

TP 00090

TP

TP 00090

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-00090	<i>Edition No.</i> 1
<i>Job No.</i> CM-7808	
<i>Map Classification</i> Final Field Edited	
<i>Type of Survey</i> Shoreline	
<b>LOCALITY</b>	
<i>State</i> Florida	
<i>General Locality</i> Pirate Harbor	
<i>Locality</i> Alligator Creek to Cape Haze	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 TO 19 80         </div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	

## DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEY

MAP CLASS Final

☐ REVISED

JOB RM. CM-7808

## PHOTOGRAMMETRIC OFFICE

Rockville, Md.

## OFFICER-IN-CHARGE

Cmdr. W. Simmons

## LAST PRECEDING MAP EDITION

TYPE OF SURVEY

JOB PH. \_\_\_\_\_

☐ ORIGINAL

MAP CLASS \_\_\_\_\_

☐ RESURVEY

SURVEY DATES:

☐ REVISED

19\_\_ TO 19\_\_

## I. INSTRUCTIONS DATED

## 1. OFFICE

General Instructions-Office-NOS-Cooperative  
Coastal Boundary Mapping-Job PH-7000  
9 Dec 1975  
Office - 18 Aug 1977  
Amendment I - 3 Jan 1978  
Amendment II - 7 Mar 1978

## 2. FIELD

Field Instructions - 27 Dec 1976  
11 Aug 1977  
Amendment - Field Edit Procedures  
30 Jan 1978

## II. DATUMS

## 1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

## 2. VERTICAL:

☒ MEAN HIGH-WATER  
☐ MEAN LOW-WATER  
☐ MEAN LOWER LOW-WATER  
☐ MEAN SEA LEVEL

OTHER (Specify)

Gulf Coast Low Water

## 3. MAP PROJECTION

Transverse Mercator

## 4. GRID(S)

STATE

ZONE

Florida

West

## 5. SCALE

1:20,000

STATE

ZONE

## III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	B. Thornton	Aug 1979
LANDMARKS AND AIDS BY		N/A	
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY	J. Taylor	Aug 1979
		CHECKED BY	N/A
3. STEREOSCOPIC INSTRUMENT COMPIATION	PLANIMETRY BY	N/A	
		CHECKED BY	
INSTRUMENT:	CONTOURS BY	N/A	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	J. Schad	Oct 1979
		CHECKED BY	C. Lewis
		CONTOURS BY	N/A
		CHECKED BY	
METHOD: Graphic	HYDRO SUPPORT DATA BY	N/A	
SCALE: 1:20,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	D. Brant	Nov 1979
6. APPLICATION OF FIELD EDIT DATA	BY	F. Wright	June 1980
		CHECKED BY	C. Lewis
			June 1980
7. COMPIATION SECTION REVIEW	BY	C. Lewis	Aug 1980
8. FINAL REVIEW	BY	P. Dempsey	Apr 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	May 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Apr 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. DAUGHERTY	MAY 85

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

TP-00090

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 & RC-8		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
79 CP 9945, 9946	26 Mar 79	1129	1:60,000	Inapplicable for this photography	
78 BP 8467-70	12 Nov 78	1124	1:60,000		
78 ECR 3052-55	4 Nov 78	1300	1:35,000	Refer to NOAA Form 76-36B(1) for tide data	
79 CR 9702, 9710-13	20 Mar 79	1239	1:60,000		

REMARKS

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

The source of the MHW line is the infrared photography listed in Item 1 above. See Item 31 (Delineation) in compilation report.

Where the shoreline was obscured by vegetation such as mangrove the apparent shoreline was shown.

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

The source of the GCLW is the tide coordinated infrared photography listed in Item 1 above. See Item 31 (Delineation) in Compilation Report.

## 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	EAST	SOUTH	WEST
TP-00087 - TP-00088	None	TP-00091 - TP-00092	TP-00089

REMARKS

Final junction made by Coastal Mapping Section

**TIDE - COORDINATED PHOTOGRAPHY**  
**TP - 00090**

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE	MEAN RANGE
78 CR 9702	Venice Muni Pier	-0.2 MHW	Predicted
	Englewood, Lemon Bay	Outside -0.7 MHW	Predicted
<sup>9</sup> 78-CR-9710-9713	Shell Pt. - Peace River	-1.3 MHW	"
	Punta Gorda	-1.1 MHW	"
	Matlacha Pass	-0.7 MHW	"
	Pineland Fish Camp	-1.0 MHW	"
78 ECR-3052-55	Myakka River	+0.18 GCLW	Observed
	Matlacha Pass	+0.30 GCLW	"

REMARKS:

## HISTORY OF FIELD OPERATIONS TP-00090

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATIONUnder letter dated 1/30/78  
and 2/13/80 from C34

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J.D. Di Mare	
2. HORIZONTAL CONTROL	RECOVERED BY 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	J.D. Di Mare May 1980
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	J.D. Di Mare May 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

78-ECR-3052; 3054; 79CR9710, 9712

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

## RECORD OF SURVEY USE

TP-00090

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline	7/15/80	Forwarded		8/12/80
Class I		Chart Maintenance	8/20/80	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

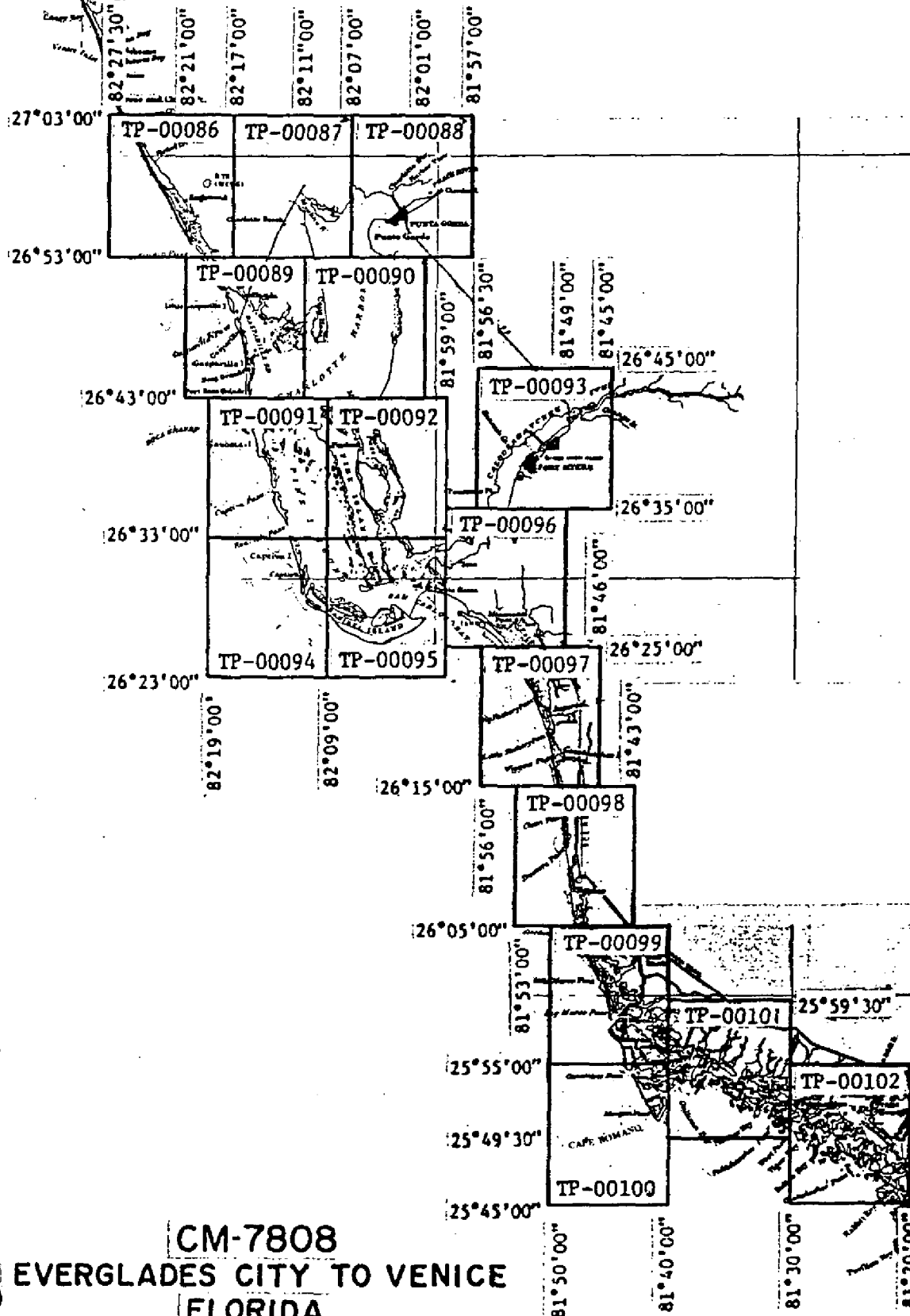
## III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 76-40 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:  
Tide 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	

Joins Job CM-7717



CM-7808  
EVERGLADES CITY TO VENICE  
FLORIDA  
SHORELINE MAPPING  
SCALE 1:20,000



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

Coastal Zone Map TP-00090 is one of seventeen 1:20,000 scale maps in project CM-7808. 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-7808 shows the location of the individual maps from Everglades City to Venice, Florida. A copy of the layout is included in this Descriptive Report.

Field operations consisted of premarking horizontal control, photographing the area, establishing tidal datums, and performing field edit.

Compilation photography was taken with the Wild RC-10-B & C cameras which consisted of 1:60,000 Scale photographs taken in November, 1978 and March, 1979 and the Wild RC-8-E camera with 1:20,000 scale color photographs taken in October and November, 1978. This photography was used to set stereo models, to delineate cultural features and to locate landmarks and aids to navigation. The shoreline was compiled using 1:60,000 scale black and white infrared MHW photography taken with the Wild RC-10-C camera in November 1978 and March 1979 and 1:35,000 scale color GCLW photography taken with the Wild RC-8-E camera in November 1978.

The Aerotriangulation Unit in Rockville, Maryland bridged nine strips of 1:60,000 scale photography using aerotriangulation methods.

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

Field edit was completed in June, 1980. All known landmarks and aids to navigation were located and the compilation verified.

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 April 1985. This map meets the requirements for National Standards for Map Accuracy.



Photogrammetric Plot Report  
Everglades City to Venice, Florida  
CM-7808

21. Area Covered

The area covered by this report extends from Horse and Chrise Pt. down to Rabbit Key which is below Everglades City. This area is covered by 17 sheets at a scale of 1:20,000 (TP-0086 to TP-00102).

22. Method

Nine 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. Tie points were used in all strips to insure an adequate junction of all strips during the strip adjustments. Ratio photos of compilation photography were ordered.

23. Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for its intended use. One exception was point 449100 (Hurry, 1955), which was located on Strips 3 and 5. This point has apparently been moved between the time of flights from 11/78 to 3/79.

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*

Brian Thornton

Approved and Forwarded:

*Don O. Norman*

Don Norman  
Chief, Aerotriangulation Section

Accuracy of Control  
CM-7808

<u>Strip 1</u>	<u>Station</u>	<u>Error</u>	
		x	y
	354100	-.001	-.001
	357101	.001	.001
	364101	-.010	-.008
<u>Strip 2</u>			
	427101	.001	-.001
	429101	.002	-.001
	434100	-.011	.007
<u>Strip 3</u> (Part 1)			
	434100	-.358	-.943
	433801	.971	1.514
	447101	-1.549	-.752
	450161	.936	.179
<u>Strip 3</u> (Part 2)			
	450101	-.499	-.729
	453100	2.621	.061
	454101	-2.690	-.316
	364101	.567	.985
<u>Strip 4</u>			
	453100	-.152	-.365
	468101	.106	1.228
	427101	-.180	-1.157
	475101	.229	.313
<u>Strip 5</u>			
	944803	-.504	.703
	945802	.222	-1.519
	429801	.570	1.290
	429101	-.288	-.473

Strip 6

450101	-.594	.178
453100	1.202	-.105
886100	.385	.107
833101	-.989	-.183

Strip 7  
(Part 1)

923100	-.003	-.004
894100	.011	.007
929101	1.672	-2.016
929102	-1.680	2.018

Strip 7  
(Part 2)

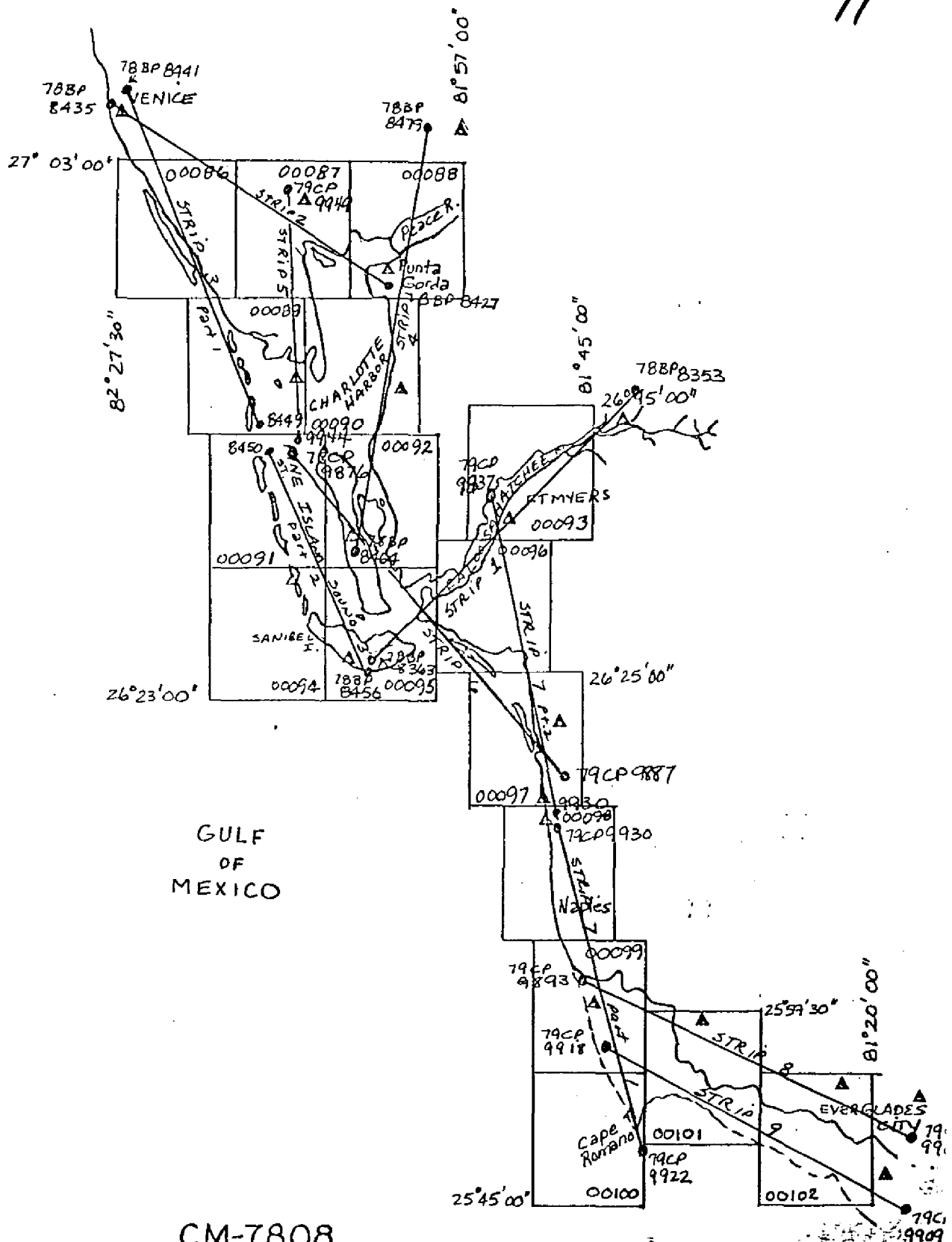
930101	-1.275	.156
886100	3.121	.402
885803	-2.103	-.596
357101	.258	.038

Strip 8

894100	.824	1.078
897100	-2.571	-1.962
900123	-.675	.940
903100	1.506	-3.505

Strip 9

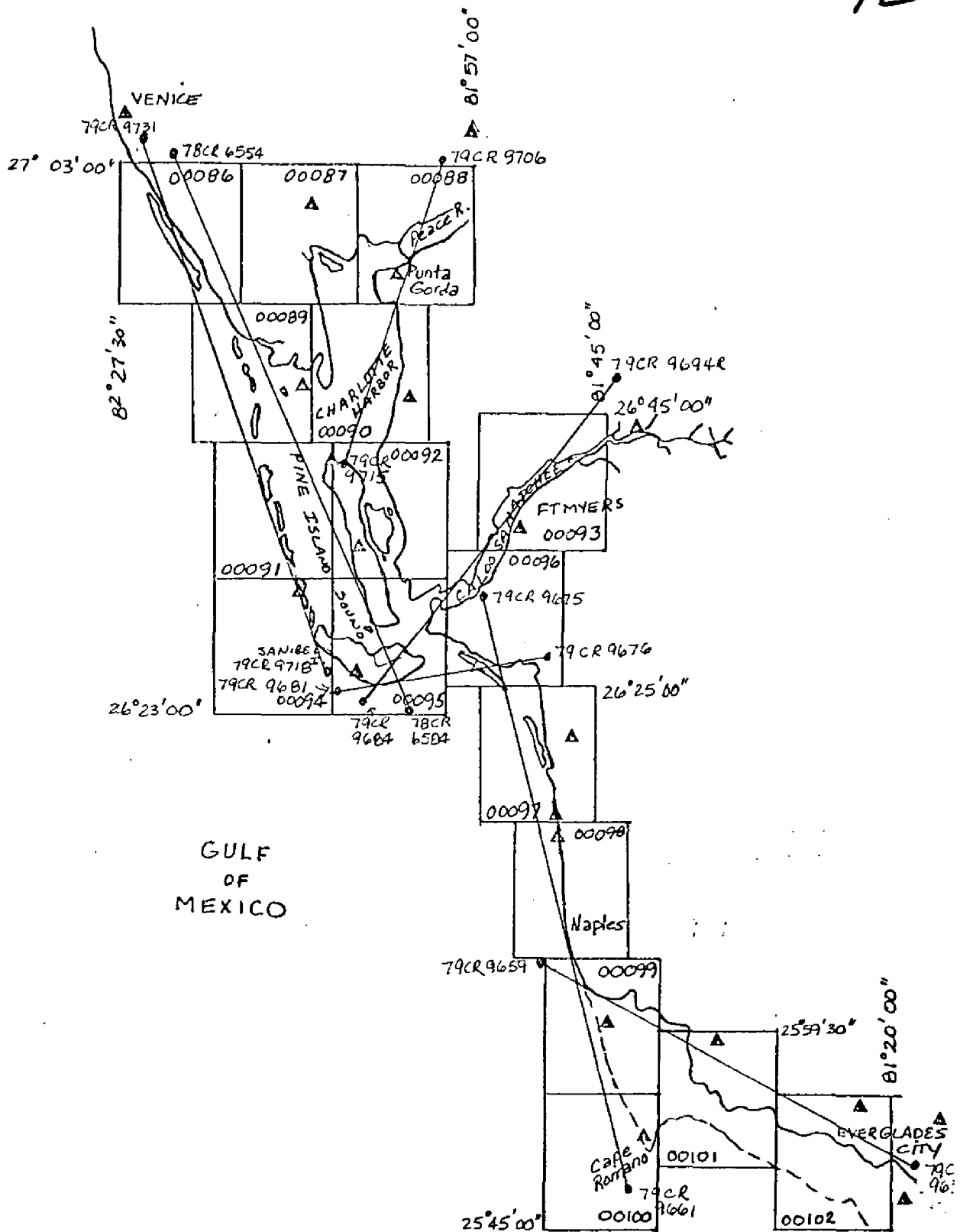
909100	-.105	-.656
914801	-.264	3.452
896802	.015	-4.492
894100	.352	1.697

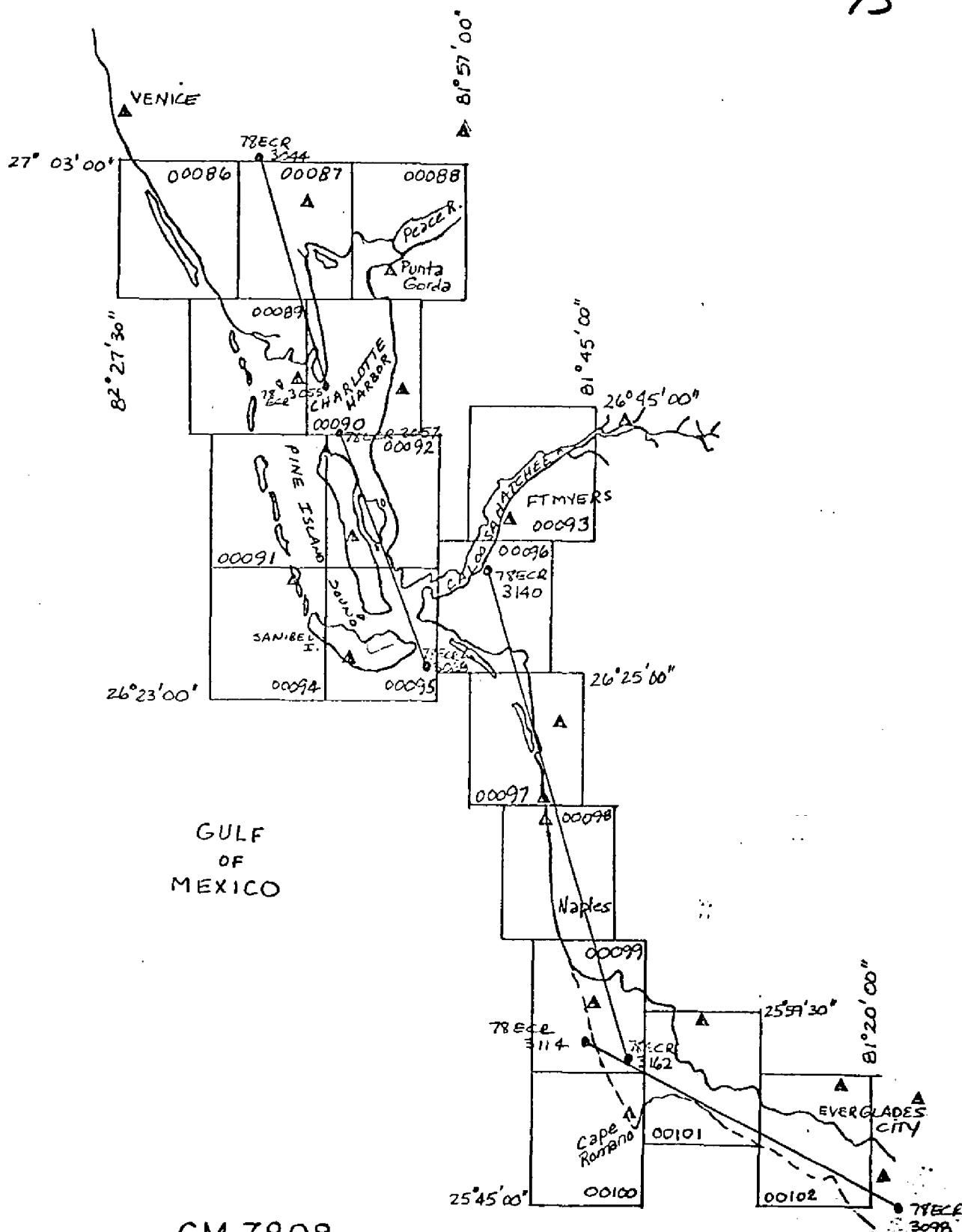


CM-7808  
EVERGLADES CITY TO VENICE  
FLORIDA

BRIDGING PHOTOGRAPHY

1:60,000 B+W





CM-7808  
 EVERGLADES CITY TO VENICE  
 FLORIDA

INFRARED PHOTOGRAPHY

MLW  
 COLOR 1:35,000





## Compilation Report

TP-00090

November 1979

31. Delineation

The MHW line on the west side of the map from Forty Acre Pond to Gallagher Keys, was delineated by graphic methods using the rectified panchromatic photography and interpretation of the GCLW tide coordinated infrared photography.

The east side of the map from Alligator Creek south to the sheet limits was delineated using the MHW infrared photography.

32. Control

Horizontal control was adequate. (Refer to Photogrammetric Plot Report)

33. Supplemental Data

A sketch of tide station Turtle Bay (872-5665) was furnished by the Tide and Water Level Section.

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from office interpretation of the infrared photography.

35. Shoreline and Alongshore Details

The panchromatic and infrared photography was adequate for the delineation of the shoreline and ~~see~~ alongshore detail. (Refer to Item 31.)

36. Offshore Details

Offshore delineation consisted of shallow and shoal areas in Charlotte Harbor.

37. Landmarks and Aids

No landmarks were located. Three aids were shown on this map that have 1955 triangulation positions. The Light List indicates these aids were rebuilt in the 1970's. The field editor will be asked to verify the above. *Deleted per forms 76-96 from field editor.*

38. Control for Future Surveys - None

39. Junctions

Refer to Form 76-36B.

40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable

46. Comparison with Existing Maps

Comparison was made with existing maps:

El Jobean, Fla., 1957 Photo Revised 1972, Scale 1:24,000

Punta Gorda, Fla., 1957 Photo Revised 1972, Scale 1:24,000

Bokeelia, Fla., 1958 Photo Revised 1972, Scale 1:24,000

Punta Gorda, Fla., 1957 Photo Revised 1972, Scale 1:24,000

Punta Gorda SE, Fla., 1956 Photo Revised 1972, Scale 1:24,000

Matlacha, Fla., 1958 Photo Revised 1972, Scale 1:24,000

47. Comparison with Existing Nautical Charts

11426 22nd Edition, March 31, 1979, Scale 1:80,000

Submitted by,

*James Schad*

James Schad

Approved and Forwarded:

*Frank Wright*

F. Wright  
Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00090, JOB CM-7808

51. METHODS

Field edit was performed under instructions dated 1/30/78 and 2/13/80 from Chief, Coastal Mapping Division, Rockville, Maryland.

The shoreline was inspected from a small boat while cruising just off shore, by truck and by walking where necessary.

Field edit notes will be found on the photographs and discrepancy print.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted: 6/3/80

*Joseph D. Di Mare*  
Joseph D. Di Mare  
Chief, Photo Party 66

## REVIEW REPORT

APRIL 1985

61. General Statement

Refer to the Summary bound with this Descriptive Report.

62. Comparison with Registered Topographic Surveys - None63. Comparison with Maps of Other Agencies

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

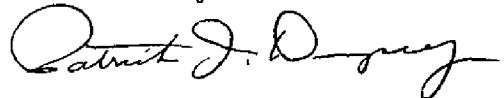
64. Comparison with Contemporary Hydrographic Surveys - None65. Comparison with Nautical Charts

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

66. Adequacy of Results and Future Surveys

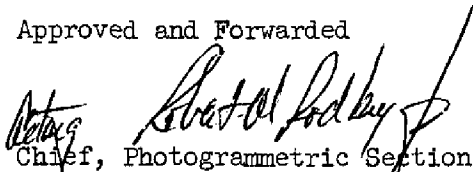
This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:

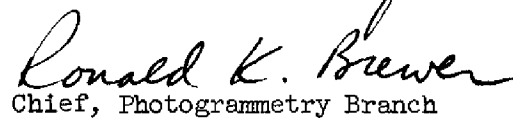


Patrick J. Dempsey  
Final Reviewer

Approved and Forwarded



Chief, Photogrammetric Section



Chief, Photogrammetry Branch

August 1, 1978

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GEOGRAPHIC NAMES

FINAL NAME SHEET

Everglades City to Venice, Florida

TP-00090

Alligator Creek

Bear Branch

Big Mound Creek

Blacks Island

Buchan Pass

Cape Haze

Cape Haze Bay

Cape Haze Reef

Cash Mound

Charlotte Harbor

Cockroach Mound

Cormorant Key

Cotton Key

Crow Key

Fines Key

Gallagher Keys

Halfway Point

Hog Branch

Island Bay NWR

John Quiet Lakes

John Quiet Mound

Key Point

Pirate Harbor

Redfish Key

Roberts Island

Rock Creek

Silcox Key

Sister Ponds Creek

Sister Ponds

Terrapin Key

The Cutoff

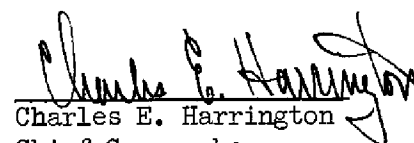
Turtle Bay

Whidden Branch

Winegourd Creek

Yucca Pen Creek

Approved by:

  
Charles E. Harrington  
Chief Geographer

DISSEMINATION OF PROJECT MATERIAL

CM-7808

EVERGLADES CITY TO VENICE, FLORIDA

National Archives/Federal Records Center

Job Completion Report

Brown Jacket:

Field Photographs

Discrepancy Prints

Photogrammetric Plot Report

Tide Data

NOAA Forms 76-40

NOAA Form 76-109

Three ring binder containing Control

Identification Cards and Field

Computations

Bureau Archives

Registered Map

Descriptive Report

Reproduction Division

8x Reduction Negative of Map

Office of Staff Geographer

Geographic Names Standard

