

TP 00097

TP 00097

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
Map No. TP-00097	Edition No. 1
Job No. CM-7808	
Map Classification Final Field Edited	
Type of Survey Shoreline	
LOCALITY	
State Florida	
General Locality Bonita Shores	
Locality Estero Island to Naples Park	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 TO 1980 </div>	
REGISTRY IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEY

MAP CLASS Final

☐ REVISED

JOB PHCM-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

Florida

ZONE

West

5. SCALE

1:20,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

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

COMPILATION SOURCES

TP-00097

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8 and RC-10		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	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
				MERIDIAN 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
78 ECR 3145-51	5 Nov 78	1141	1:35,000	See NOAA Form 76-36B(1)	
79 CR 9670-72	20 Mar 79	1132	1:60,000		
79 CP 9885-86	26 Mar 79	0955	1:60,000	N/A	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the infrared photography listed in Item 1. above. Where the shoreline is obscured by vegetation, such as mangrove, the apparent shoreline was shown.

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

No GCLW shown on this map.

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-00096	EAST None	SOUTH TP-00098	WEST None
-------------------	--------------	-------------------	--------------

REMARKS

Final junction made by Coastal Mapping Sections

TIDE - COORDINATED PHOTOGRAPHY
TP - 00097

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
78 ECR 3145-51	Little Hickory Bay (inside)	-0.04 MHW +0.51 GCLW	Observed
	Wiggins Pass (inside)	-1.48 MHW +0.55 GCLW	Observed
79 CR 9670-72	Naples City Pier (outside)	-1.05 MHW	Observed
	Wiggins Pass (inside)	-1.05 MHW +0.94 GCLW	Observed
	Little Hickory Island (inside)	-1.3 MHW +1.2 GCLW	Predicted

REMARKS:

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	7-2-80
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	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	T. C. Hall
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	7-2-80

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)

79 CP 9885, 9886

79 CR 9670, 78 ECR 3151

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-00097

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class I		Maintenance Print	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: _____

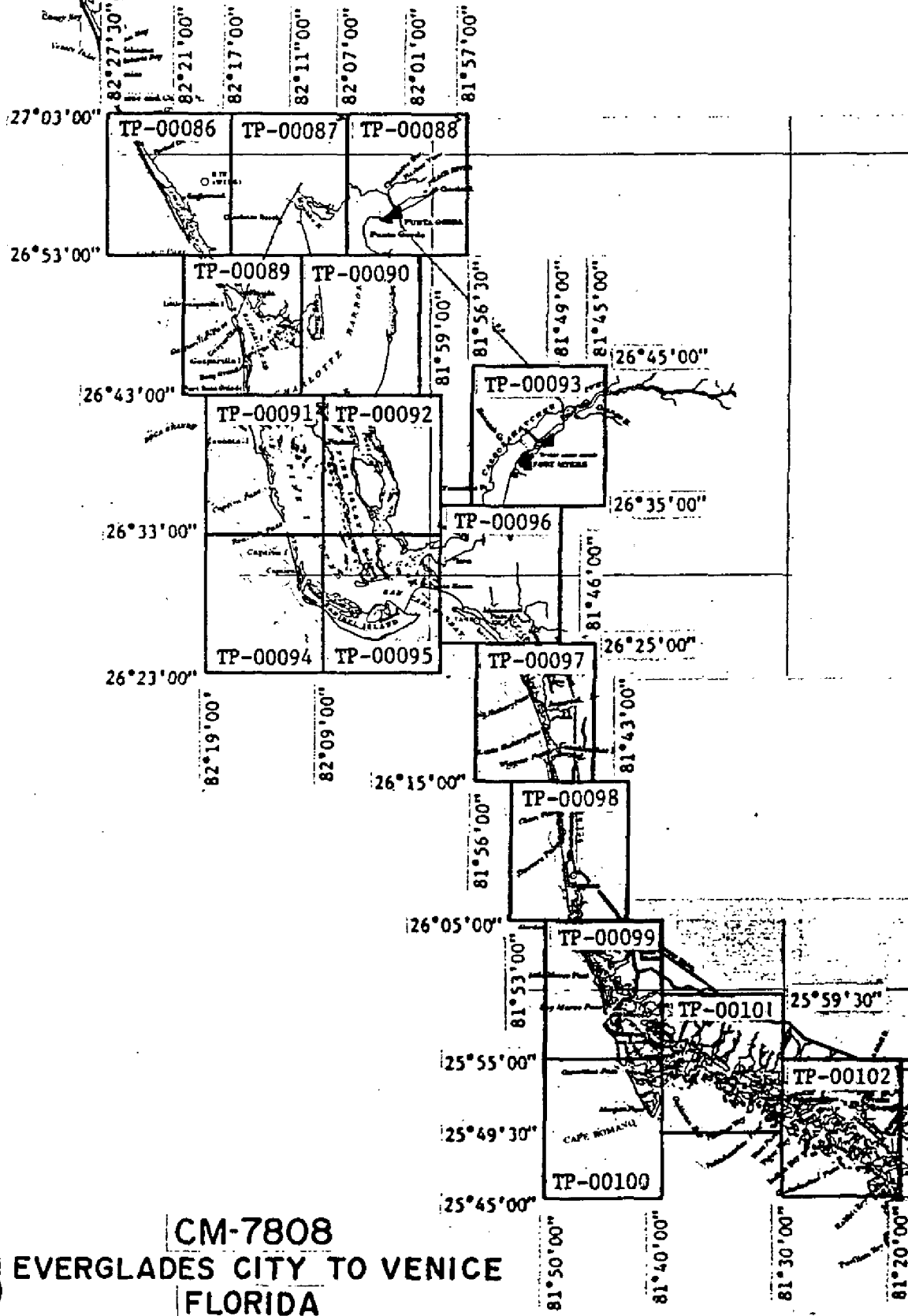
III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 76-40 ~~76-10~~ 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 MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

Joins Job CM-7717



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

Coastal Zone Map TP-00097 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 July, 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 May, 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.

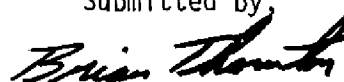
24. Supplemental Data

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

25. Photography

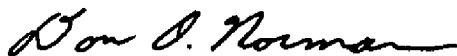
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,



Brian Thornton

Approved and Forwarded:



Don Norman
Chief, Aerotriangulation Section

Accuracy of Control
CM-7808

<u>Strip</u>	<u>Station</u>	<u>Error</u>	
		x	y
<u>Strip 1</u>			
	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)

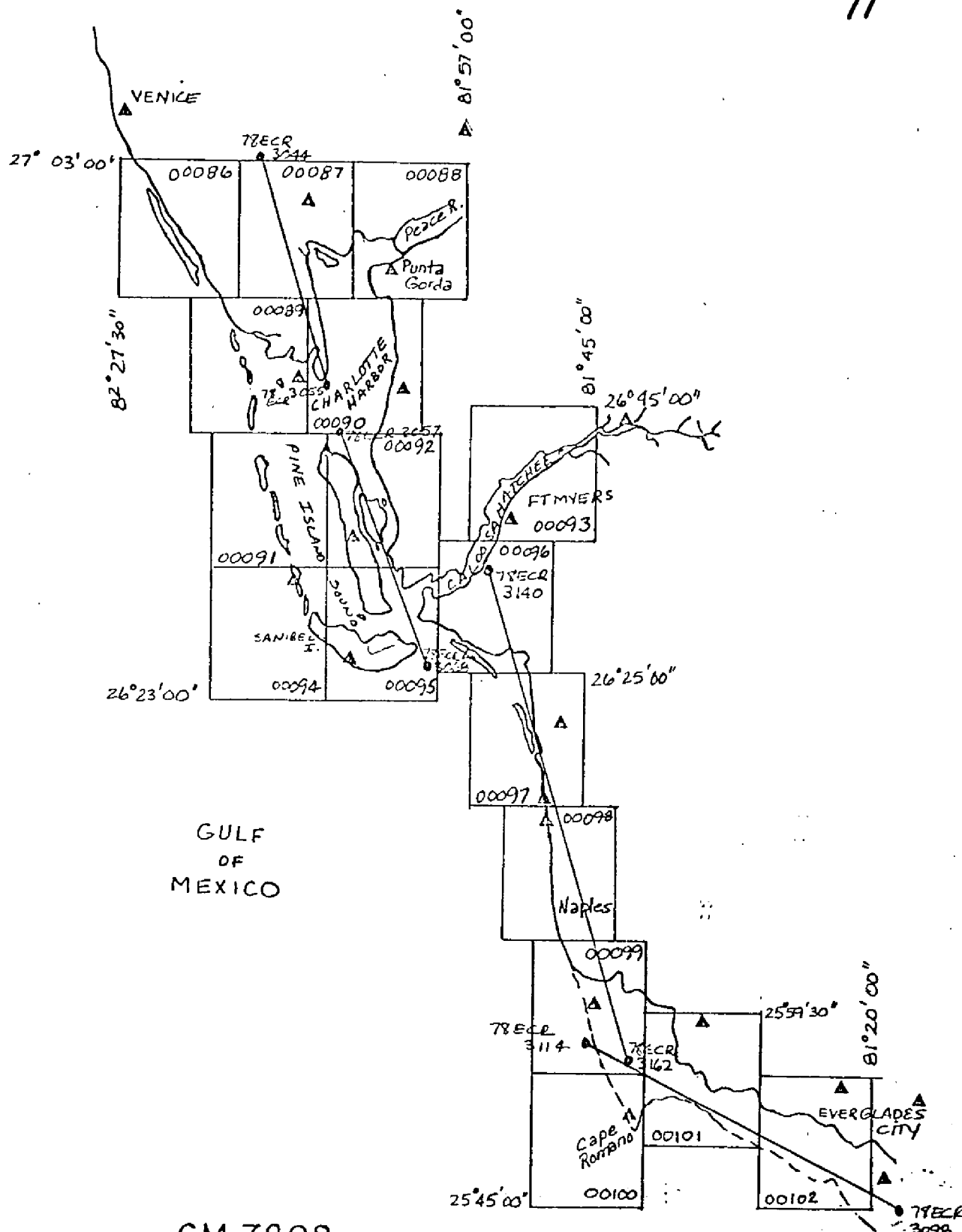
930101	-1.275	.156
886100	3.121	.402
885803	-2.103	-.596
357101	.258	.038

Strip 8

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

Strip 9

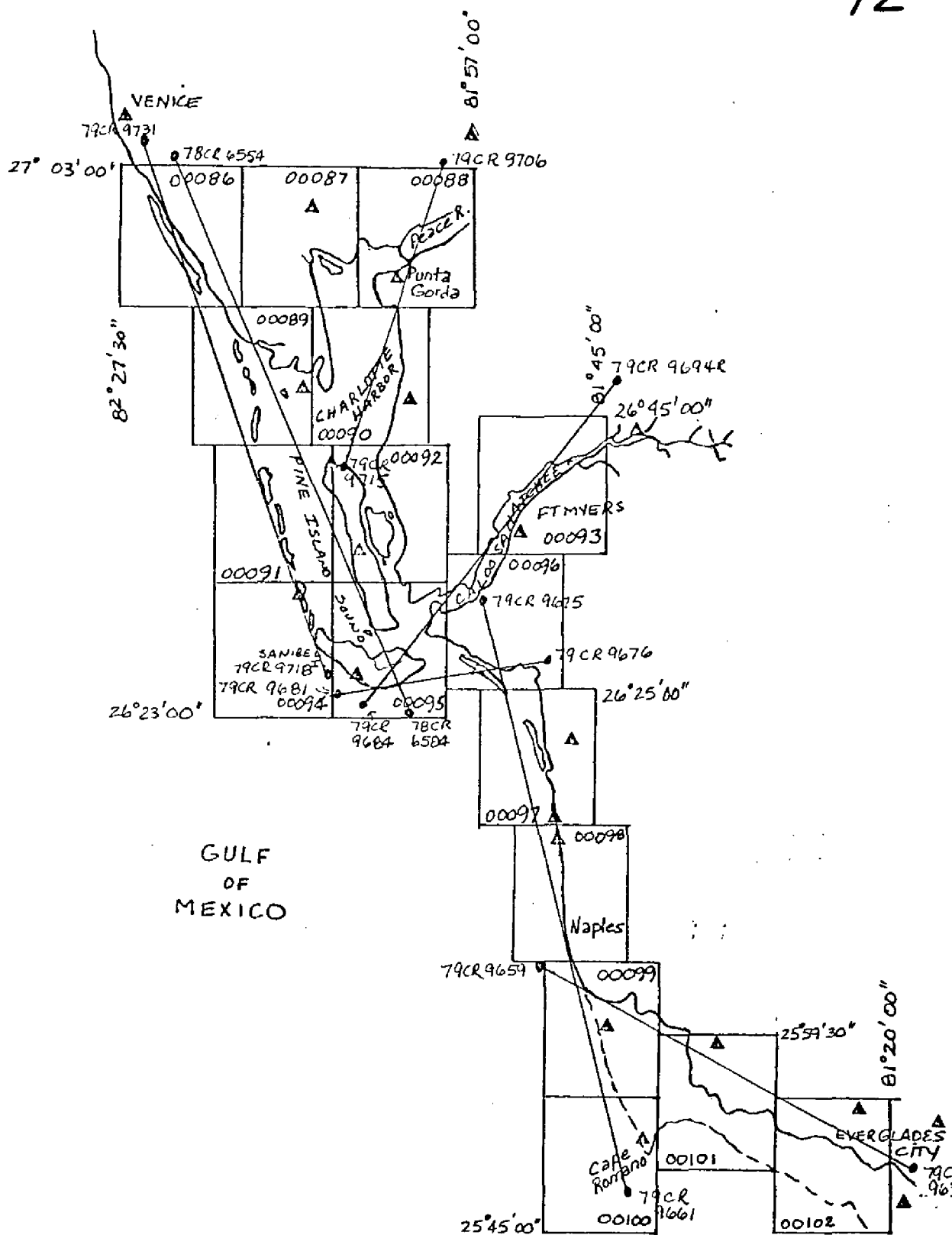
909100	-.105	-.656
914801	-.264	3.452
896802	.015	-4.492
894100	.352	1.697



CM-7808
 EVERGLADES CITY TO VENICE
 FLORIDA

INFRARED PHOTOGRAPHY

MLW
 COLOR 135,000



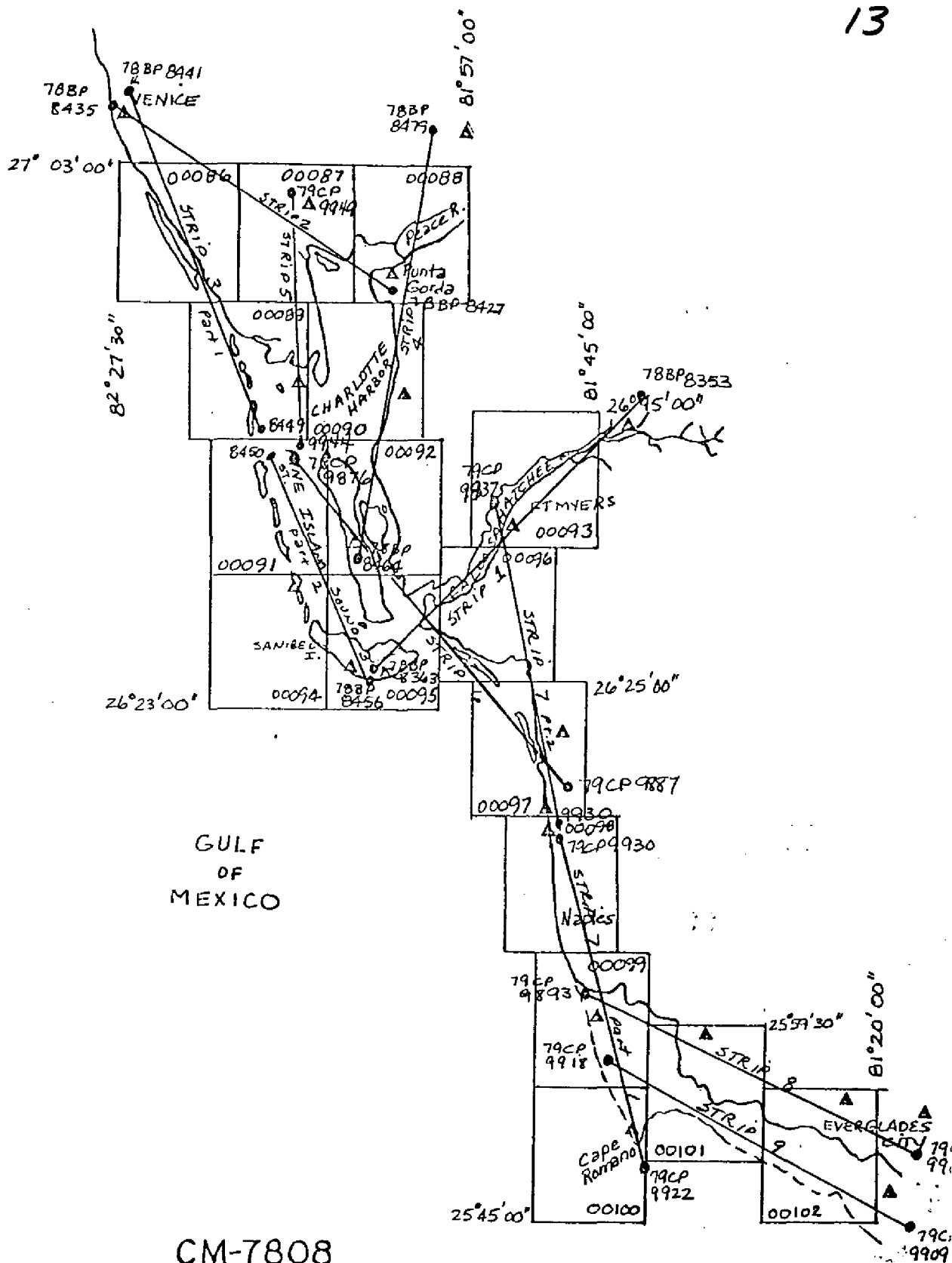
CM-7808
EVERGLADES CITY TO VENICE
FLORIDA

INFRARED PHOTOGRAPHY

M H W

 $B + W$

160,000



CM-7808
EVERGLADES CITY TO VENICE
FLORIDA

BRIDGING PHOTOGRAPHY

1:60,000 B+W

Compilation Report

TP-00097

January 1980

31. Delineation

All alongshore cultural features and interior planimetry on this map were delineated by graphic compilation using rectified prints of the panchromatic photography and the rectified black-and-white prints of the infrared photography.

The MHW line was compiled from the rectified infrared photography and the color infrared photography.

No GCLW line was shown on this map. At this map scale the MHW line and the GCLW line cannot be differentiated. The channel areas shown on this map were taken from the color infrared photography.

32. Horizontal Control

Horizontal control was adequate (See Photogrammetric Plot Report).

33. Supplemental Data

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

34. Contours and Drainage

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

35. Shoreline and Alongshore Details

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

36. Offshore Delineation - None

37. Landmarks and Aids

There were no landmarks or nonfloating aids located on this map.

38. Control for Future Surveys - None

39. Junctions

Refer to NOAA Form 76-36B, Item 5.

40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Fort Myers Beach, Fla., 1958 Photorevised 1972, Scale 1:24,000				
Bonita Springs, Fla., 1958	"	"	"	"
Estero, Fla., 1958	"	"	"	"

47. Comparison with Nautical Charts


Chart 11426 22nd Edition, March 31, 1979, Scale 1:80,000
Chart 11427 17th Edition, August 25, 1979, Scale 1:40,000
Chart 11430 11th Edition, May 26, 1979, Scale 1:40,000

Submitted by,



James E. Schad

Approved and Forwarded:



For: F. Wright
Chief, Coastal Mapping Section

FIELD EDIT REPORT
TP 00097 CM 7808

METHOD

The field edit was made according to the Coastal Mapping Instructions dated 1-30-78. All shoreline was classified. The manuscript was inspected and all questions answered. The field edit was made by driving to some of the areas in question and from a skiff run close to shore. One discrepancy print and four photos, numbered 79 CP 9885, 9886, 79 CR 9670 and 78 ECR 3151, were used.

ACCURACY OF COMPILATION

Adequate after application of field edit information.

GEOGRAPH NAMES

N/A

MANUSCRIPT ACCURACY

N/A

RECOMMENDATIONS

None

NAVIGATION

None

TRANSMITTAL OF DATA

All data sent to Coastal Mapping Division, Norfolk, Va.

Thomas C. Hall

Thomas C. Hall

Photo Party 62

REVIEW REPORT

MAY 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.

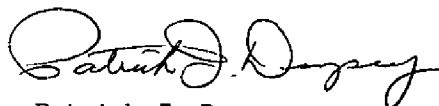
64. Comparison with Contemporary Hydrographic Surveys - None65. Comparison with Nautical Charts

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

66. Adequacy of Results and Future Surveys

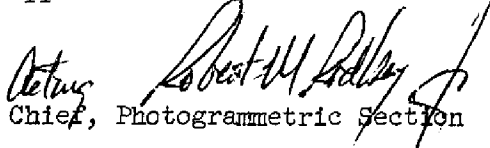
This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:



Patrick J. Dempsey
Final Reviewer

Approved and Forwarded



Chief, Photogrammetric Section



Chief, Photogrammetry Branch

19
August 2, 1978

GEOGRAPHIC NAMES

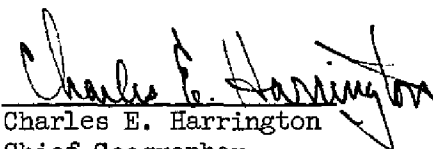
FINAL NAME SHEET

Everglades City to Venice, Florida

TP-00097

Big Carlos Pass	Goombs Point
Big Hickory Island	Gulf of Mexico
Big Hickory Pass	Hogue Channel
Black Island	Imperial River
Bonita Beach	Little Davis Key
Bonita Shores	Little Hickory Bay
Bonita Springs	Long Key
Broadway Channel	Lovers Key
Carlos Point	Monkey Joe Key
Charlie Key	Naples Park (Ppl)
Cocohatchee River	New Pass
Coconut	Oak Creek
Coon Key	Ostego Bay
Council	Palm River Estates
Davis Key	Seaboard Coast Line (RR)
Estero Bay	Spring Creek
Estero Island	Vanderbilt Beach (Ppl)
Fish Trap Bay	Wiggins Pass

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

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 Review.

[illegible]