7P-00016

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline	,
Job No. PH-6912	
Classification No.	Edition No
Field Edited Map	
LOCALIT	Υ
State Florida	,
General Locality Estero Ba	3 y
Locality Carlos Pass.	
19 69 TO	19 70
REGISTRY IN AF	CHIVES
DATE	

♦ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION



NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERC (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMI	E TYPE OF SURVEY	SURVEY 1	p_00016
NATIONAL OCEANIC AND ATMOSPHERIC ADMI	N. M. ORIGINAL	MAPEDITIO	3
DESCRIPTIVE REPORT - DATA RECORD	☐ RESURVEY		FINAL(F.E.)
	REVISED	JOB P	_{'H6912}
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDI	NG MAP EDIT	ION
Coastal Mapping Division - Norfolk	TYPE OF SURVEY	JOB P	H
OFFICER-IN-CHARGE	RESURVEY	SURVEY DA	
Jeffrey G. Carlen, CDR	REVISED	19TQ 19	
I. INSTRUCTIONS DATED	<u> </u>		
I. OFFICE	2.	FIELD	
June 13, 1969	April 28, 1969		·
June 24, 1969	March 11, 1970	1	
Å 0 1060			•
Aug. 8, 1969 Sept. 8, 1969			
Oct. 21, 1969		,	
	· [
II. DATUMS	· 		
I. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specify)		
I. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Care (for)	 _	
X MEAN HIGH-WATER	OTHER (Specify)		
2. VERTICAL: X MEAN LOW-WATER MEAN LOWER LOW-WATER			
MEAN SEA LEVEL			
3. MAP PROJECTION	4. 0	GRID(S)	
Polyconic	Florida	ZONE West	
5. SCALE 1:10,000	STATE	ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME		DATE
I. AEROTRIANGULATION B	Robert Kelly		Aug. 1969
METHOD: Analytic LANDMARKS AND AIDS B	′		.
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: COPACOMAT CHECKED BY			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY B	A Chanda S I M	eterer	Dec. 1970
COMPILATION CHECKED B	T Mataras C A		D ec. 1970
INSTRUMENT: Wild B-8 CONTOURS B			
SCALE: 1:20,000 CHECKED B			7.1. 2.070
4. MANUSCRIPT DELINEATION PLANIMETRY B	01 7 7 7 1		Feb. 1970 Feb. 1970
CHECKED B	37.0		160, 1970
метнор: Smooth ink drafting снескерв	, NA		
scale: 1:10,000 HYDRO SUPPORT DATA B			Feb. 1970
CHECKED 8	*		Feb. 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT B	A C1 1		Feb. 1970 Oct. 1970
6. APPLICATION OF FIELD EDIT DATA CHECKED B			556. 1576
7. COMPILATION SECTION REVIEW BY	C. Bishop		Feb. 1970
8. FINAL REVIEW B	B. Barnes		J uly, 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH B: 11. MAP REGISTERED - COASTAL SURVEY SECTION B:	··· · ····		4/2//20
NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERI			9/24/25

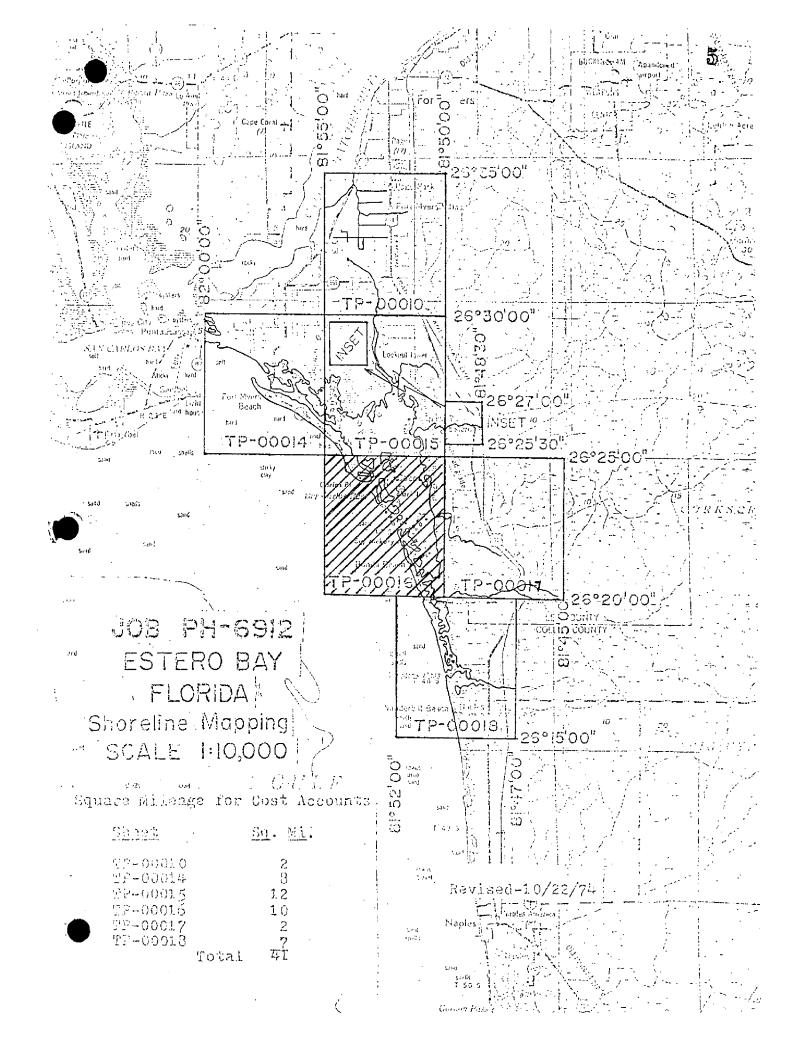


TP-00016

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REMARKS			-							
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NDAA FORM 76-36C (3-72)	NATIONAL OCEANIC A	ND ATMOSPHER	
TP-00016 HISTORY OF FIELD	OPERATIONS	NATIO	NAL OCEAN SURVE
I. FIELD INSPECTION OPERATION X FIEL	D EDIT OPERATION	· · · · · · · · · · · · · · · · · · ·	
OPERATION	NAME		DATE
1. CHIEF OF FIELD PARTY	Joseph K. Wilso	n	Sept. 1970
RECOVERED BY	Richard E. Kess		Sept. 1970
2. HORIZONTAL CONTROL ESTABLISHED BY	NA		*******
PRE-MARKED OR IDENTIFIED BY	NA		
RECOVERED BY	NA		
3. VERTICAL CONTROL ESTABLISHED BY	NA		
PRE-MARKED OR IDENTIFIED BY	NA		
RECOVERED (Triangulation Stations) BY	NA		
4. LANDMARKS AND AIDS TO NAVIGATION LOCATED (Field Methods) BY	NA		
IDENTIFIED BY	NA		
TYPE OF INVESTIGATION			
5. GEOGRAPHIC NAMES COMPLETE INVESTIGATION SECURIC NAMES ONLY	NT A		
	NA.		
NO INVESTIGATION	Richard E. Kess	alwing	Sept. 1970
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	NA NA	erring	3epc, 1970
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	I NA		
1. HORIZONTAL CONTROL IDENTIFIED	2. VERTICAL CONTROL	IDENTIFIED	
NA	NA.		
PHOTO NUMBER STATION NAME	PHOTO NUMBER	STATION DE	ESIGNATION
3. PHOTO NUMBERS (Clarification of details)			
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69L(c)-9245 thru 9252 69L(c)-9346 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED	thru 9550	·	<u> </u>
PHOTO NUMBER OBJECT NAME	PHOTO NUMBER	OBJEC-	TNAME
5. GEOGRAPHIC NAMES: REPORT X NONE	6. BOUNDARY AND LIM	ITS: REP	ORT X NONE
7. SUPPLEMENTAL MAPS AND PLANS Film ozalid contain			
maintained channel markers and piling,		-	•
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submi			
l Field edit ozalid (paper) l Sketch	1 Form 75		
1 Form 152		dit report	
6 Forms 6135	2 Forms 5		
1 Form 738	6 Sheets	Form 251	

NOAA FOF (3-72)	RM 76-36D		NA.	TIONAL OCE			NT OF COMMERCE
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RECORD OF SURVEY USE							
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Field e	edit applied	Sept. 1971	Class I N		ipt		ĺ
Compile	ation complete	'	Supersede	ed			
							
Final I	Review	July 19 7 5			Sept	1975	
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2. 🗀	CONTROL STATION IDENT						
3. 🗌	SOURCE DATA (except for		port) AS LISTED IN	SECTION II	, NOAA FORM 7	6-36C.	
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DESCRIPTIVE REPORT TP-00016

This 1:10,000 scale shoreline manuscript is one of six maps which comprise Project 6912, Estero Bay, FL. The job diagram shows its location in the project.

The field work done prior to compilation consisted of premarking horizontal control that was required for bridging.

Bridging was done in the Rockville office by analytical methods in Aug. 1969 using 1:40,000 scale color photography dated June, 1969.

Compilation was done at the Atlantic Marine Center in Jan. 1970 using the Wild B-8 Plotter with 1:40,000 scale color photography dated June, 1969.

Field edit was done in Sept., 1970. Much of the field edit was considered superfluous and was not applied by the compilation section. The final reviewer applied many items of field edit that had been omitted. A triangulation station (BOOB 2, 1955) recovered by the field editor was plotted on the manuscript as were two topographic stations (NEWP, 1970 and BRID, 1970) that were established by the field edit party. Most of the mean high water line along the seaward side of the islands and the inlets were changed in final review by using the field editor's mean high water line measurements made in Sept., 1970 and the Aug. 1970 infrared photography.

Final review was done at the Atlantic Marine Center in July, 1975.

The original manuscript was a stabilene sheet 5 minutes in latitude and 5 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

2

FIELD INSPECTION

TP-00016

There was no field inspection prior to compilation.

Photogrammetric Plot Report

Estero Bay, Florida

Job PH-6912

August, 1969

21. Area Covered

This report covers T-sheets TP-00010, TP-00014 through TP-00018 of Estero Bay, Florida.

22. Method

Two bridges were run to provide horizontal control for graphic compilation. The C-8 and C-5 were used for instrumentation. Photographs 69-L(C)-9478 through 9487 and 9493; through 9503 were used in the bridging. In the adjustment of Strip 1 on the IBM 1620, 5 field identified control stations and 12 vertical control points were used. Strip 2 adjustment on the IBM 1620 used 4 field identified control stations and 12 vertical control points.

23. Adequacy of Control

The horizontal control provided, complied with the instructions and was adequate except for Estero Bay North Base. It is believed that Estero Bay North Base was misread in Strip 1 since it held in Strip 2.

All other control held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 scale.

24. Supplemental Data

None

25. Photography

Photography was adequate as to coverage overlay and definition. The 1:20,000 scale color and infrared photography were ratioed for compilation.

Submitted by, Robert B. Kelly

Approved by

Henry P. Eichert

Chief, Aerotriangulation Across Section

Sail of the distance

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NOAA FORM 76-41 (6-75)					U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	ЛТY
TP-00016	PH-6912		N.A. 1927	FINAL REVIEW	W
STATION NAME	SOURCE OF	AEROTRI- ANGULATION	coordinates in Feet State Florida	GEOGRAPHIC POSITION	REMARKS
		POINT	zone West		
	P.C. Pg.		X= 533,958.48	\$ 26° 24' 24.448"	
BOOB 2, 1955	Pg. 977		y≠ 733,526.17	λ 81 ⁰ 53' 46.507"	
	1970		x= 545,439.63	€	Topo
NEWP, 1970	Form 524		y≈ 742,936.80	γ	graphic sta. less than 3rd order.
	1970		x= 542,494.75	ф	٬ سا
BRID, 1970	Form 524		y= 750,861.98	۲	
			χ=	φ	
			<i>h</i> =	γ	
			χ=	ф	
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			y=	7	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY		DATE	LISTING CHECKED BY B. BAI	Barnes	рате July, 1975
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY BARNES	nes	DATE July, 1975
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	CH IS OBSOLETE.	

COMPILATION REPORT

TP-00016

31. DELINEATION

The Wild B-8 plotter was used to drop common points from the color 1:40,000 scale photography to the 1:20,000 scale color and infrared photography to supplement compilation from the instrument.

There was no field inspection prior to compilation.

The color photos of the outer flight are the only photos covering this map which have fiducial marks. The centers of the other color photos and of all of the infrared photos are therefore, very approximate and are shown on the photos and on the map with broken circles. They were used where necessary for cutting in many of the inlets and piles in the bay which were not located by the B-8. Since good intersections were obtained in all cases, it is believed by the compiler that these photographs were suitable as necessary for compiling. There is doubt, however, that the compilation is within the usual standards of accuracy.

32. CONTROL

See "Photogrammetric Plot Report", dated August, 1969.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours - inapplicable.

Drainage was delineated from office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of the photos.

Almost no low water line was compiled. Perhaps much of the shallow lines are actually low water lines.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions were made with TP-00016 to the north, TP-00017 to the east and TP-00018 to the south. The Gulf of Mexico is along the west limit.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. FIELD EDIT

Field edit was adequate. All questions asked were answered satisfactorily. Most items were lettered on the edit ozalid and crossed referenced to the appropriate photograph. Measurements were given to the MHWL from photo-identifiable points. There are no landmarks or aids to navigation within the limits of this manuscript. Numerous Thanges were recommended in configuration of the shoreline in mangrove areas. Some of these were judged not to be significant enough to warrant a change.

42 - 45.

No additional items.

46. COMPARISON WITH EXISTING MAPS

A favorable comparison was made with U.S.G.S. Quadrangles BONITA SPRINGS, ESTERO and FORT MYERS BEACH, each dated 1958 and at a scale of 1:24,000.

There is now a highway with bridges connecting Carlos Point and Bonita Beach.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 856-SC, scale 1:40,000, seventh edition dated October 1969.

The highway and bridges, not on the above quadrangles, are on this chart, but in a different location across Big Hickory Pass. The position on the manuscript is about 600 yards inland (southeast) from that on the chart.

There has been much shifting of the sand bars and shoals since the chart was compiled.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

Wort C. Rauch) For Bernice Wilson B. Wilson Cartographic Tech., Feb. 9, 1970

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

albert C. Rauck J.

21 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6912 (Estero Bay, Florida)

TP-00016

Big Carlos Pass

Big Hickory Bay

Big Hickory Island

Big Hickory Pass

Black Island

Benita Beach

Broadway Channel

Carols Point

Charlie Key

Coconut

Coon Key

Davis Key

Estero Bay

Estero Bay Shores

Fish Trap Bay

Goombs Point

Gulf of Mexico

Approved by

Chas. E. Harrington

Staff Geographer-C51x2

Hogue Channel

Imperial River

Little Carles Pass

Little Davis Key

Little Hickory Island

Long Key

Levers Key

Menkey Joe Key

New Pass

Ostege Bay

Spring Creek

Spring Creek Channel

JOB PH-6912 ESTERO BAY, FLORIDA

T-Sheets: TP-000009, TP-00010, TP-00014 thru TP-00018

h9- NOTES FOR THE HYDROGRAPHER AND FIELD EDITOR.

This special note is called to your attention. It concerns the absence of fiducial marks at the sides and corners of the infrared and color ratios submitted for your use.

The following ratios do not have fiducial marks, therefore their centers are shown by a double dashed circle. These ratios shall not be used to radially intersect positions of hydrographic signals. Pass points along the shoreline have been spaced closer than usual in order that you may by direct careful pricking, locate signals if required.

COLOR

INFRARED

69L(c)-9338 thru 9971

69L-926hR thru 928hR 69L-9296R " 9312R 69L-931hR " 9329R

REPEAT: DO NOT USE THE ABOVE LISTED RATIOS FOR RADIAL LOCATION OF SIGNALS.

The following listed color ratios: 69L(c)-9238 thru 9259, do have double solid centers fixed by fiducial marks, are specially processed, and may be used for radial intersection of signals.

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	F SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
χ		Bridge - W.O.	χ
Chart Data)			
13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
		0777	0777
			CHB
	.•	PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
		СНВ	CHB
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	34. JUNCTION	\$	35. LEGIBILITY OF THE
			MANUSCRIPT
			CHB
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FIELD EDIT REPORT ESTERO BAY, FLORIDA JOB PH-6912 Map TP-00016

52. ADEQUACY OF COMPILATION

Compilation was adequate. Much of the mangrove shoreline was drafted too smoothly. The smaller corrections were inked on the photographs, while the larger, more obvious, corrections were shown by limit lines. Notes were made on the field edit ozalids and cross referenced to the photographs.

Numerous small "oyster bars" were mapped as "islets" with MHWL. All of them are covered at MHW and have no MHWL. Some of these "oyster bars" have mangrove bushes growing on them which should be mapped as apparent shoreline with oysters in foreshore. All oyster bars were inspected at one time or another and heights, time of observation and dates were inked on the photographs and field edit ozalid.

One compiled "islet" is actually "grass in water" with tiny mangrove bushes scattered throughout. It should be shown as apparent shoreline. Another area, similar to this one, is to be found immediately north of New Pass, although the mangrove bushes are larger and more numerous.

Several areas, the most conspicuous of which is Broadway Channel, have "grass in foreshore". Scattered mangrove in foreshore" is also very prevelent.

The MHWL at lat. 26° 24.0', Long. 81° 52.3' was erroneously compiled. Measurements from photo points were taken at intervals and a very faint, slightly dark, line was identified as the MHWL. It was inked on the photographs, attention drawn to the change on the field edit ozalid and the compiled MHWL deleted.

A "cut", at lat. 26° 24.0', long. 81° 52.9' was overlooked. A new seawall has been constructed near Carlos Point. New photography, flown in August 1970, should show this addition. MHWL in the area is on the new seawall.

The field editor was given instructions not to delineate this change by field methods.

A large "pier ruins", at lat. 26° 24.6', Long. 81° 54.2' was not compiled. It was noted on the field edit ozalid and cross-referenced to the appropriate photograph.

Southwest of Carlos Point, several sand areas were compiled as MHWL. The area was inspected at MHW and no MHWL was observed. One small area was "awash" at the time and was inked on the photograph and outlined, approximately, on the field edit ozalid. The MHWL was deleted from the map. The tide gage at Carlos Point was used to ascertain the time of MHW.

All of the MHWL in the area just north of New Pass was deleted and several other shoreline changes were indicated.

The gulf shoreline to the south of New Pass has eroded 100 or more feet since photography and the configuration of the point has changed entirely. New photography was flown in August 1970, to cover this change. The field editor was instructed to not delineate the change by field methods.

The MHWL at Big Hickory Pass has also eroded and a new bulkhead is under construction. Once again, the 1970 photography will have to be consulted for these changes.

The MHWL depicted in the center of Broadway Channel is non-existant and was deleted from the manuscript, The area should be mapped as "awash".

There is no MHWL at lat. 26° 23.3', long. 81° 51.5', as mapped. There is an extensive area here, however, which bares up to two feet at MLW. This area was inked on the photographs and outlined, approximately, on the field edit ozalid.

Several piling were compiled that are not extant and these were deleted from the manuscript.

There are submerged power and communications cable crossings on either side of the Big Carlos Pass bridge, New Pass bridge, and Big Hickory Pass bridge. They were indicated on the field edit ozalid and located on the photographs.

Numerous boat slips, boathouses, bulkheads and piers were not compiled. Appropriate notes were made on the field edit ozalid and photographs. One large, new pier has been constructed at lat. 26° 24.5', long. 81° 54.0'. The 1970 photography should be consulted for its location.

Upwards of sixty-five D.P.'s were taken to locate privately maintained channel markers, piling and snags. The D.P.'s were plotted on mylar with a steel, three-arm protractor and transferred to the signal manuscript for use by the hydrographer. The positions of these objects can be taken from the film ozalid copy of the signal manuscript which accompanies this report.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Geographic Names

In accordance with verbal instructions given the field editor, no investigation of geographic names was made. Geographic names will be the subject of a special report to be submitted at a later date.

56. LANDMARKS AND NON-FLOATING AIDS FOR NAVIGATION

There are no nautical landmarks or fixed aids to navigation, as defined, within the limits of this map.

One excellent landmark building was recommended. Another building, to be of the same height and general configuration, is under construction near to it and paralleling the beach. Its position should be taken from the 1970 photography and it, too, should be mapped as a landmark building.

Private aids were discussed under side heading 52 above.

57. ROCKS, REEFS AND SHOALS

There are no rocks or reefs, other than the oyster bars mentioned under "Adequacy of Compilation" above, within the limits of this map.

Shoals are numerous and extensive and huge "flats" cover a good portion of the bay area. Shoals, for the most part, were adequately mapped. Those extant but not compiled were inked on the photographs and outlined, approximately, on the field edit ozalid. Hieghts, where applicable, were given for all shoals.

58. PHOTOGRAPHY

Photography consisted of 1:10,000 ratio color photographs. The photography was good.

59. DISPOSITION OF DATA

The field edit osalid, field prints containing field edit information, the processed color office prints, and the matte finish infrared photographs, along with all pertinent data, were forwarded to The Director, Atlantic Marine Center. Two film ozalids, one containing photo-hydro signals, and one paper ozalid, with photo-hydro signals indicated, were transmitted to the hydrographic field party.

Michard E. Kesselring Surveying Technician

September 22, 1970

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GE TIC SURVEY

NONFLOATING AIDS QRYDAMDMARKS FOR CHARTS

TO BE CHARTED ATRIKE OUT TWO KKARAPEKEARR ASTRIKE OUT TWO

Atlantic Marine Center, Norfolk, January 7, 1971

I recommend that the following objects which have (MANANN) been inspected from seaward to determine their value as landmarks be charted on KUKKUXXXXXXX the charts indicated.

J. C. in ALBERT C. RAUCK, JR. The positions given have been checked after listing by

856 SC: CHARTS XXXXXXXXXXXX E : OFFEHDRE CHAR INSHOUS CHART HARBOR CHART DATE OF LOCATION N.A. | PHOTO: APR1970 ¥ = F = POWELL, DIRECTOR, METHOD OF LOCATION AND BURVEY No. ٧ Ľ = ` = DATOM **:** 00.58 ~ 16 · 15.15 D. P. METERS 56.35 12.52^{2} **i** 1,562 LONGITUDE # 347 ALLEN 52, 52 Š POSITION -• 81, 81, 81/ 81 D.M.METERS 36.65 33.087 128 / 48.97 $1574 \, r$ 1018 -507 LATITUDE¢ 23, 22 7 22 • ø <u>. 9</u> 26, 26. BIGNAL Range Southeast End, Front Range Northwest End, Rear Range MEASURED MILE MARKER Southeast End, Rear Range KEY MEASURED MILE MARKER Northwest End, Front MEASURED MILE MARKER MEASURED MILE MARKER ESTERO BAY, LOVERS DESCRIPTION FLORIDA CHARTING STATE

Positions of charted The data should be 😋 This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

REVIEW REPORT TP-00016

SHORELINE

July, 1975

61. GENERAL STATEMENT:

See Summary which is page six of the Descriptive Report.

A comparison print showing differences noted in paragraphs 62 through 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-11418, T-11419, and T-11420 dated 1961; scale 1:10,000. Little Carlos Pass is now closed by shifting sand. A new road has been built from Carlos Point southward through Little Hickory Island and back to the mainland. Differences are shown in blue on the comparison print.

In the areas compared, TP-00016 supersedes T-11418, T-11419, and T-11420 for nautical chart construction purposes. These surveys are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangles FORT MYERS BEACH, FL, scale 1:24,000, dated 1958; ESTERO, FL, scale 1:24,000, dated 1958; and BONITA SPRINGS, FL, scale 1:24,000, dated 1958. Little Carlos Pass has closed and New Pass has shifted approximately 200 meters to the northwest. A new road has been built from Carlos Point through Little Hickory Island and back to the mainland. Differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the original boat sheets for Surveys H-9147 (HFP745-10-1-70), H-9148 (HFP745-10-2-70) and H-9149 (HFP745-10-3-70). Shoreline on the boatsheets is from the Class III (Incomplete) manuscript. Several shoreline changes were made by the field editor which accounts for shoreline differences between the boatsheet and the final reviewed manuscript TP-00016. Several signs, pipes, snags and markers were shown on the boatsheet that could not be seen on the photography and therefore, were not shown on the manuscript. These differences are noted in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOS Chart 11426, scale 1:80,000, 17th edition, dated July, 1974 and NOS Chart 11427, scale 1:40,000, 12th edition, dated Aug., 1974. A visual comparison was made with each chart. The only discrepancy noted was a canal on the chart at latitude 26° 24.3' and longitude 81° 50.5', just north of the settlement of Coconut. This canal did not exist at the time of the 1970 photography. It was not mapped.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets Bureau requirements and the National Standards of Map Accuracy.

Reviewed by:

Billy H. Barner

Billy H. Barnes Cartographer July, 1975

Approved for forwarding:

Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

