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-7113 Map No. TP-0043	6
Classification No. Final Edition No	
Field Edited Map	
LOCALITY	
State	
General Locality Dade County	
Locality Petrel Point to Swan Key	
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REGISTRY IN ARCHIVES	
DATE	
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☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-778

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY	тр- <u>00436</u>
	冶 ORIGINAL	MAPEDIT	on no. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLAS	_s Final
	REVISED	JOB	Рн- <u>7113</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDI	TION
Rockville, Maryland	TYPE OF SURVEY	JOB	PH
OFFICER-IN-CHARGE	ORIGINAL RESURVEY	MAP CLAS SURVEY D	ATES:
Commander James Collins	REVISED	19TO I	9
I. INSTRUCTIONS DATED			
1. OFFICE		FIELD	
General Instructions-OFFICE-NOS Coop-	Aerial photograp	•)
erative Coastal, Boundary Mapping, Job	Supplement 1, 1/		
PH-7000, December 9, 1975	Supplement II, 3		
Supplement 1, November 4, 1974	Supplement III,		
Supplement III, October 24, 1974	Field Edit(PH-70	00)Genera	al Instruc-
Note: Office and field edit instruction	s tions for Flori	da Coasta	il Zone
(1975)incorporate applicable prior operationa	Mapping) 1973		
instructions.			
II. DATUMS			
1. HORIZONTAL: 🗔 1927 NORTH AMERICAN	OTHER (Specify)		
─────────────────────────────────────	OTHER (Specify)		
EXI MEAN LOW-WATER			
2. VERTICAL: MEAN LOWER LOW-WATER			
MEAN SEA LEVEL			
3. MAP PROJECTION	4.	GRID(\$)	
	STATE	ZONE	
Transverse Mercator	Florida	East zo	ne
5. SCALE	STATE	ZONE	
1:10,000			
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME		DATE
1. AEROTRIANGULATION BY	V.McNeel		5/74
METHOD: LANDMARKS AND AIDS BY	J.Perrow		5/74
2. CONTROL AND BRIDGE POINTS PLOTTED BY	D. Phillips.		6/74
METHOD: CHECKED BY	Inapplicable		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	Inapplicable		
COMPILATION CHECKED BY			
INSTRUMENT: CONTOURS BY	Inapplicable		
SCALE: CHECKED BY			
4. MANUSCRIPT DELINEATION PLANIMETRY BY	S. Solbeck & G. T	olzman	7/74
CHECKED BY	P. Dempsey		8/74
CONTOURS BY	Inapplicable		
METHOD: Graphic CHECKED BY			
HYDRO SUPPORT DATA BY	Inapplicable		
SCALE: . CHECKED BY			
	D D		8/74
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	I P. Dempsev		
BY	P. Dempsey Rich & Lewis		1 5/75
	Rich & Lewis		5/75 5/75
6. APPLICATION OF FIELD EDIT DATA	Rich & Lewis C. Lewis		5/75
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	Rich & Lewis C. Lewis J.P. Battley		5/75 6/75
6. APPLICATION OF FIELD EDIT DATA CHECKED BY 7. COMPILATION SECTION REVIEW BY	Rich & Lewis C. Lewis		5/75
6. APPLICATION OF FIELD EDIT DATA CHECKED BY 7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW BY	Rich & Lewis C. Lewis J.P. Battley		5/75 6/75

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71L8549R-85521	₹	8	/6/71	1530		1:20,000	Refe	r to	page 5	for
72K6356R-6357I	.	,	/14/72	1345		1:20,000	tide	info	rmatio	n.
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shoreline syml	ooi was	usea.								
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4. CONTEMPORARY	HYDROGRA	PHIC SU	RVEYS (List	only those s	urveys th	at are sources i	for photogra	mmetric	survey info	ormation.)
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			'							
Inapplicable	<u> </u>				<u> </u>				<u> </u>	
5. FINAL JUNCTIONS	<u> </u>	EAST	No conte	.m-	SOUTH	No cont		WEST		
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porary Survey

EAST No contem-

Final junctions were made in the Coastal Mapping Section.

porary Survey

TP-00435

TP-00433

REMARKS

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00436

	1 - 00430		
LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
ATLANTIC OCEAN	-		
71L8549R-8552R	Ocean Reef	-0.05 MLW	2.33'
72K6356R-6357R	Ocean Reef	+0.03 MLW	2.33'
72K6437R-6441R	Ocean Reef	0.00 MHW	2.33'
BISCAYNE BAY	•		
71L8549R-8552R	Turkey Pt.,Biscayne Bay	+0.05 MLW	1.60'
72K6356R	East Arsenicker C.S.	-0.16 MHW	0.91'
72K6356R-6357R	Ragged Keys	+0.33 MLW	1.641
72461270_61280	Fort-Aucoriakon C S	TO 15 MAIN	0.011

10AA FORM 76-36C 3-72)		NATIONAL OCEA	U. S. DEPARTME NIC AND ATMOSPHERIC NATION	
TP-00436	HISTORY OF FIELD	OPERATIONS		
FIELD INSPECTION OPERA	ATION * X FIEL	D EDIT OPERATION	October 1974	
OPE	RATION		NAME	DATE
I. CHIEF OF FIELD PARTY		R.R. Wagner		10/74
	RECOVERED BY	R.R. Wagner		10/74
2. HORIZONTAL CONTROL	ESTABLISHED BY	Williamagiio.		10//
B HOMEON AC CONTC	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED BY	R.R. Wagner		10/74
3. VERTICAL CONTROL	ESTABLISHED BY			
	PRE-MARKED OR IDENTIFIED BY	R.R. Wagner		10/74
RE:	COVERED (Triangulation Stations) BY	111111111111111111111111111111111111111		1
4. LANDMARKS AND	LOCATED (Field Methods) BY	R.R. Wagner	# 1 - # 1 -	11/75
AIDS TO NAVIGATION	IDENTIFIED BY			
	TYPE OF INVESTIGATION	<u> </u>		
5. GEOGRAPHIC NAMES	COMPLETE BY			
INVESTIGATION	SPECIFIC NAMES ONLY			
	X NO INVESTIGATION	1 1 1 1 1 1 2 1		
, PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.R. Wagner	·· ···	10/74_
, BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.		T
I. SOURCE DATA				
. HORIZONTAL CONTROL IDEN	TIFIED	1	NTROL IDENTIFIED	
		All BM's ar	e tidal marks	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DES	
	Field Report	73L2901R 73L2900R 73L2899R	BM1,BM2,BM3,BM BM1, BM9 BM2	
73L2899R thru 2901 R,	ata also for TP-00433, 6 2904		e located by th	eodolite
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	ОВЈЕСТ	NAME
5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AN	D LIMITS: REPO	RT X NON
7. SUPPLEMENTAL MAPS AND P	LANS			
	ch books, etc. PO NOT fist deta submit for TP-00433 and TP-0043 bound with this Descrip		ivision)	

NOAA FOR (3-72)	M 76-36D		N	ATIONAL OCEA	ANIC AN	U. S. DÉPARTME ID ATMOSPHÉRIC	NT OF COMMERCE
TP-0043	6	RECO	RD OF SURVE	Y USE			
I. MANUSC	RIPT COPIES						
	co	MPILATION STAGE	5			DATE MANUSCR	IPT FORWARDED
	ATA COMPILED	DATE	RE	MARKS		MARINE CHARTS	HYDRO SUPPORT
No map	copies furnished	or Nautical	Chart use	prior to	final	review.	
	1						
	ARKS AND AIDS TO NAVIGA						
I REPO	ORTS TO MARINE CHART D		DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	.DATE FORWARDED			REMA	AKS	·
	· · · · · · · · · · · · · · · · · · ·	11/17/75				tted to Ma	rine Chart
			Division a	as final r	eport		
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2. [5 7] F	REPORT TO MARINE CHAR	T DIVISION, COAST	PILOT BRANCH.	DATE FORWA	RDED:	11/17/75	
	REPORT TO AERONAUTICA		, AERONAUTICAL	DATA SECTIO	ON. DA	TE FORWARDED:	
1. 🗹 2. 🗹 3. 📝	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT SOURCE DATA (except for C ACCOUNT FOR EXCEPTION	DUPLICATE IFICATION CARDS;	FORM NO	S 567 SUBMITT	ED BY	FIELD PARTIES.	
4	DATA TO FEDERAL RECO	RDS CENTER. DAT	E FORWARDED:				<u> </u>
IV. SURVE	Y EDITIONS IThis section			p edition is regi			
SECOND	SURVEY NUMBER	JOB NUMBE (2) PH	•	· r	T Rev	YPE OF SURVEY	SURVEY
EDITION	DATE OF PHOTOGRAP				□	MAP CLASS	FINAL
· · · · · · · · · · · · · · · · · · ·	SURVEY NUMBER	JOB NUMBE	R			YPE OF SURVEY	
THIRD	TP	(3) PH		(REVI	SED RE	SURVEY
EDITION	DATE OF PHOTOGRAP	'. '	ELD EDIT	n. (□ π.	MAP CLASS □IV. □V.	FINAL
	SURVEY NUMBER	JOB NUMBE	R			YPE OF SURVEY	
FOURTH	TP	(4) PH] [REV	SED RES	SÚRVÉY
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT		□	MAP CLASS □IV. □V.	DFINAL

SUMMARY for TP-00427 thru TP-00430 TP-00432 thru TP-00436

Coastal Zone Map TP-00436 is one of nine (9), 1:10,000 scale (shoreline type) maps in Job PH-7113. 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. Other maps in Job PH-7113 will be published with an orthophoto interior.

A layout for Job PH-7113 (revised since the aerotriangulation operation) will show the location of individual maps. A copy of this 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 is covered by aerial photography taken in 1971, 1972, and 1973 on color and black-and-white infrared film. The black-and-white infrared film was tide coordinated.

The field operations consisted of the following:

- 1. Premarking of horizontal control for aerotriangulation.
- 2. Establishment of tidal datums.
- 3. Field Edit.

Horizontal control was extended by analytical aerotriangulation method using the STK stereocomparator.

The shoreline and alongshore details were compiled from tide-coordinated, black-and-white infrared photography using a B-8 stereoplotter and/or graphic methods. The rectified



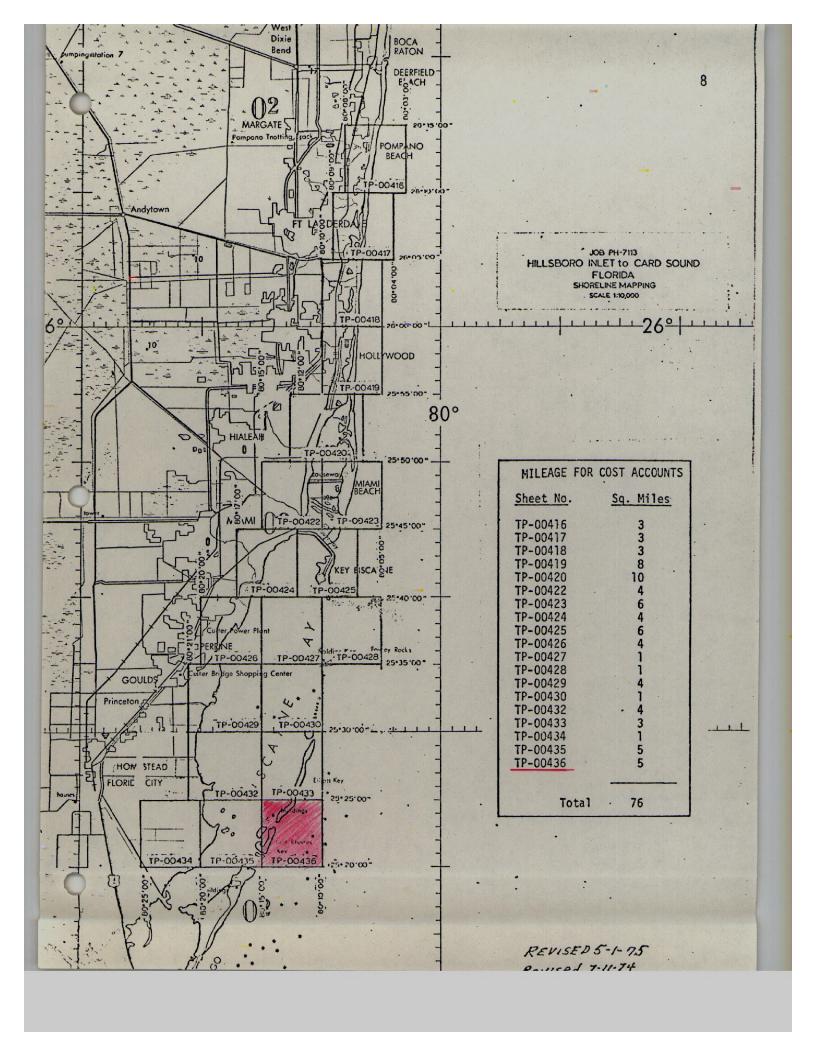
A registration copy of each map is prepared. The registration copy shows additional offshore details such as shoal and shallow lines used by the Marine Chart Division but not required on the Coastal Zone Maps. This copy of the map is labeled "Registration Copy" in the title block.

The following items will be registered in the NOS Archives.

- 1. A stable base copy of the Registration Copy.
- 2. The Descriptive Report.

All negatives are filed in the Reproduction Division.

Field records such as field edit sheets, discrepancy prints, field edit photographs, and other field records are filed in the National Archives.



The combined field report for Jobs PH-7010 and 7113 and the field report for Job PH-7119 are included in this Descriptive Report in order to account for the foreshore profiles. Refer to the review report for explanation.

FIELD REFULT

JOBS PH-7010 and PH-7113

In accordance with Instructions - FIELD - PH-7010, Aerotriangulation Control, and Instructions - FIELD - Job PH-7113; Horizontal Control for Aerotriangulation and Field Support for Aerial Photography; Coastal Foundary Mapping, Florida, the following report is submitted.

1. HORIZONTAL CONTROL

The two jobs are treated as one for report purposes, targets on Job PH-7010 being replaced in approximately the same positions as they were in November 1970.

Twenty-one stations were premarked for 1:30,000 scale color photography. Where feasible, Array No. 1 was used, being a 9-foot triangle with 3 runners or wing panels of 2 x 20 ft. dimensions. Several variations were used as the area is highly developed, particularly in the southern part, and space was not always available. The CSI cards are believed to be adequate to explain the variations but some discussion is in order.

From north to south the first 8 stations are Array No. 1 with varying degrees of angle between the wing panels.

POMPANO 1928 was marked by a triangle painted on the macadam (station is in a parking area) over the station mark. Paint used was Pittsburg flourescent TANGARINE (very close to what we call fire orange) and should show well on the color photographs. (This paint was used on two other stations and we would be interested to know how it turns out.) In addition, a white 9-ft. trianglewas placed on top of a nearby flat-roofed building approximately 10 feet high, which is a substation.

HALLAND 1928 was marked by a painted target substation placed on the light brown sand of a public beach. We used a white plastic target and painted it. No room was available for wing panels at this small beach.

CAPE FLORIDA OLD TOWER FINIAL 1883 was marked by a single white triangle. No room was available for wing panels.

CAUSEWAY 1934 was marked by a painted triangle placed on the west end of a bridge under construction. The bridge is real white and the color should show "like a light".

PAN AMERICAN 1935 was marked by 2 white triangles placed on the lower level of the 3-level, flat-topped building, one on the east side and one on the south. They are approximately 18 to 20 feet above ground. Two triangles were used "to be sure".

BLACK POINT 3 and NARROW POINT are in the water and approximately 50 feet offshore. Triangles were built over the station marks and about 3 feet above estimated mean high-water level. 8-foot squares were used as wing panels believing these would withstand more wind. The Commander of ESSA 88 reported these targets in good condition at time of bridging photography, only one wing panel being damaged.

All targets were taken up after photography except the two in the water. All were found in good condition, although we had to make repairs to a few during the period they were on the ground due to wind damage. Only station CLOISTER was vandalized and it was not bothered after it was replaced. This is rather remarkable considering some of the locations.

USGS quad maps showing approximate locations of targets have been submitted.

We were advised by the Commander of aircraft that Line 30-1, Job PH-7113, was photographed February 24 and the other lines on both Jobs on March 8.

2. TIDE COORDINATED PROTOGRAPHY

stations were manned.

- Lake Worth, Atlantic Ocean
- $\binom{1}{2}$ Andrews Avenue Bridge, Fort Lauderdale
- (3) Bahia Mar Yacht Club, Fort Lauderdale
- (4) Port Everglades
- (5) Biscayne Creek, North Miami
- Biscayne Bay, Miama (6)
- (7) Biscayne Bay, Cutler
- Biscayne Bay, Turkey Point (8)
- (9)Card Sound

Photography obtained was based on the first seven gages. Lines 30-5 and 30-6 would have been based on TURKEY POINT and CARD SOUND. These lines were not photographed. Also, high-water only was obtained

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- (4) An 8 mile segment of line 30-1, based on ANDREWS AVENUE BRIDGE was photographed at 1511 to 1515 hrs., when the staff read 118 ft.
- (5) Line 30-2, based on BISCAYNE BAY, MIAMI, and flown south to north, was photographed at 1259 to 1305 hrs., when the staff read 2.2 feet.
- (6) Line 30-3, based on BISCAYNE BAY, MIAMI and BISCAYNE CREEK, NORTH MIAMI, flown south to north, was photographed at 1319 the 1324 hrs, when the BISCAYNE Bay, Miami staff read 2.1 and the BISCAYNE CREEK staff read 3.1, both ends of the line being with tolerance.
- (7) Line 30-2 was then photographed again, based on BISCAYNE CREEK, NORTH MIAMI, and flown from north to south at 1330 to 1336 hrs when the staff reading was 3.1.

This ended the low-water photography.

High-water photography, March 2.

- (1) Line 30-1, based on LAKE WORTH PIER, was photographed at 1039 to 1055 hrs., when the gage reading was 4.2 feet. However, we were advised that parts of this line were re-photographed at approximately 1144 to 1149 hrs. in the Miami Beach area and at 1242 to 1245 hrs. in the Hollywood area. Tide was within tolerance at all times.
- (2) A segment of line 30-1, based on ANDREWS AVENUE BRIDGE (as well as BAHIA MAR and PORT EVERGLADES) was photographed at 1103 to 1106 hrs. with the camera end overlap setting at 80%.
- (3) Line 30-2, based on BISCAYNE BAY, MIAMI and BISCAYNE CREEK, NORTH MIAMI, was photographed at 1254 to 1300 hrs. when the BISCAYNE BAY, MIAMI reading was 4.6 ft. and the BISCAYNE CREEK staff read 5.6 ft.
- (4) Line 30.3, based on the same stations, was photographed at 1305 to 1311 with the staff readings unchanged from line 30-2.
- (5) Line 30-4, based on BISCAYNE BAY, MIAMI and BISCAYNE BAY, CUTLER, was photographed at 1319 to 1325, when the MIAMI staff read 4.5 and CUTLER read L.8 ft.

This ends the high-water photography.

3. FORESHORE PROFILES

Ten planetable beach profiles were run within the limits of Job PH-7113. They cover a linear distance of approximately 40 miles. The northerly one is at triangulation station POMPANO and the southernmost one is near the Cape Florida lighthouse on Key Biscayne. Mr. Phil Walbolt ran 7 of the 10 during the period of photography basing tide

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FIELD REPORT

JOB PH-7119

This report is on work done in accordance with Instructions-Field-Job PH-7119; Horizontal Control for Aerotriangulation and Field Support for Aerial Photography; Coastal Boundary Mapping, Card Sound to Plantation Key, Florida, dated January 31, 1972. The field work was done during the period 7-23 February 1972.

1. PREMARKING OF CONTROL

Four stations were paneled for 1:30,000 scale photography. The locations are shown on the chart section accompanying this report.

2. AEROTRIANGULATION PHOTOGRAPHY

Flight lines are shown on the chart. Color photography was accomplished on February 19, 1972 between the approximate times of 1045 and 1230 hours. The skies were exceptionally clear for this area and the ground winds was from the north-west at 20-25 knots all morning. These lines were also flown on February 14, but the photography was unacceptable because of a bad film smulsion.

3. TIDE-COORDINATED PHOTOGRAPHY

Locations of the tide staffs are shown on the chart. The job was completed; photography taken on the 12, 14, 15, 16, and 20, of February. Lines 20-2 and 30-3 were also photographed and portions of the other lines were also partially photographed during August 1971.

Recordings entered in the tide volumes, Form 277, were at 5 minute intervals during photography and at 15 minute intervals near photography. An exception to this is the readings for the MANATEE CREEK and BARNES SCUND staff where the tide varies only a few hundredths of a foot per day. Tolerances of ± 0.30 foot for MHW, ± 0.20 foot for MWL, and ± 0.10 foot for MLW were observed. Wet staff readings - crest, mean, and trough - were recorded while photography was in progress. Eastern Standard Time was used.

Line 20-1. MNW Completed at 1050 on February 14 when the RAGGED KEYS staff read 3.38-3.26. MLW Completed at 1500 on February 14 when the staff read 1.80.

Line 20-2. MHW Flown at 1035-1052 on 16 February when the OCEAN REEF staff read 4.75-4.61. This line was also flown at 1006 on February 15, but the pilot recommended it be rescheduled. MLW Flown at 1338-1350 on February 14 when the staff read 2.31-2.32.

Line 30-1. This line is controlled by three staffs, the MANATEE CREEK staff has a MWL datum and the EAST ARSENICKER and CARD SOUND staffs have mean high and mean low datums. MHW The line was flown at 1120-1142 on 14 February. At this time the EAST ARSENICKER staff read 3.95-3.86 and the MANATEE CREEK staff read 3.54-3.57(MWL). The line was flown again at 1445 on 14 February when the CARD SOUND staff read 3.8 and the MANATEE CREEK staff read 3.60. MLW Was flown at .945-1000 on 20 February when the CARD SOUND staff read 3.2 and the EAST ARSENICKER staff read 2.78-2.81.

Line 30-2. MHW It was completed at 1250 on February 14 when the TAVERNIER, FLA. BAY staff read 3.05 (MWL Range), the BARNES SOUND staff read 3.92, the MANATEE CREEK staff read between 3.6 and 3.5, the CARD SOUND staff read 4.0 and the EAST ARSENICKER staff read 3.65. MLW Completed at 0945 on February 20 when the CARD SOUND staff read 3.20 and the EAST Arsenicker staff read 2.77-2.78.

The BARNES SOUND staff read 0.31 foot higher than its 3.61 Mean Water Level. Since the shoreline in this area is overhung with mangrove this section of the line was not rescheduled.

Line 30-3 (ATLANTIC SIDE). MHW Completed at 1107 on February 16 when the TAVERNIER, HAWK CHANNEL staff read 4.62-4.43. MLW Completed at 1412 on February 14 when the staff read 2.30-2.28.

Line 30-3 (Florida Bay Side). MWL The north side was completed on February 12 at 1150 hrs. when the BARNES SOUND staff read 3.78 and the TAVERNIER, FLA. BAY staff read 2.72. The south end was in range at 1412 on February 14 when 30-3(ATLANTIC SIDE) MLW was flown. The south half was also in range at 1107 on February 16 when 30-3 MHW was flown although the staff was not manned at that time.

4. ADDITIONAL PHOTOGRAPHY

Special photography over Florida's test area was flown between 1005 and 1240 on 20 February with various films. The staff at the EAST ARSENICKER gage was observed and its value recorded at 5 minute intervals during this period. The staff at the

mouth of the northern cut (MANCROVE POINT) was observed and its value recorded at 5 minute intervals from 1135 to 1300 hours. The latter staff values are listed in the EAST ARSENICKER Form 277.

5. FORESHORE PROFILES

Four planetable beach profiles were run within the limits of the job during the photography period of August 1971. The few small beaches found for the profiles were of coral, and since erosion is not considered a problem, these profiles were not rerun.

6. MONITORING OF TEMPORARY TIDE STAFFS IN THE JOB AREA

On February 15 verbal instructions were received from the Chief, Tidal Datum Planes: Temporary staffs were to be put in at 11 selected locations and observed every 12, 15, or 30 minutes through one high and one low water. All 11 need not be observed simultaneously and the actual location could be varied slightly. Four were observed on the 16th, two on the 17th, 1 on the 20th, and four on the 21st. The chart accompanying this report shows the exact location of each staff.

7. FIELD RECORDS

All CSI cards, Form 277's and a copy of the records from the 11 tide staffs were sent to C3413 on 13 March 1972. The original field records for the 11 staffs were forwarded to C3311 on 23 February 1972. Profiles and recovery notes were sent to C3413 on 1 March 1972 with the report for work done on this job in August 1971.

Submitted 14 March 1972

John C. Veselenak

Chief, Photo Party 65

John C. Veselenal

Horizontal Control

Map TP - .00436

	map (
Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
RUBI 1930-1947 RESET	*
OLD RHODES 2 1934	Book 424, P.7, 30, G, P, Fla. Vol. 1, P, 381, P.C. Fla. E. Zone P.98
TON STREET 1934	Book 424, P.7, 30, G.P. Fla. Vel. 1, P. 384, P.C. Fla. E. Zene P.99
	* Copy of unadjusted field horizontal control was used.

Compilation Report TP-00436 September 1974

31. Delineation

The tidal datum lines were compiled from office interpretation of the tide-coordinated, black-and-white infrared photography. This photography was controlled by common planimetric detail compiled from the color photography and map points determined by aerotriangulation.

The rectified color infrared photography was used as an aid for interpreting culture features and compiling the channel lines, shoal, shallow lines, and small scattered mangrove islets.

The rectified color photography was also used for the compilation of the interior details.

32. Korizontal Control

Refer to the Photogrammetric Plot Report which is part of this Descriptive Report.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from a stereoscopic examination of the rectified color photography.

35. Shoreline and Alongshore Detail

The black-and-white tide-coordinated infrared photography was adequate for the delineation of the MHWL and MLWL along the Atlantic Ocean and the interior waters.

Where the MHWL was obscured by vegetation, such as mangrove, the outer limits of vegetation was delineated and symbolized with the apparent shoreline symbol.

Verification by field edit is recommended.

36. Offshore Details

Verification of the MLWL to the north and east of Totten Key is requested because of doubtful interpretation of the black-and-white tide-coordinated infrared photography.

37. Landmarks and non-floating Aids

There are no charted landmarks on this man. Non-floating aids to navigation will be located or verified during field edit.

- 38. Control for Future Surveys None
- 39. Junctions

Refer to Form 76-36B(Data Record).

40. Horizontal Accuracy

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

- 41. thru 45. Inapplicable
- 46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangles:

Elliott Key, Fla., 1:24,000 scale, dated 1969 Pacific Reef, Fla., 1:24,000 scale, dated 1956

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11463, 1:40,000 scale 141 SC

No significant changes were noted.

Approved and Forwarded:

J. P. Battley, Jr.

' Chief, Coastal Mapping Section

Field Edit Report, Map TP-00436, Job PH 7113

51. METHODS

The shorelines of the Atlantic Ocean, Biscayne Bay and the smaller bodies of water were inspected from a small boat while cruising just offshore. Notes regarding apparent and fast shoreline, piers and other shoreline features were made on the rectified, HW photographs and the discrepancy print.

The MHWL was inked inside of the apprent shoreline in areas where it sould be positively identified on the photographs. It is recommended that only the MHWL that is inked be used and not to extend the MHWL caven if it appears to follow a photographic image.

There are no landmarks on this manuscript except for a number of small buildings along the shoreline.

Seven tide gages and one bench mark for each gage were identified on the rectified photographs. A number of the gages have only one bench mark with the gage close to it which may require the displacement of the gage symbol in compilation.

Three triangulation stations were recovered. One of these is TON STAMPED ED 1934 is recommended to be shown on the manuscript.

Seven aids were located for this manuscript. Some are new fixed aids and do not appear in the Light List. The only name used is daybeacon or light.

Field edit notes will be found on the Discrepancy Print, Field Edit sheet and the photographs.

52. ADEQUACY of COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

51. RECOMMENDATION

None.

55. EXAMINATION of PROOF COPY

Not required

Mobert H. Wagner

Chief, Photo Party 60

Remarks: Application of Field Edit for TP-00436

The following tide gages were deleted because they were not in operation for at least 30 days at the time of photography.

Old Rhodes Key North Tide Gage Old Rhodes Key South Tide Gage Old Rhodes Key No.3 Tide Gage Rubicon Key Tide Gage

This accounts for the seven tide gages the field editor identified as stated in the Field Edit Report.

Review Report Coastal Zone Map TP-00436 April 1976

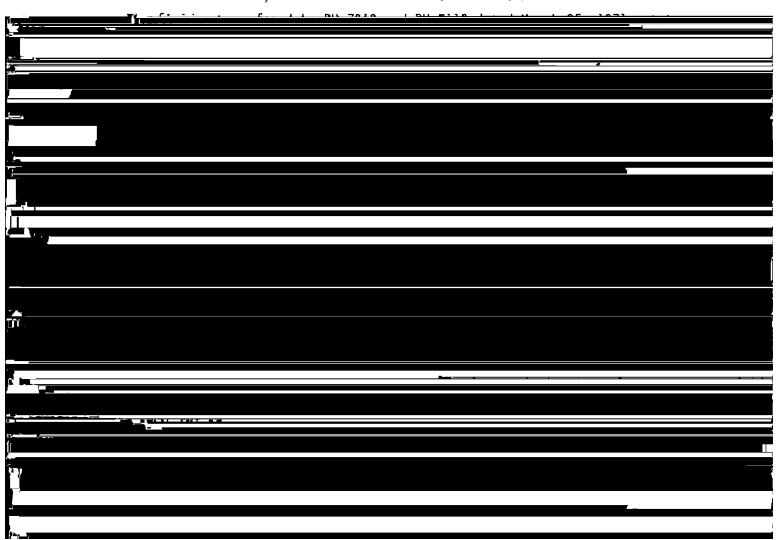
61. General

The map manuscript for Coastal Zone Map TP-00436 was inspected in its Class III stage prior to field edit. This inspection comprised of an examination of the manuscript, photography, discrepancy print, and Descriptive Report (partial).

The review for Coastal Zone Map TP-00436 consisted of an examination of the Class I manuscript, the field edit and its application, the reproduction negatives, and the Descriptive Report.

The proof copy of the Coastal Zone Map TP-00436 was examined and edited by the Quality Control Group before making final copies. 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



- · 63. thru 65. Inapplicable
 - 66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00436 complies with the instructions for NOS Cooperative Boundary Mapping, Job PH-7000, and the National Standards of Map Accuracy.

Jubili Cled by,

Donald M. Brant

Approved and forwarded:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

GEOGRAPHIC NAMES FINAL NAME SHEET

PH-7113 (Hillsboro Inlet to Card Sound, Fla.)

TP-00436

Adams Key
Atlantic Ocean
Biscayne Bay
Biscayne National Monument
Caesar Creek
Caesar Creek Bank
Caesar Rock
Christmas Point
Elliott Key
Hurricane Creek
John Pennekamp Coral Reef State Park
Jones Lagoon
Jones Point
Little Totten Key

Old Rhodes Channel
Old Rhodes Key
Old Rhodes Point
Petrel Point
Porgy Key
Reid Key
Rubicon Keys
Swan Key
Totten Key

Approved by:

Meigs Key

Old Rhodes Bank

Charles E. Harrington Staff Geographer

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	P. Dempsey	PO	OFFICE ACTIVITY REPRESENTATIVE	
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TP-00436 National Archives Data

- 2 Discrepancy Prints
- 1 Field edit sheet (stable base copy) -
- 1 [Sketchbook

Photography:

73L(C) 2899R, 2900R, 2901, and 2904 72K6438R, 6440R, 6441R, 6442R