AAOM	FORM (3-76)	

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

DESCRIPTIVE REPORT

. <u> </u>	
Map No.	Edition No.
TP-01032	1
Job No.	7. 7. 7.
CM-7821	
Map Classification	
Final Field Edited	····
Type of Survey	
Shoreline	<u> </u>
LOCALITY	-
State Florida	
General Locality	
${\tt Shell\ Point}$	
Locality	
Hopkins Island to Li	ve Oak Island
1979 TO 19	8o
REGISTRY IN ARC	CHIVES
DATE	

*U.S. GOVERNMENT PRINTING OFFICE:1976-669-248

		
NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERC NATIONAL OCEANIC AND ATMOSPHERIC ADMI	TYPE OF SURVEY SI	URVEY TP. 01032
	1	APEDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY M	APCLASS Final field
DESCRIPTIVE REPORT - DATA RECORD		edited
PHOTOGRAMMETRIC OFFICE		
	LAST PRECEEDING	
Rockville, Md.	1 _ 1 "	AP CLASS
OFFICER-IN-CHARGE	7	URVEY DATES:
Cmdr W. Simmons	REVISED 19	9TO 19
I. INSTRUCTIONS DATED	1 - '-	
1. OFFICE	2. F1EI	LD
General Instructions-Office-NOS cooperative	Field Instructions	
coastal boundary mapping-Job PH-7000	Field - 11 Aug 1977	21 100 1710
9 Dec 1975	Amendment - Field ed	dit procedures
Office 18 Aug 1977	30 Jan 3	
Amendment I - 3 Jan 1978	-	and .
Amendment II - 7 Mar 1978		
1		
II. DATUMS		
1. HORIZONTAL: [X] 1927 NORTH AMERICAN	OTHER (Specify)	
12 1947 NORTH AMERICAN	OTHER (Specify)	<u> </u>
MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL: X MEAN LOW-WATER MEAN LOWER LOW-WATER	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
MEAN SEA LEVEL		
3. MAP PROJECTION	4. GRID	D(S)
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5. SCALE	<u> </u>	DNE
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III. HISTORY OF OFFICE OPERATIONS	<u> </u>	
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	<u> </u>	Jan 1980
METHOD: Analytic Landmarks and aids by	N/A	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY		<u>May 1980</u>
<u> </u>	IV/A	· ·
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		
INSTRUMENT: CONTOURS BY		
SCALE: CHECKED BY		
4. MANUSCRIPT DELINEATION PLANIMETRY BY	J. Schad	June 1980
CHECKED BY		Aug 1980
METHOD: Graphic CONTOURS BY		
- CHECKED BY		
SCALE: 1:20,000 HYDRO SUPPORT DATA BY	- *1/-**	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Aug 1980_
By	'I _ = " " = "	Oct 1980
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	<u> </u>	Oct 1980
7. COMPILATION SECTION REVIEW BY	F. Wright	Dec 1980
8. FINAL REVIEW BY	<u> </u>	May 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	- 	Morr 7 001
1). MAP REGISTERED - COASTAL SURVEY SECTION BY	T Demonsey	May 1984 Nov 1984
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NOAA FORM 76~368 3~72)					NATIO		INISTRATIO EAN SURVE
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NOAA FORM 76-36B(1) (7-75)

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

TIDE - COORDINATED PHOTOGRAPHY

TP.

	TP - 01032		
LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
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NOAA FORM 76-368(1) (7-75)

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	OPERATION			NAME		DATE
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		RECOVERED BY	D. Minkel	·		
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		RECOVERED BY				
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	RECOVERED (Trian	gulation Stations) BY				
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N/A						
HOTO NUMBER	OBJECT NA	ME	PHOTO NUMBER	<u> </u>	OBJECT	NAME
GEOGRAPHIC NAME:	S: REPORT	NONE	6. BOUNDARY AN	D LIMITS:	REPO	RT [***] NONE
. SUPPLEMENTAL MA	PS AND PLANS			<u> </u>		
OTHER FIELD RECO	IRDS (Sketch books, etc. D	O NOT list data submi	tted to the Geodesy D	rivision)		

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OPERATION	NAME		DATE
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ESTABLISHED BY	n/a		
PRE-MARKED OR IDENTIFIED BY	n/a		
RECOVERED BY	n/a		
ESTABLISHED BY	n/a		
PRE-MARKED OR IDENTIFIED BY	n/a		
RECOVERED (Triangulation Stations) By	n/a		
LOCATED (Field Methods) BY	n/a		
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none

7. SUPPLEMENTAL MAPS AND PLANS

5. GEOGRAPHIC NAMES:

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

X NONE

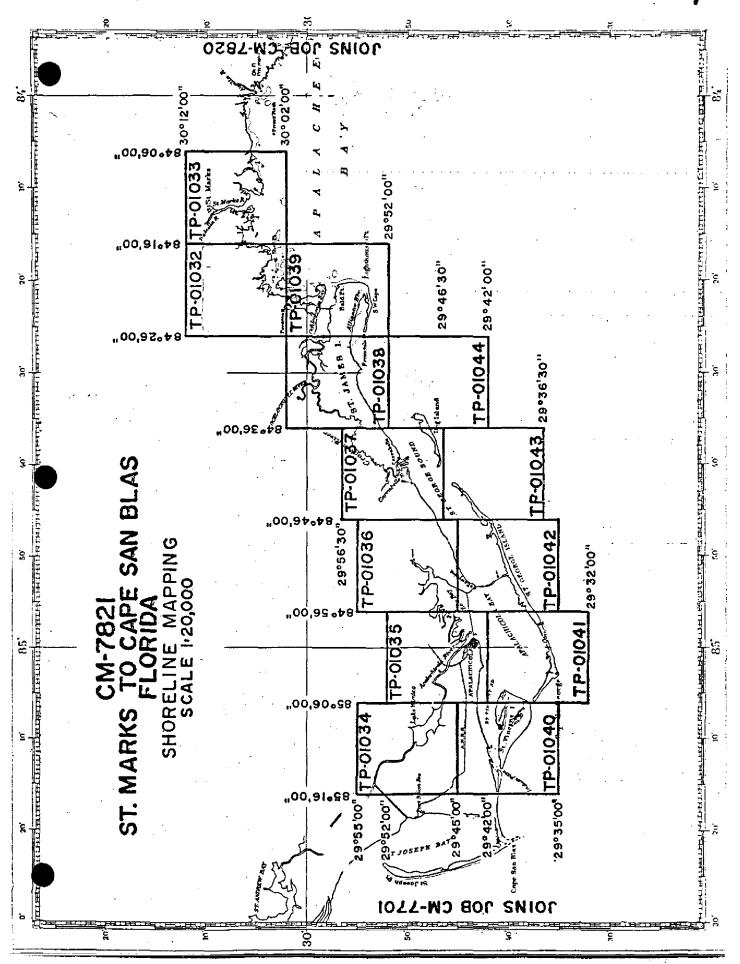
REPORT

none

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6. BOUNDARY AND LIMITS: TEPORT

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V. SURVEY	EDITIONS (This section :			p edition is r	registered)		
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT TP-01032

Coastal Zone Map TP-01032 is one of thirteen 1:20,000 scale shoreline maps in project CM-7821. These maps are intended for planning purposes for the state of Florida and for the construction and maintenance of NOS Nautical Charts.

The layout for CM-7821 shows the location of the individual maps from St. Marks to Cape San Blas. A copy of the layout is included in this Descriptive Report. Field operations consisted of a field inspection, premarking horizontal control and photographing the area, establishing tidal datums and performing the field edit.

Panchromatic compilation photography was taken with the Wild RC-8-E camera at 1:60,000 scale in October and November, 1979 and used in clarifying detail and compiling landmarks and aids to navigation. The shoreline was compiled using 1:60,000 scale, black and white, infrared GCLW photography taken with the Wild RC-10-C camera in February and March, 1979.

The Aerotriangulation Unit in Rockville, Maryland bridged five strips of 1:60,000 scale black and white panchromatic photography using analytic aerotriangulation methods.

Compilation was completed in the Coastal Mapping Unit, Rockville, Maryland using graphic methods.

Field Edit was completed in October, 1980. Recovery and location of landmarks, fixed aids to navigation, piling, etc. were omitted from the field edit procedures as per memo, dated January 30, 1978, from chief, Photogrammetric Branch. These items were compiled, to the extent possible, by office photogrammetric methods. The edit was required to only visually verify their existence at the time of edit. Their locations were not field checked. Field edit requirements in the foreshore and adjacent areas remain unchanged.

Application of field edit was performed in the Coastal Mapping Unit, Rockville, Maryland.

Final Review was performed in the Quality Control Unit, Rockville, Maryland in May, 1984. This map meets the requirements for National Standards of Map Accuracy.

The context of this Descriptive Report contains all pertinent reports and listings of data used to compile the final map.

FIELD INSPECTION REPORT

TP - 01032

2. Areal Field Inspection

This report is submitted for sheet TP-01032; the area covered is from Wakulla Beach west to Piney Island, Fl.. The shoreline consists of fast, apparent, and man-made shoreline, much of the Gulf coast is fast with grassy water.

The photographs used are 1979 single lens ratio prints of 1: 20000 scale. The photography was considered adequate in spite of the low tidal stage shown on the photos. Photography used was flown on 8 October 1986.

3. Horizontal Control

N/A

4. Vertical Control

N/A

5. Contours and Drainage

Contours are not applicable. Ditches have been indicated when present.

6. Woodland Cover

Woodland Cover (when present) was primarily Cypress and Live Oak .

Tree overhang was annotated when applicable.

7. Shoreline and Alongshore Features

Shoreline inspection was conducted from a skiff run close to shore. The area consists of fast, apparent, bulkhead, and man-made shorelines, all of which have been annotated on the photos. Shoreline described as fast with grassy water is a fast shoreline with low grass (no more than one foot in height) encroaching (2 to 5 ft.) on the water at MHW. The grassy water should be disregarded for charting and a fast shore depicted instead.

Ramps, marine railways, and lifts have been indicated when present.

Oyster bars were not generally indicated as they are not bare at MHW.

No attempt was made to delineate the approx. high or low water lines.

8. Offshore Features

All islands were visited and appropriate notes made on the photos.

No lone rocks were observed.

9. Landmarks and Aids to Navigation

Channels leading to and about Shell Pt. and Spring Creek are well marked with private aids (fixed), none were located on the photos as they are relatively small and could not be seen on the photography.

10. Boundaries, Monuments, and Lines

N/A

11. Other Control

N/A

12. Interior Features

N/A

13. Geographic Names

N/A

14. Special Reports and Supplemental Data

N/A

Report submitted 21 April 1980

David H. Minkel, LTJG NOAA Chief, Photo Party 65

. ._____.

Photogrammetric Plot Report St. Marks to Cape San Blas, Florida CM 7821 April 18, 1980

Area Covered

The area covered by this report is the coastline of the Gulf of Mexico from Money Beach (near Cape San Blas) east to, and including, St. Marks. The area is covered by 13 1:20,000 scale manuscripts (TP-01032 through TP-01044).

Method

Five strips of 1:60,000 scale black and white panchromatic photography were bridged by analytic aerotriangulation methods. Field identified control was provided. Aids and landmarks, whose ground positions are known, were used as checks.

Common-points were located between the strips to ensure their proper junctioning.

The ordering of ratio prints and plotting of manuscripts will be handled by the Compilation Section.

Adequacy of Control

The control proved adequate for completion of the project, but barely within the accuracy standards of this office. See the notes to compiler for an explanation.

Supplemental Data

USGS quads were used to provide vertical control for the project. Nautical Charts were used to locate aids and landmarks.

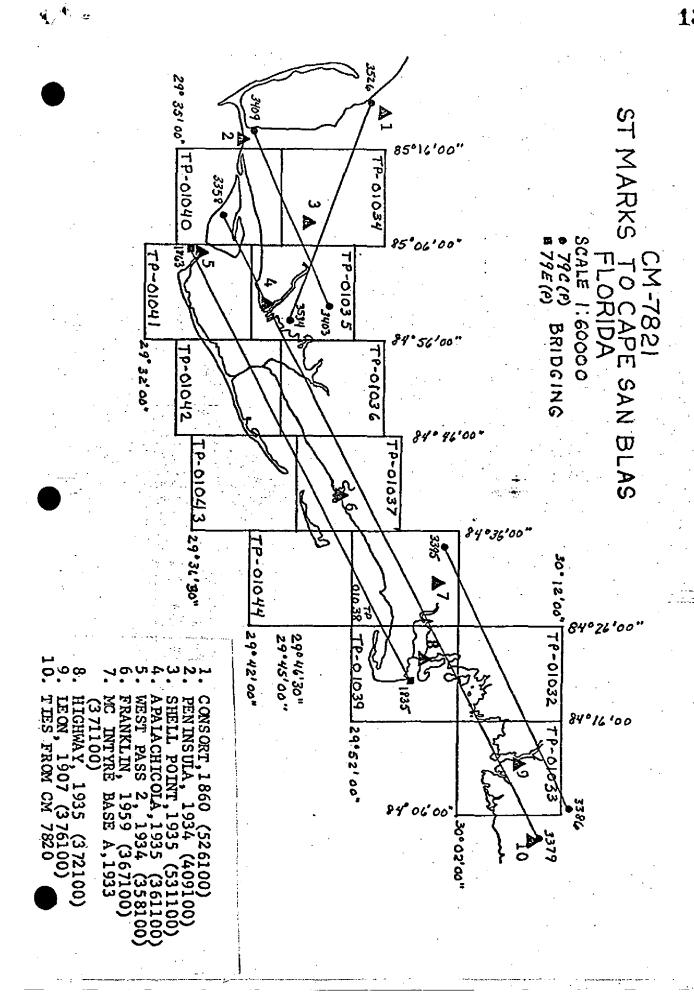
Photography

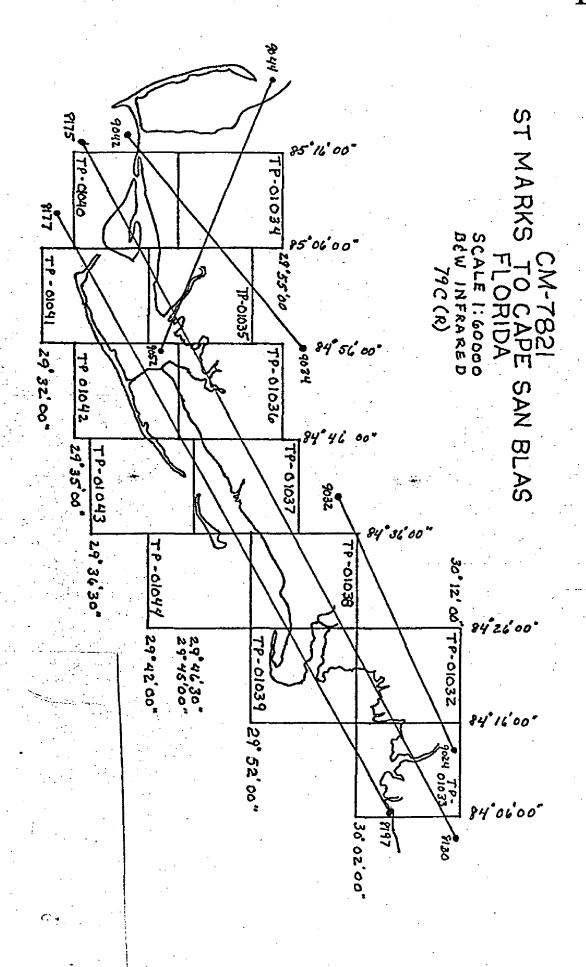
The coverage, overlap, and quality of the photography proved adequate for the job.

Approved and Forwarded:

Don O. Norman
Donald O. Norman

Chief, Aerotriangulation Section





FIT TO CONTROL

STRIP 1	X	Y
358100	-4.02 7	1.926
361100	5.685	-3.753
361146	5.807	-1.768
367100	920	1.939
371101	-5.514	167
3 72 1 0 1	-2.893	-1.891
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3 79 801	-2.541	-2.23 7
3 79 802	-4.331	-1.270
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3 72 801	3.624	2.961
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83 7801	-1.905	1.331
83 9 8 0 1	-3.819	-1.490
839802	330	4.158
367100	-1.486	.838
841801	.664	2.571
841150	.653	-1.768 6.074
843 801 843 802	.986 2.730	6.074 6.378
845801	-1.262	4.567
845802	156	.421
361100	2.640	658
361146	780	-1.730
847801	-2 .603	4.180
84 7 8 0 2	5.082	1.064
358100	-1.711	.041
849801	-3.465	.308
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FIT TO CONTROL (CONT)

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STRIP 5		
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Compilation Report TP-01032 June 1980

31. Delineation

All alongshore cultural features and interior planimetry on this map were delineated by graphic compilation using rectified black-and-white prints of the 1:60,000 scale panchromatic photography and the black-and-white points of the 1:60,000 scale infrared photography. This panchromatic photography was controlled by map points determined by aerotriangulation.

The MHW line was compiled from the 1:60,000 scale infrared photography, (refer to NOAA Form 76-36B) and the 1:60,000 scale panchromatic photography was used in conjunction with the infrared photography for the interpretation of MHW shoreline.

There was no GCLW photography for this area.

32. <u>Horizontal Control</u>

Horizontal Control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data

Two tide stations were plotted from sketches provided by the Tidal Datums and Information Branch.

34. <u>Contours and Drainage</u>

Contours are not applicable. Drainage was compiled from rectified black-and-white infrared photography.

35. Shoreline and Alongshore Details

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

36. Offshore Delineation

Offshore delineation consisted of shallow, shoal, channel areas, and oyster bars. The oyster bars shown were delineated with a dashed line to indicate the limits because no GCLW photography was available for this map:

37. Landmarks and Aids

One landmark was located on this map by aerotriangulation. No aids were located.

38. <u>Control for Future Surveys</u> - None

39. <u>Junctions</u>

Refer to NOAA Form 76-36B.

40. Horizontal and Vertical Control

This map complies with the accuracy requirement for the Florida Coastal Zone Mapping Program as outlined by Project Instruction PH-7000.

41. thru 45. <u>Inapplicable</u>

46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangle maps:

Spring Creek, Flā., 1972	1:24,000	Scale
Sopchoppy, Fla., 1972	II	u
Crawfordville East Fla., 1972	п	П
Crawfordville West, Fla., 1972	и	и

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart 11405 17th Edition, July 14, 1979

Submitted by,

James Schad

Approved and Forwarded:

Frank Wright

Chief, Coastal Mapping Section

FIELD EDIT REPORT

JOB CM-7821 ST MARKS TO CAPE SAN BLAS, FLORIDA

TP-01032 SPRING CREEK, WAKULLA COUNTY

51. METHODS

This manuscript was edited by skiff run adjacent to the shoreline, by inspection from truck, and by foot.

One overhead cable is shown; two ramps are indicated; a culvert is shown; a road not going thru is corrected; a house on pile at the high water line is indicated for compilation.

All questions have been investigated, and are answered thoroughly on the manuscript.

52. ADEQUACY OF COMPILATION

The compilation appears to be good, and it will be both complete and adequate upon the application of this edit.

54. RECOMMENDATIONS - none

56. GEOGRAPHIC NAMES

No questions were asked concerning names on this Map, and no disputes were encountered during the course of this Edit.

57. LANDMARKS AND AIDS

One Landmark was questioned on the Discrepancy Print; it was inspected from seaward, and found to be of no value. Form 76-40 is submitted herein. There are no Aids on this Map, and no other Landmarks are recommended.

58. FIELD EDITOR

Field Edit was done by Philip B. Walbolt.

14 October 1980 Submitted by:

D/. D. D

Philip 8. Walbolt Chief, Photo Party 63

REVIEW REPORT

TP-01032

May 1984

61. General Statement

Refer to the Summary bound with this Descriptive Report.

- 62. Comparison With Registered Topographic Surveys None
- 63. Comparison With Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

- 64. Comparison With Contemporary Hydrographic Surveys None
- 65. Comparison With Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

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

Submitted by:

Patrick J. Dempsey

Cartographer

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7821 (St. Marks to Cape San Blas, Florida)

TP-01032

Alligator Island

Palmetto Island

Apalachee Bay

Panacea

Boggy Island

Piney Island

Cedar Creek

Purify Creek

Cutoff Island

Red Fish Creek

Dickerson Bay

11000 2 22000 01 0002

Gander Creek

Goose Creek Bay

Shell Point

Shepherd Spring Creek

St. Marks National Wildlife Refuge

Grass Inlet

Skipper

Gull Island

Skipper Creek

Hopkins Island

Smith Island

Jacks Island

Spring Creek

Live Oak Island

Mensler Creek

Stokley Landing

Spring Creek (Ppl)

Medart

Stuart Cove

Old Creek

Walker Creek

Oyster Bay

West Goose Creek

Approved by:

Charles E. Harrington

Chief Geographer

DISSEMINATION OF PROJECT MATERIAL

CM-7821

National Archives/Federal Records Center

Red Jacket: Two NOAA Forms 76-52
Field Notebooks - Two looseleaf binders
Tidal Bench Mark Descriptions
Sketches and computations
Field Edit Discrepancy Print
Field Photographs
CSI Cards

Bureau Archives

Registered Copy of each map Descriptive Report of each map

Reproduction Division

8x Reduction Negative of each map

Office of Staff Geographer

Geographic Names Standard

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NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart, 1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Revi

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