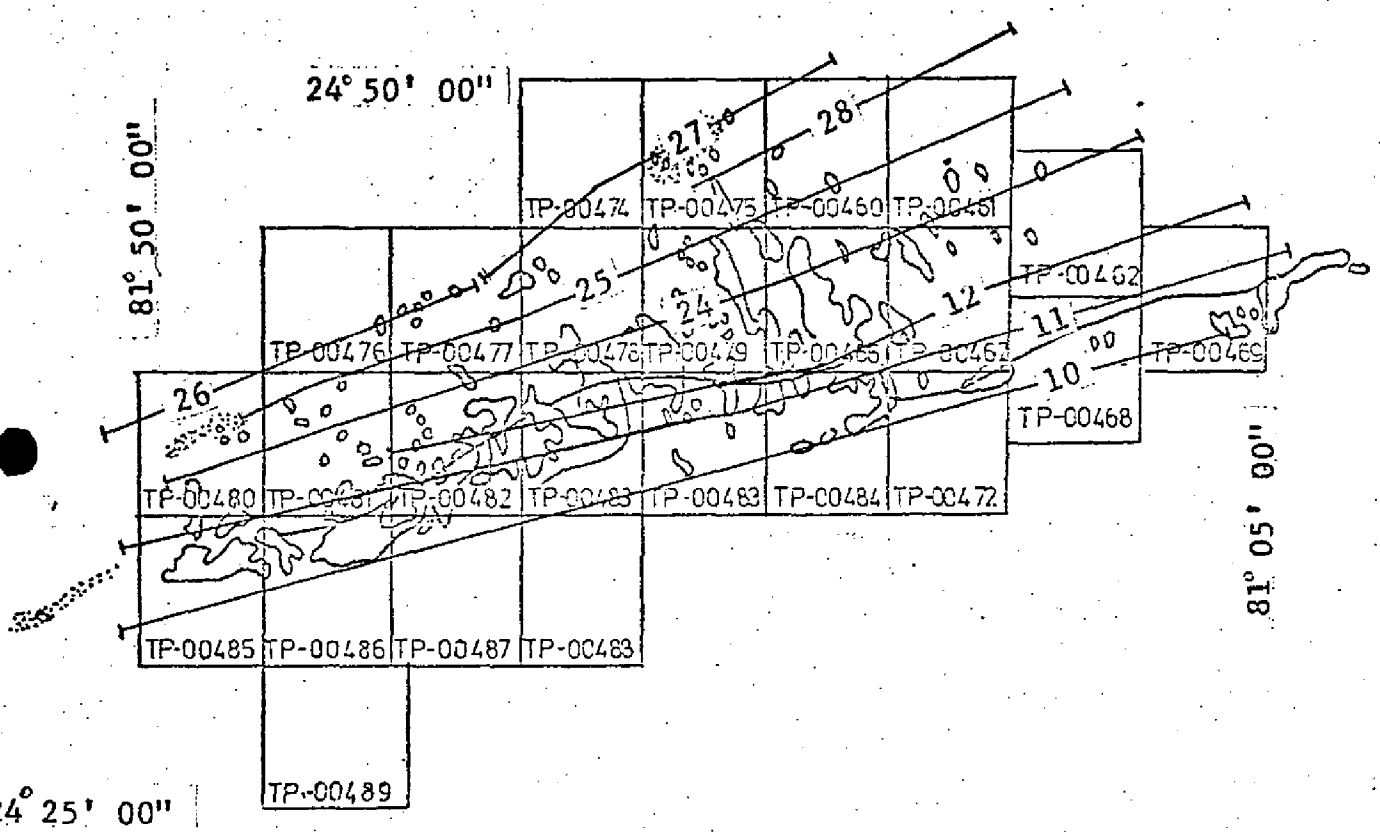
JOB CM-7201

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

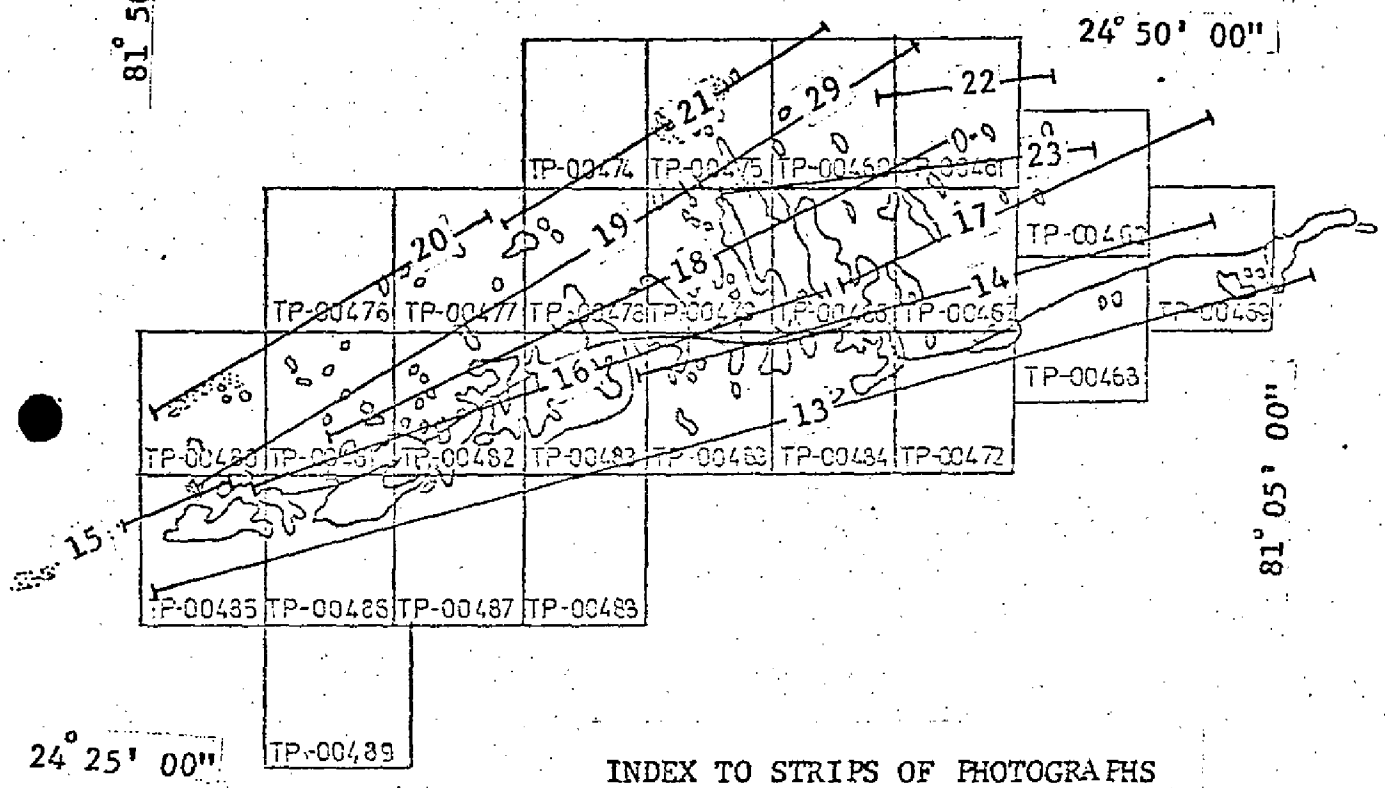
JOB CM-7201

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-00472

Station	NOS Geodetic Data Reference for Descriptions, Positions, Coordinates and Azimuths
GIB, 1935	Book 425, P. 23, 24, 32, 38; GP 421 Fla. Vol. 1; PC P. 108 Fla. E. Zone
GONE, 1935	Book 426, P. 1, 2, 36; GP 444 Fla. Vol. 1; PC P. 115 Fla. E. Zone
MAR, 1934	Book 426, P. 2, 39; GP 444 Fla. Vol. 1; PC P. 115 Fla. E. Zone
NEWFOUND, 1920	Book 426, P. 2, 25, 27, 40; GP 421 Fla. Vol. 1; PC P. 108 Fla. E. Zone
SOTO, 1934	Book 426, P. 3, 43, 48; GP 442 Fla. Vol. 1 PC P. 115 Fla. E. Zone

Compilation Report
TP-00472
June 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, interior features, and cultural shoreline. Color contact prints were used as a guide for clarifying map detail.

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

Photography did not cover the south limit of the manuscript.

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

32. Horizontal Control - Adequate (See Photogrammetric Plot Report)

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from the 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 the shoreline and alongshore detail except as noted in item 31.

36. Offshore Details No unusual problems were encountered.

37. Landmarks and Aids

Refer to form 76-40. All aids and 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 quadrangles;

Big Pine Key, Fla., 1972
Summerland Key, Fla., 1972
Loggerhead Key, Fla., 1972

No significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following nautical charts:

11442 May 31, 1975, 1:80,000
11445 Side A, June 28, 1975, 1:40,000
11448 November 23, 1974, 1:40,000

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-00472, JOB PH 7120

51. METHODS

The shoreline was inspected from a small boat while cruising just off shore. Notes regarding fast and apparent shoreline and other along shore details were made on the rectified photographs and field edit sheet.

Five triangulation stations were recovered.

Five vertical control stations were recovered and identified or plotted.

All known aids were located. Three cuts to Nile Channel Daybns. 5 and 6, which falls on TP-00484, were also taken and plotted.

There are no landmarks.

Eight tide stations fall within this manuscript. Two were not located because they did not have 30 days of record.

Station	Bench Mark	Photograph
Ramrod Key, Southeast	BM No. 1	74C8384
Pine Channel West (South Pine)	BM No. 5	74C8382
Munson Key	BM No. 1	74C8384
Newfound Harbor	BM No. 1	74C8384
Little Torch Key	BM No. 5	74C8382
Big Pine Key, Coupon Bight	BM No. 1	74C8382

The gage site for Pine Channel West was not identified because it was not shown on the sketch for the gage.

Tide stations Pine Channel West and Little Torch Key have the same bench mark.

Tidal bench mark J 70 RESET 1938 for Pine Channel West (South Pine) is in error for elevations of tidal plane. The real value should be about 9 ft. above MLW and not 2.95. This can be verified by using Vertical Control Quad 240811 which has an elevation of 8.993. This station is good for sea level datum 1929 only. The other bench marks for this gage site appears good.

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

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 6/23/76

Robert R. Wagner
Chief, Photo Party 66

[redacted]

PH-7120 (Florida Keys)

TP-00472

Big Munson Island

Big Pine Key

Cook Island

Coupon Bight

Hopkins Island

Little Torch Key

Long Beach

Munson Island

[redacted]

Newfound Harbor Channel

Newfound Harbor Keys

North Pine Channel

Ramrod Key

Southeast Point

South Pine Channel

Spanish Harbor

Straits of Florida

Torch Channel

Torch Ramrod Channel

REVIEW REPORT
TP-00472

April 1978

61. General

The map manuscript for Coastal Zone Map TP-00472 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 - Georgraphic names
Coastal Surveys - Horizontal and Vertical Control

62. Cartographic Comparison

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

Marathon, Florida 1971
Bamboo, Florida 1971

No significant changes were found.

Comparison was made with nautical chart 11445 (formerly C&GS 853) 16th Edition, dated July 16, 1977.

Significant field notes are carried forward on the chart maintenance print.

63. thru 65. Inapplicable.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00472 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

PHOTOGRAMMETRIC BRANCH — NATIONAL OCEAN SURVEY — NOAA — STPL VERSION
COASTAL MAPPING DIVISION — DEPARTMENT OF COMMERCE — USA — /18/75

TP-00472		RPT UNIT CMD ROCKVILLE, MD.	PAGE 1 OF 1
PH-7120	NONFLOATING AIDS FOR CHARTS	STATE FLORIDA	
R	TO BE CHARTED	LOCALITY BIG PINE KEY	ORIGINATING ACTIVITY
NA-1927		DATE 12/09/76	COMPILATION

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

NG	DESCRIPTION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( )	POSITION LATITUDE DM LONGITUDE DP	CODES C-C SEQ	METHOD AND DATE OF LOCATION OFFICE	 FIELD	CHARTS AFFECTED
	HAWK CHANNEL					
	MOSER CHANNEL					
T	NEWFOUND HARBOR CHANNEL	24 37 6.66 204.9	200		P-V-8	11442
2	ENTRANCE LIGHT	81 24 26.02 731.9	3		06/22/76	11445
N	NEWFOUND HARBOR CHANNEL	24 37 46.24 1422.7	219		P-L-3-8	
3		81 23 40.68 1144.2	1		06/22/76	DITTO
N	NILE CHANNEL	24 37 33.74 1038.1	219		P-L-3-8	
4		81 24 52.87 1487.0	2		06/22/76	DITTO

TYPE OF ACTION	NAMES OF RESPONSIBLE PERSONNEL	ORIGINATOR
OSITIONS DETERMINED	ROBERT R. WAGNER	FIELD REPRESENTATIVE
AND/OR VERIFIED BY	JOSEPH W. KEATING	OFFICE COMPILER
FIELD AND OFFICE	MICHEAL W. JOHANIK	DIGITIZER
ACTIVITIES	JAMES H. TAYLOR	DATA PROCESSER

National Archives Data

for

TP-00472

Discrepancy print (Paper copy)

Field Edit sheet (Stable base copy)

1 NOAA Form 76-36C (History of Field Operations)