

TP-01018

TP-01018

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
<i>Map No.</i> TP-01018	<i>Edition No.</i> 1
<i>Job No.</i> CM-7819	
<i>Map Classification</i> Final Field Edited	
<i>Type of Survey</i> Shoreline	
<b>LOCALITY</b>	
<i>State</i> Florida	
<i>General Locality</i> Suncoast Keys	
<i>Locality</i> Fort Island to Mendit Key	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 79 TO 1980         </div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72) <span style="float: right;">U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.</span>  <b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED  SURVEY TP- <u>01018</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final field edited</u> JOB <u>RM-CM-7819</u>	
PHOTOGRAMMETRIC OFFICE  Rockville, Md.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
OFFICER-IN-CHARGE  Cmdr. W. Simmons			
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
General Instructions-Office-NOS Cooperative Coastal Boundary Mapping-Job PH-7000 9 Dec 1975 Office - 18 Aug 1977 Amendment I - 3 Jan 1977 Amendment II - 7 Mar 1978		Field Instructions - 11 Aug 1976 27 Dec 1976 Amendment - Field Edit Procedures 30 Jan 1978	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN  2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)  OTHER (Specify)	
3. MAP PROJECTION  Transverse Mercator		4. GRID(S) STATE <u>Florida</u> ZONE <u>West</u> STATE _____ ZONE _____	
5. SCALE 1:20,000			
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		<u>B. Thornton</u> N/A	<u>Jan 1980</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Cal Comp</u> CHECKED BY		<u>J. Taylor</u> N/A	<u>Mar 1980</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		<u>N/A</u>	
INSTRUMENT: _____ SCALE: _____		CONTOURS BY <u>N/A</u> CHECKED BY _____	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		<u>J. Schad</u> <u>C. Lewis</u>	<u>April 1980</u> <u>May 1980</u>
METHOD: <u>Graphic</u> SCALE: <u>1:20,000</u>		CONTOURS BY <u>N/A</u> CHECKED BY _____ HYDRO SUPPORT DATA BY <u>N/A</u> CHECKED BY _____	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		<u>D. Brant</u>	<u>May 1980</u>
6. APPLICATION OF FIELD EDIT DATA BY		<u>J. Schad</u>	<u>Aug 1980</u>
CHECKED BY		<u>F. Wright</u>	<u>Aug 1980</u>
7. COMPILATION SECTION REVIEW BY		<u>F. Wright</u>	<u>Oct 1980</u>
8. FINAL REVIEW BY		<u>P. Dempsey</u>	<u>Aug 1984</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>P. Dempsey</u>	<u>Aug 1984</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>E. DAUGHERTY</u>	<u>NOV 1984</u>

## COMPILATION SOURCES

TP-01018

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) <u>PANCHROMATIC</u> (I) <u>INFRARED</u>		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
				MERIDIAN 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
79 CP 3455-54	8 Oct	1152	1:60,000	N/A	
79 CR 0060-63	26 Mar	1458	1:60,000		
79 CR 0081-83	26 Mar	1528	1:60,000	Refer to NOAA Form 76-36B91)	

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the black-and-white infrared photography listed in Item 1.

3. SOURCE OF ~~MEAN LOW-WATER OR MEAN LOWER LOW-WATER~~ LINE:

Gulf Coast Low Water Line:

There is no Gulf Coast Low Water photography available

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH TP-01017	EAST None	SOUTH TP-01019	WEST None
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REMARKS

Final junctions will be made by the Coastal Mapping Section

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

## TIDE - COORDINATED PHOTOGRAPHY

TP - 01018

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
79 CR 0060-63	Withlacoochee River Entrance Bay Port	0.00 -0.35 MHW	

REMARKS:

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	LTJG David H. Minkel	
2. HORIZONTAL CONTROL	RECOVERED BY <del>XXXXXXXXXX</del> N/A	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	
	LOCATED (Field Methods) BY	
	IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	
	Photo Party 65	July/Aug. 79
	David H. Minkel	July/ Aug. 79
	N/A	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

N/A

2. VERTICAL CONTROL IDENTIFIED

N/A

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

NOS 26 MAR 79 CP 0029, 9978, 9980

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Crystal River Muni. Water Tank, Ozello Water Tank, new Water Tank (76-40 att.)

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

9980

Crystal River Muni. Water Tank

9980

Ozello Water Tank

0029

new Water Tank

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	D. Minkel	
2. HORIZONTAL CONTROL	RECOVERED BY D. Minkel (2 stations)	6/20/80
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY N/A	
3. VERTICAL CONTROL	RECOVERED BY N/A	
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A	
	LOCATED (Field Methods) BY N/A	
	IDENTIFIED BY D. Minkel	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	BY D. Minkel 4 June 80
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY D. Minkel	9 July 80
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

N/A

2. VERTICAL CONTROL IDENTIFIED

N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

79 CR 0060

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

3 tanks were visually verified, see enclosed 76-40

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

N/A

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

N/A

RECORD OF SURVEY USE

TP-01018

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER PAGES	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		Oct 16, 1980	Digitized 76-40 Forms.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_  
 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:  
 1 - NOAA Form 76-52, 1 three ring binder showing 1979 premark panelling data  
 4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

**CM-7819**  
**PORT RICHEY TO CEDAR KEYS**  
**FLORIDA**  
**SHORELINE MAPPING**  
**SCALE 1:20,000**

TP-01014 TP-01015  
TP-01016 TP-01017  
TP-01018  
TP-01019  
TP-01020  
TP-01021

WACCASASSA BAY  
Port Englio  
St. Marianna River  
Cedar Key  
Anclote Key

JOINS JOB CM-7820  
JOINS JOB CM-7612

Scale: 0 10 20 Miles

JOINS JOB CM-7820

Cedar Keys

WACCASASSA BAY

TP-01014

TP-01015

TP-01017

TP-01016

TP-01018

TP-01019

TP-01020

TP-01021

Port Richey

Anclote Keys

JOINS JOB CM-7612

CM-7819

PORT RICHEY TO CEDAR KEYS

FLORIDA

SHORELINE MAPPING

SCALE 1:20,000

83°00'00"

82°50'00"

82°43'30"

82°40'00"

29°15'00"

82°33'30"

29°05'00"

28°55'00"

82°53'30"

28°45'00"

82°46'00"

82°45'00"

28°35'00"

82°34'00"

28°25'00"

82°35'00"

28°15'00"

82°48'00"

82°44'00"

82°38'00"

20'

10'

83'

60'

40'

30'

20'

JOINS CHART 1101

**CM-7819**  
**PORT RICHEY TO CEDAR KEYS**  
**FLORIDA**  
**SHORELINE MAPPING**  
**SCALE 1:20,000**

TP-01014 TP-01015  
TP-01016 TP-01017  
TP-01018  
TP-01019  
TP-01020  
TP-01021

WACCASASSA BAY  
Port Englio  
St. Marianna River  
Cedar Key  
Anclote Key

JOINS JOB CM-7820  
JOINS JOB CM-7612

[illegible]



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
TP-01018

Coastal Zone Map TP-01018 is one of eight 1:20,000 scale shoreline maps in project CM-7819. 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-7819 extends from Cedar Keys to Port Richey. 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.

This map was compiled using 1:60,000 scale, panchromatic, ratio photography taken with the Wild RC-10-C camera and 1:60,000 scale, black and white, infrared MHW, rectified photography taken with the Wild RC-10-C camera. The panchromatic photography was taken in October, 1979 and the infrared in March, 1979.

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

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

Field edit was completed in July, 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. 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 August, 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

SHEET TP-01018

## 2. Aerial Field Inspection

This report is submitted for sheet TP-01018. The area covered is from Crystal River, Fl. south to the Homosassa River.

The major part of the land is either marsh or mangrove, populated areas are located along the major rivers. The photographs for this sheet are 1979 single lens ratio prints 1:60,000 2x ratio and one 3x ratio.

Photography furnished consisted of every photograph along a flight line. The 2x ratio photos were not adequate; specifically, they were lacking in resolution and contrast. Photo interpretation was very difficult on the Gulf shore as the water is relatively shallow and there are many oyster bars and mangrove clumps. In some areas it was impossible to discern the oyster bars from the mangrove clumps. All shoreline in these areas is apparent and is so annotated on the photos. The 3x ratio print was considerably better.

## 3. Horizontal Control

N/A

## 4. Vertical Control

N/A

## 5. Contours and drains

Contours not applicable. Ditches have been indicated on the photographs.

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## 6. Woodland Cover

Tree overhang was classified <sup>h</sup>were applicable.

## 7. Shoreline and alongshore features

The shoreline inspection was conducted from a skiff run close to shore. The area consists of apparent, fast, bulkhead, riprap, and manmade shoreline, all of which has been annotated on the photographs.

Field Inspection was not conducted in all areas due to the nature of these areas. Much of this sheet consists of numerous small islands of marsh grass with very shallow water and an abundance of oyster bars. Since these areas could only be inspected within one hour of MHW and would most certainly damage equipment constantly, it was not considered reasonable to investigate all areas. All waterways where boat traffic existed or was suspected were investigated. In addition, all the photographs were carefully examined with a stereoscope in the office and all suspect areas or features inspected in the field.

Those areas on the sheet which are not annotated were not inspected in the field and should be charted as having an apparent shoreline. This classification is based on careful comparison of the shoreline character with the photographic image while on site in adjacent areas. These areas are marked as "shoal areas" on the photographs.

No attempt was made to delineate the approx. low water line on the photographs.

Overhead cables, submerged cables, and pipelines have been noted when present.

Shoreline structures were noted on photographs.

-3-

Oyster bars are found in abundance over the entire Gulf coast of this sheet. Only one area was found to be relatively free of oyster bars, that area is in the vicinity of the mouths of the St. Martin River and Fish Creek (approx.  $28^{\circ} 49.0' N$ ,  $82^{\circ} 44.5' W$ ). It is recommended that these bars be charted as shoal areas and their boundaries be determined by compilation.

#### 8. Offshore features

Offshore islands were visited and appropriate notes made on the photographs.

#### 9. Landmarks and Aids

Three landmarks were noted on the photos, all are water tanks. Two are charted, one is not. NOAA form 76-40 is attached.

#### 10. Boundaries, Monuments, and lines

N/A

#### 11. Other Control

N/A

#### 12. Other Interior features

Minimum Vertical Clearance was determined for one bridge on this sheet. The bridge is located where county road "C 494" crosses the Salt River. Minimum clearance was steel - taped in the center span of the bridge. Clearance was determined to be 7.8 ft., at 1031 Eastern Daylight Time on 3 August 1979; clearance was not corrected for tides.

-4-

## 13. Geographic Names

N/A

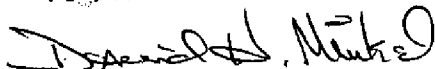
## 14. Special reports and Supplemental Data

N/A

## 15. Recommendations

If it is determined that those areas which were not inspected by this party do in fact need to be visited, the following recommendations should be considered; (1) funding for the procurement (either renting or purchasing) of an airboat, as the time required to inspect these areas from a conventional skiff would be cost prohibitive, (2) scheduling should allow the inspection party to be in the work area sometime from the beginning of April to the beginning of November, during the winter months the wind historically comes from the NE and usually negates most high tides and amplifies most low tides.

Submitted  
8/30/79



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

Photogrammetric Plot Report  
Port Richey to Cedar Keys, Florida, CM-7819  
February 8, 1980

21. Area Covered

The area covered by this report extends from Cedar Keys to Port Richey. This area is covered by 8 1:20,000 scale sheets; TP-01014 through TP-01021.

22. Method

Four strips of 1:60,000 scale black and white photography were bridged by analytic aerotriangulation methods. The strips of bridging photography were controlled by field identified control and tie points in areas where control was deficient. Tie points also were used in all strips to insure an adequate junction of all strips during the strip adjustments. The infrared photography was drilled so that it could be used for rectification.

23. Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for its intended use. See attached sheet for accuracy of control in the strip adjustments.

Station Corner 1934, could not be identified on our bridging photography so our office requested photo identifiable points to be located by a field party to replace that point.

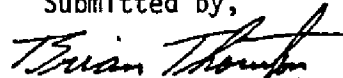
24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

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

Submitted by,



Brian Thornton

Approved and Forwarded:



Don O. Norman  
Chief, Aerotriangulation Section

## Accuracy of Control

Strip #1

<u>PT.</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
473101	-.161	.269
476101	1.906	-.771
477101	-1.402	1.437
479101	-.343	-.935

Strip #2

<u>Pt.</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
455101	-.134	-.069
459101	.302	.200
479101	-.235	-.365
477101	.064	.242

Strip #3

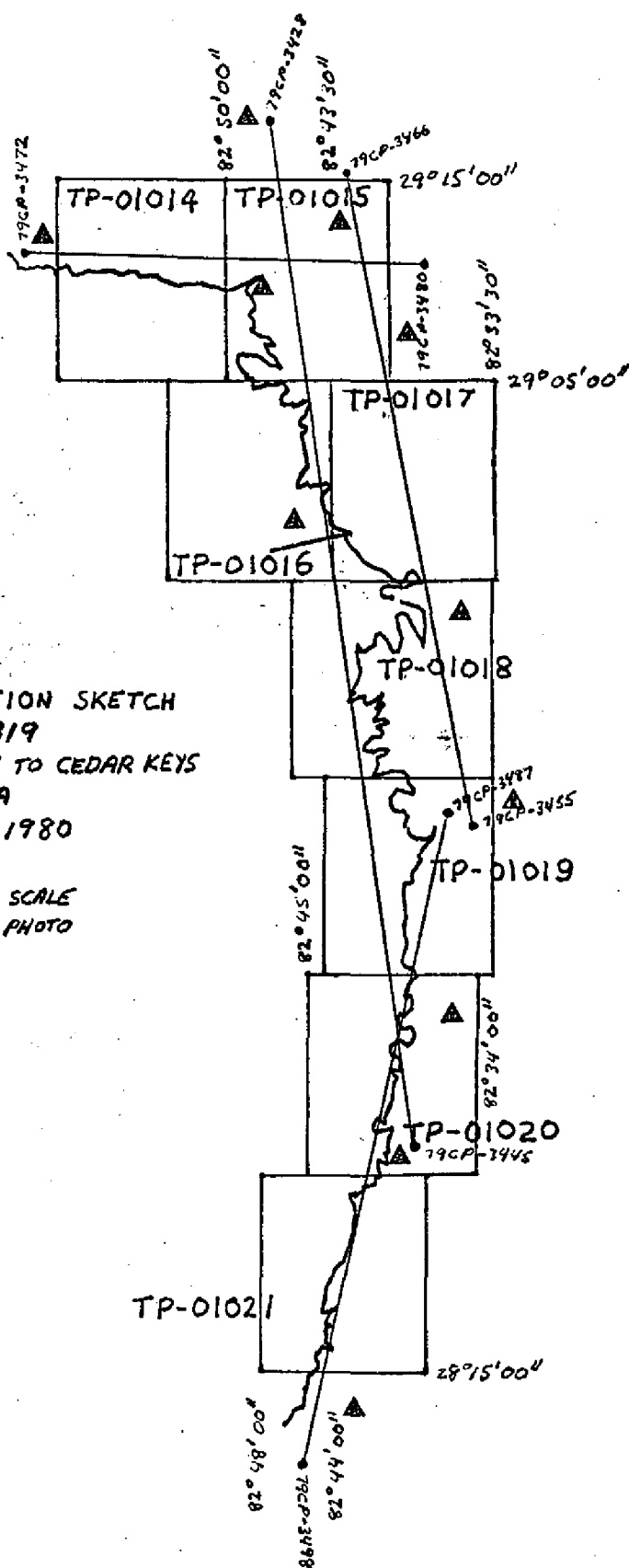
<u>PT.</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
428101	.545	1.035
477101	4.163	.277
476101	-2.706	-5.658
462802	-.764	6.306
434100	4.480	-5.317
458801	4.244	4.155
488801	1.166	4.233
489802	.230	-3.456
490101	-4.813	-3.070
445101	2.892	1.438

Strip #4

<u>PT.</u>	<u>X-ERROR</u>	<u>Y-ERROR</u>
455101	.243	.461
490101	-1.750	-1.794
445101	1.753	1.492
479101	-.248	-.162

AEROTRIANGULATION SKETCH  
 CM-7819  
 PORT RICHEY TO CEDAR KEYS  
 FLORIDA  
 FEBRUARY 8, 1980

1:60,000 SCALE  
 BRIDGING PHOTO





## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	CM-7819	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY	
						COORDINATES IN FEET STATE <u>Florida</u> ZONE <u>West</u>	GEODETTIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	Rockville, Md.	
TP-01018	Crystal River Municipal WT, 1933	P C pg 10	18			X=	310,774.70	$\phi$	
						Y=	1,659,928.56	$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
						X=		$\phi$	
						Y=		$\lambda$	
COMPUTED BY						COMPUTATION CHECKED BY		DATE	
LISTED BY	J. Schad					LISTING CHECKED BY		DATE	
						C. Lewis		May 1980	
HAND PLOTTING BY						HAND PLOTTING CHECKED BY		DATE	

## Compilation Report

TP-01018

April 11, 1980

31. Delineation

All alongshore cultural features and interior planimetry on this map were delineated by graphic compilation using field inspected panchromatic ratio photos and rectified black-and-white prints of infrared photography. This photography was controlled by map points determined by Aerotriangulation.

The MHW line was compiled from the infrared photography.  
No GCLW line was compiled on this map.

32. Horizontal Control

Horizontal control was adequate. (See Photogrammetric Plot Report).

33. Supplemental Data

Nine tide stations were plotted from sketches furnished by Tidal Datums Branch.

34. Contour and Drainage

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

35. Shoreline and Alongshore Details

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

36. Offshore Details

The following offshore features are shown on NOS chart 11409, but could not be identified on the photography used to compile this map:

Ship Rock	28°46.6' - 82°42.3'
Roach Key	28°48.9' - 82°44.1'
Green Point	28°50.7' - 82°44.2'

37. Landmarks and Aids

There are <sup>4</sup> landmarks on this map. <sup>Three</sup> ~~Two~~ located by Aerotriangulation and one located by the field party (See NOAA Form 76-40).

No aids were located on this map.

38. Control for Future Survey - None

39. Junctions

Refer to NOAA Form 76-36B.

40. Horizontal and Vertical Control

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

41. through 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangle maps:

Ozello, Fla., 1954 - 1:24,000 scale

Homosassa, Fla., 1954 - 1:24,000 scale

Red Level, Fla., 1954 - 1:24,000 scale

Crystal River, Fla., 1954 - 1:24,000 scale

47. Comparison with Existing Charts

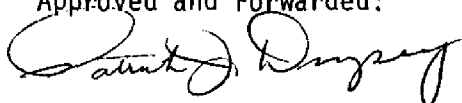
Comparison was made with Nautical Chart 11409, 16th Edition, June 16, 1979.

Submitted by,



James Schad

Approved and Forwarded:



*For*, F. Wright  
Chief, Coastal Mapping Section

## FIELD EDIT REPORT

TP-01018

CM-7819

## 51. Methods

Because of the large number of islets on this sheet and the fact that the field inspection was recently conducted by this unit the shoreline classification was not verified by normal field methods. Instead, the supplied photography was overlayed with the stable base copy and a careful comparison of the photography with the manuscript was made. Any possible omissions or misinterpretations were resolved by normal field methods performed from either a truck or a skiff.

Additions and corrections have been noted on both the discrepancy print and the stable base copy. The discrepancy print has answers to the discrepancy items and information on some cultural features. The stable base has omitted features (islets) that have been traced off of the photos. All islets have an apparent shoreline and are dimensionally correct (in regard to MHW) on the photography.

Tick marks found on photos 79 CR 0061, 0081, and 0082, were made in the field and indicate islets which had been omitted. Photo 79 CR 0060 was used to indicate a navigable waterway through an area of grassy water.

All notes, corrections, etc. have been made in violet, red pencil marks (on the stable base) were made for use in the field and should be disregarded by office personnel.

## 52. Adequacy of Compilation

Compilation will be both adequate and complete after application of field edit.

## 53. Map Accuracy

No accuracy tests required.

## 54. Recommendations

More attention to quality by the photography lab would be appreciated, ie, less specks, scratches, and fingerprints.

## 55. Examination of Proof Copy

The island referred to as Tuckers Island is not called that by the local residents; most locals refer to it as the Crow's Nest because the Crow's Nest Restaurant is located on the island. Mr. Charles Huggins, a resident since 1924, said that the island had been called Little Shell Island, but he has not heard that name used for years.

No name for the island is listed with the Citrus County Tax Assessor's Office.

The name for the tide station most likely came from an 1858 triangulation station that was in the area of the tide station. The triangulation station is not described in the Florida Horizontal Control (Vol. I or Vol. II).

## 56. Green Point and Roach Key

A thorough search (with negative results) was made for Roach Key and the two islands termed Green Point (chart 11409,  $28^{\circ} 48.9' N$ ,  $82^{\circ} 44.1' W$ , and  $28^{\circ} 50.7' N$ ,  $82^{\circ} 44.2' W$ , respectively). The water depth in the area of both features was approx. 3 ft. and relatively consistent; clarity was excellent. No shoals were observed which conformed to the size and/or dimensions of the charted features. The search for Green Point was conducted from 1100 to 1115 EDT, 9 July 80; Roach Key was investigated from 1120 to 1135 on the same day. Recommend chart be revised to reflect the results of this investigation.

## 57. Ship Rock

Ship Rock was investigated and found to be in what appeared to be its charted position ( $28^{\circ} 46.6' N$ ,  $82^{\circ} 42.3' W$ ), no field position was determined, the rock was found to be baring 2.8 ft., with dimensions of 12 x 22 ft.; measurements were taken at 1157 EDT, 9 July.

The platform charted (16th Ed., 16 June 79) in the immediate vicinity of Ship Rock no longer exists in any form and should be deleted.

## 58. Highway Numbers

Many of the smaller state roads in the area have been transferred to county maintenance and a subsequent change in the numbering has been effected. The prefix "C" (denoting county) has been added to the original state number for those roads which have changed hands. Affected roads have been noted on the discrepancy print.

-3-

## 59. Bridges

The two single lane bridges in the vicinity of Ozello are being replaced with two double lane bridges. They are being built in the same location as the old bridges. The bridges are indicated on the discrepancy print.

Submitted, 9 July 80



David H. Minkel, LTJG  
Chief, Photo Party 65

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REVIEW REPORT  
TP-01018  
AUGUST 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:

  
for Chief, Photogrammetric Section  
for Chief, Photogrammetry Branch

6/13/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7819 (Live Oak Key to Port Richey, Florida)

TP-01018

Bagley Cove	Hell Gate
Banana Island	Homosassa
Battle Creek	Homosassa Bay
Bear Island	Homosassa Point
Bell Island	Homosassa River
Bird Keys (1)	Homosassa Springs
Bird Keys (2)	Hunter Spring Run
Black Creek	Kings Bay
Buzzard Island	Lashley Point
Buzzard Point	Little Coon Gap
Camp Island	Little Homosassa River
Chair Island	Little South Pass
Chassahowitzka National Wildlife Refuge	Long Point
Coffin Point	Mangrove Point
Coon Gap	Mason Creek
Crawl Key	Mendit Key
Crystal Bay	Miller Creek
Crystal River	Mud Creek
Crystal River (Ppl)	Mullet Key
Deep Creek	North Channel
Deer Creek	Oyster Creek
Dixie Bay	Ozello
Dog Island (1)	Paradise Island
Dog Island (2)	Paradise Point
False Channel	Pea Pass
Fish Creek	Petty Creek
Fish Creek Bay	Pine Island (1)
Fish Creek Pass	Pine Island (2)
Fort Island	Pipe Island
Game Creek	Pompano Key
Game Creek Bay	Price Creek
Green Key	Rock Island
Greenleaf Bay	St. Martins Keys
Greenleaf Key	St. Martins River
Grey Mare Pass	Salt Creek
Gulf of Mexico	Salt River
Gustaf Bay	Sams Bayou
Halls River	Sand Key
Head Creek	Sandy Hook

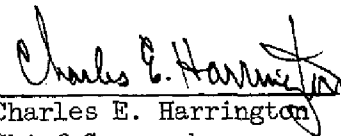


TP-01018 Continued

Shark Point  
Sheephead Creek  
Shell Island  
Shivers Bay  
South Point  
Spice Key

Suncoast Keys  
The Narrows  
The Rocks  
Tiger Tail Bay  
Tiger Tail Island  
Willey Point

Approved by:



Charles E. Harrington  
Chief Geographer

DISSEMINATION OF PROJECT MATERIAL  
CM-7819  
NEW PORT RICHEY TO CEDAR KEY

National Archives/Federal Records Center

Job Completion Report

Brown Jacket:

Field Photographs

Discrepancy Prints

Photogrammetric Plot Report

Computer Listings

Tide Data

1 - 3 ring binder containing premark panelling data

Control station identification cards

1 NOAA form 76-52

Bureau Archives

Registered Map

Descriptive Report

Reproduction Division

8x reduction negative of map

Office of Staff Geographer

Geographic Names Standards

\* SVY TP-01018 \*  
\* JOB CM7819 \*  
\* PRJ 833205 \*  
\* DTM NA1927 \*  
\* RPT UNIT CMD, ROCKVILLE, MD. \*  
\* STATE FLORIDA \*  
\* LOCALITY CRYSTAL RIVER \*  
\* DATE 08/04/80 \*  
\* ORIGINATING ACTIVITY \*  
\* COMPILATION \*  
\* PAGE 1 OF 2 \*

\* OBJECTS INSPECTED FROM SEAWARD \*  
\* POSITIONS DETERMINED \*  
\* AND/OR VERIFIED BY \*  
\* FIELD AND OFFICE \*  
\* ACTIVITIES \*  
\* DAVID H. MINKEL \*  
\* DAVID H. MINKEL \*  
\* JAMES E. SCHAD \*  
\* N/A \*  
\* JAMES H. TAYLOR \*  
\* PHOTO FIELD PARTY \*  
\* FIELD REPRESENTATIVE \*  
\* OFFICE COMPILER \*  
\* DIGITIZER \*  
\* DATA PROCESSER \*

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

\* OFFICE \*  
\* 1. OFFICE IDENTIFIED AND LOCATED OBJECTS. \*  
\* THE NUMBER AND DATE (INCLUDING MONTH, DAY \*  
\* AND YEAR) OF THE PHOTOGRAPH USED TO \*  
\* IDENTIFY AND LOCATE THE OBJECT ARE SHOWN. \*  
\* EXAMPLE 75E(C)6042 \*  
\* 8-12-77 \*  
\* FIELD \*  
\* 1. NEW POSITION DETERMINED OR VERIFIED \*  
\* KEY TO SYMBOLS \*  
\* F-FIELD P-PHOTOGRAMMETRIC \*  
\* L-LOCATED VIS-VISUALLY \*  
\* V-VERIFIED \*  
\* 1-TRIANGULATION 5-FIELD IDENTIFIED \*  
\* 2-TRAVERSE 6-THEODOLITE \*  
\* 3-INTERSECTION 7-PLANETABLE \*  
\* 4-RESECTION 8-SEXTANT \*  
\* A. FIELD POSITIONS\* SHOW THE METHOD OF \*  
\* LOCATION AND DATE OF FIELD WORK. \*  
\* EXAMPLE F-2-6-L \*  
\* 8-12-76 \*

\* \*\*PHOTOGRAMMETRIC FIELD POSITIONS ARE \*  
\* OBSERVATIONS BASED ENTIRELY UPON GROUND \*  
\* SURVEY METHODS \*  
\* NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED, \*  
\* A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME. \*

\* 2. TRIANGULATION STATION RECOVERED \*  
\* WHEN A LANDMARK OR AID WHICH IS ALSO A TRI- \*  
\* ANGULATION STATION IS RECOVERED, A TRIANG. \*  
\* REC. WITH DATE OF RECOVERY IS SHOWN. \*  
\* EXAMPLE TRIANG. REC. \*  
\* 8-12-76 \*  
\* 3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH \*  
\* SHOWN BY V-VIS AND DATE. \*  
\* EXAMPLE V-VIS \*  
\* 8-12-75 \*

\* \*\*PHOTOGRAMMETRIC FIELD POSITIONS ARE \*  
\* DEPENDENT ENTIRELY, OR IN PART, UPON CONTROL \*  
\* ESTABLISHED BY PHOTOGRAMMETRIC METHODS. \*

PHOTOGRAMMETRIC BRANCH  
PHOTOGRAMMETRY DIVISIONNATIONAL OCEAN SURVEY NOAA  
DEPARTMENT OF COMMERCE USA

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* SVY IP-01018 * * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 2 OF 2 *
* JOB CM7819 * * STATE FLORIDA *
* PRJ 833205 * * LOCALITY CRYSTAL RIVER *ORIGINATING ACTIVITY*
* DTM NA1927 * * DATE 08/04/80 * COMPILATION *
*
* THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
*
* DESCRIPTION * POSITION * CMD * METHOD AND DATE *
* CHARTING* RECORD REASON FOR DELETION * LATITUDE DM ALTEK* OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN ( ) * LONGITUDE DP DGTZD* OFFICE * FIELD *AFFECTED*
*
*
* ONLY THOSE NONFLOATING AIDS AND LANDMARKS TO NAVIGATION * *
* THAT WERE VISIBLE ON THE PHOTOGRAPHY AND LOCATED DURING *
*
* BRIDGING OR COMPILATION ARE SHOWN ON THIS MAP. *
*
*
* TANK * * 28 52 00.08 2.5 NOT * 79CR0061 * V-VIS *
* * 82 39 56.89 1541.8 DGTZD* 03/26/79 * 07/08/80 * 11409 *
*
* (CRYSTAL RIVER MUNICIPAL WATER * 28 53 56.01 1724.3 NOT * IRIANG * V-VIS *
* TANK * TANK, 1933) * 82 35 28.90 783.0 DGTZD* * 07/08/80 * 11409 *
*
* TANK * * 28 49 53.31 1641.2 NOT * 79CP3458 * V-VIS *
* * 82 40 07.18 194.7 DGTZD* 10/08/79 * 07/08/80 * 11409 *
*
* TANK * * 28 47 23.38 719.8 NOT * 79CP3457 * V-VIS *
* * 82 36 20.37 552.5 DGTZD* 10/08/79 * 07/08/80 * 11409 *
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