

NOAA FORM 76-35
(3-76)

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

DESCRIPTIVE REPORT

<i>Map No.</i> TP-00991	<i>Edition No.</i> 1
<i>Job No.</i> CM-7717	
<i>Map Classification</i> Final Field Edited	
<i>Type of Survey</i> Shoreline	
LOCALITY	
<i>State</i> Florida	
<i>General Locality</i> ASarasota Bay	
<i>Locality</i> Longboat Key	
<div style="border: 1px solid black; padding: 5px; text-align: center;">19 TO 19 77</div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> SURVEY TP. <u>00991</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final field edited</u> JOB <u>PH-CM-7717</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00991</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final field edited</u> JOB <u>PH-CM-7717</u>		
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PHOTOGRAMMETRIC OFFICE Rockville, Md.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEDING MAP EDITION </td> </tr> <tr> <td style="width:50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		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__
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. J. Collins							
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
General Instructions-Office-NOS Cooperative Coastal Boundary Mapping - Job PH-7000 9 December 1975 Office - 18 August 1977 Amendment I - 3 January 1978 Amendment II - 7 March 1978		Field Instructions - 27 December 1976 11 August 1977 Amendment - Field Edit Procedures 30 January 1978					
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) _____					
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) Gulf Coast Low Water					
3. MAP PROJECTION Transverse Mercator		4. GRID(S) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE Florida</td> <td style="width:50%;">ZONE West</td> </tr> </table>		STATE Florida	ZONE West		
STATE Florida	ZONE West						
5. SCALE 1:10,000		STATE _____ ZONE _____					
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
1. AEROTRIANGULATION BY <u>K. Baker</u> METHOD: Analytic LANDMARKS AND AIDS BY <u>N/A</u>			<u>June 1978</u>				
2. CONTROL AND BRIDGE POINTS PLOTTED BY <u>J. Taylor</u> METHOD: Coradomat CHECKED BY <u>N/A</u>			<u>Oct 1978</u>				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY <u>N/A</u> COMPILATION CHECKED BY _____ INSTRUMENT: _____ CONTOURS BY <u>N/A</u> SCALE: _____ CHECKED BY _____							
4. MANUSCRIPT DELINEATION PLANIMETRY BY <u>P. Dempsey</u> CHECKED BY <u>C. Lewis</u> METHOD: Graphic CONTOURS BY <u>N/A</u> CHECKED BY _____ SCALE: 1:10,000 HYDRO SUPPORT DATA BY <u>N/A</u> CHECKED BY _____			<u>Jan 1979</u> <u>Feb 1979</u>				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY <u>C. Lewis</u>			<u>Feb 1979</u>				
6. APPLICATION OF FIELD EDIT DATA BY <u>F. Wright</u>			<u>May 1979</u>				
CHECKED BY <u>C. Lewis</u>			<u>May 1979</u>				
7. COMPILATION SECTION REVIEW BY <u>P. Dempsey</u>			<u>May 1979</u>				
8. FINAL REVIEW BY <u>P. Dempsey</u>			<u>Feb 1985</u>				
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY _____							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY <u>P. Dempsey</u>			<u>Feb 1985</u>				
11. MAP REGISTERED - COASTAL SURVEY SECTION BY <u>R. Kohnsperger</u>			<u>Apr 1 1985</u>				

COMPILATION SOURCES

TP-00991

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8(E & K)		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) PANCHROMATIC (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
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
77 E(C) 4372 - 4374	13 Oct 77	1432	1:30,000	N/A	
77 K(R) 0751, 0752	14 Oct 77	0850	1:30,000	Refer to 76-36 B(1) for tide information	
77 K(R) 0901 - 0903	14 Oct 77	1327	1:30,000		

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide coordinated black and white infrared photography listed in item 1 above.

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

The source of the GCLW line on the Gulf of Mexico is the tide coordinated infrared photography listed in item 1 above. There is no GCLW line in the interior waters. The infrared photography available at the time of compilation did not meet accuracy standards.

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-00989 & TP-00990	TP-00992	N/A	N/A

REMARKS

Final junctions were made in the Coastal Mapping Section.

HISTORY OF FIELD OPERATIONS TP-00991

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION Under ltr. dtd. 1/30/78 fr.
Chief, Coastal Mapping

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY (Acting)	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	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Apr 79
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N/A

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)

77E-4372 & 4374

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-00991

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class I		Chart Maintenance Print	Nov 1979	

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 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:
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	

~~MANATEE COUNTY~~
~~SARASOTA COUNTY~~

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

Coast Zone Map TP-00991 is one of eleven 1:10,000 scale maps in project CM-7717. 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-7717 shows the location of the individual maps from Venice to Passage Key Inlet, 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-8-E camera which consisted of 1:30,000 scale color photographs taken in October, 1977. 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 1:30,000 scale black and white infrared MHW and GCLW photography taken with the Wild RC-8-K camera in October 1977.

The Aerotriangulation Unit in Rockville, Maryland bridged two strips of 1:60,000 scale photography and one strip of 1:30,000 scale photography, using analytic Aerotriangulation methods.

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

Field edit was completed in May 1979. All known landmarks and aids to navigation were located or 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 February 1985. This map meets the requirements for National Standards for Map Accuracy.

Photogrammetric Plot Report
Venice to Passage Key Inlet and Manatee River

CM-7717

June, 1978

Area Covered

The area covered by this report is from Venice, Florida, north to Passage Key Inlet, just south of Tampa Bay. It extends eastward down the Manatee River. The area falls on Nautical Chart 11425.

Method

Three strips, two bridging at 1:60,000, and one compilation at 30,000, were measured by analytic aerotriangulation methods. The three strips of photography were controlled by field and office identified control. The 1:30,000 strip was bridged due to a need for eastward photo coverage.

Tie points were used on all strips to insure an adequate junction during strip adjustments. Tie points from Strip 8(1:60,000) were used to control Strip 30 (1:30,000), due to lack of field identified stations in that area.

Compilation photography was 1:30,000 scale, and compilation points were drilled by Compilation Section.

Adequacy of Control

There was a lack of field identified control in the area of Strip 30. The station, Whitfield Estates Tank, was difficult to locate, identify and measure. The field men used stations such as driveway intersections, trees because there were few places to place panels. This type of point is not very accurate at 1:60,000. The lack of panels and the poor quality of the other stations had a definite influence on the residual error in the strip adjustments.

Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments. Nautical charts were used to help identify aids to navigation and landmarks.

Photogrammetric Plot Report
Venice to Passage Key Inlet and Manatee River
CM-7717
Page 2

Photography

The coverage and quality of the photography were adequate for the job. The end lap on Strip 9(1:60,000), due to crab, was minimal and made measuring pass points on that strip difficult.

Approved and Forwarded By:

Don O. Norman

Don O. Norman

Submitted by:

Karin H. Baker

Karin H. Baker

CONTROL USED IN STRIP ADJUSTMENTS

STRIP 9

ERROR

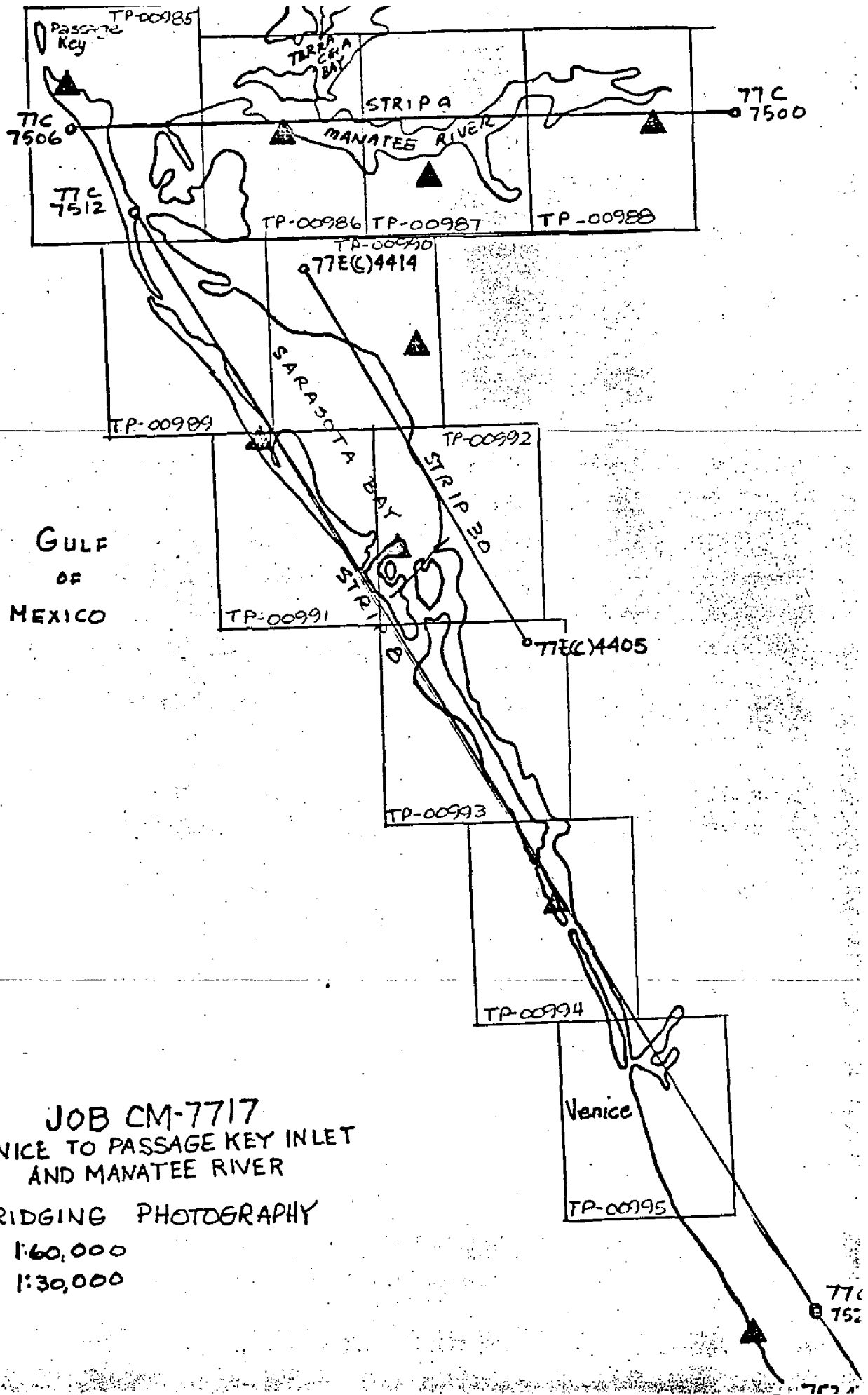
	<u>X</u>	<u>Y</u>
501100	-.463	.017
528101	-1.363	1.167
505101	.276	-.245

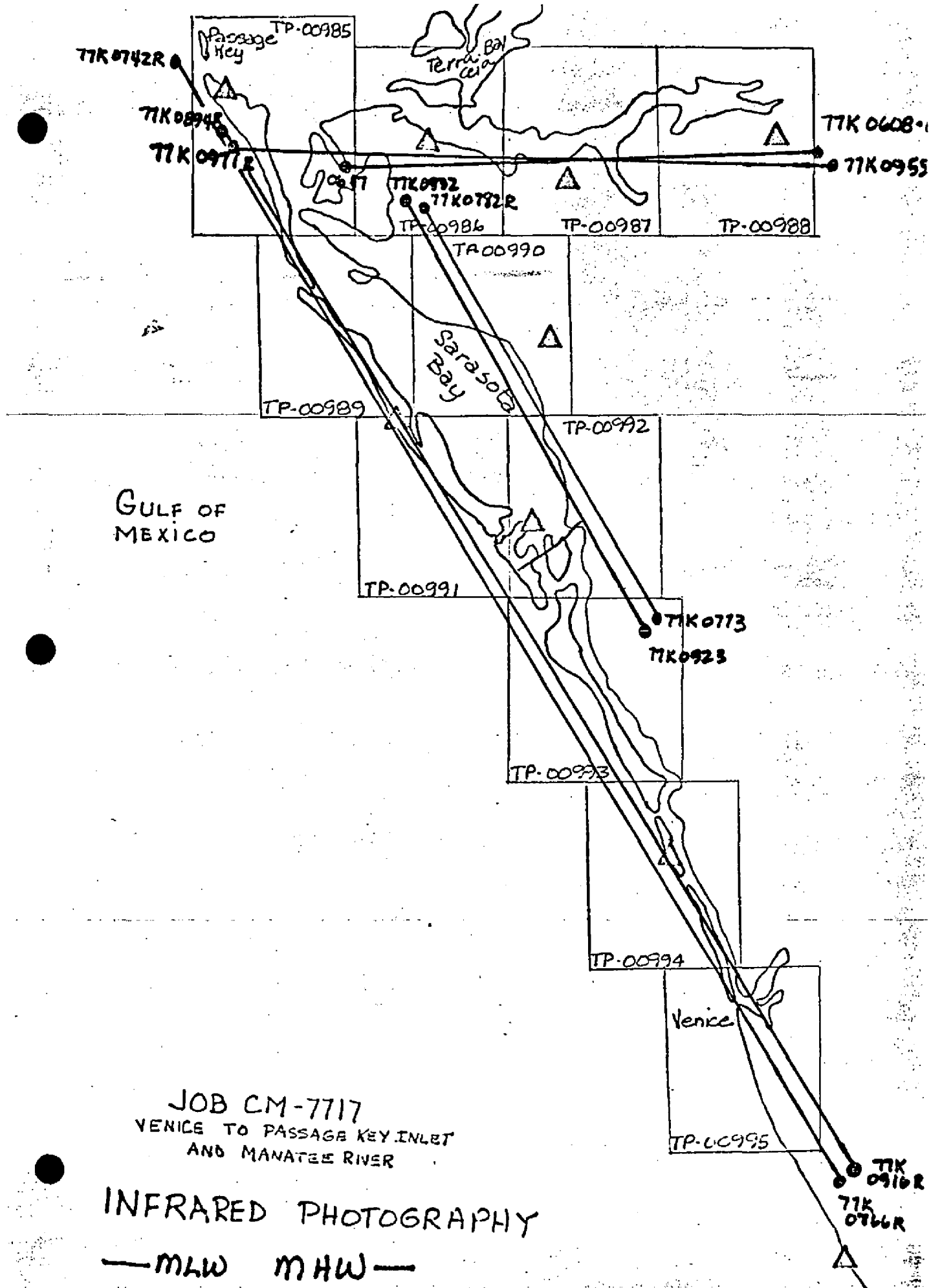
STRIP 8

505803	-3.089	-1.499
514101	5.103	1.058
515100	.896	2.392
518101	-4.085	-2.435
523102	1.178	.480

STRIP 30

517801	.501	-.144
516801	-4.413	-3.387
407110	3.505	4.966
409174	4.077	3.828
515801	-1.310	-3.637
514801	-3.688	-4.111
513802	1.328	2.486





COMPILATION
TP-00991

January 1979

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 1:30,000 scale color photography. This photography was controlled by map points determined by aerotriangulation and was used for compiling shoal and shallow areas.

The MHW line or apparent shoreline was compiled from office interpretation of rectified, tide-coordinated, black-and-white infrared photography which was controlled by common detail compiled from rectified prints.

32. Horizontal Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data

A field sketch was furnished by Tides and Currents to locate a tide station.

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from office interpretation of rectified, tide-controlled, black-and-white infrared photography.

35. Shoreline and Alongshore Detail

Office interpretation of the tide-coordinated, black-and-white infrared photography was adequate for delineating the MHW line and the GCLW line on the Gulf coast. No GCLW was shown on the Bay side.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

No landmarks or aids to navigation were located on this map.

38. Control for Future Surveys

None

39. Junctions

Refer to Form 76-36B

40. Horizontal and Vertical Accuracy

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

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quadrangle maps:

Bradenton Beach, Fla., 1969
Sarasota, Fla., 1973
Bradenton, Fla., 1969

47. Comparison with Nautical Charts

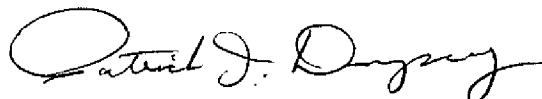
Comparison was made with the following nautical charts:

11425 - July 15, 1978 - 1:40,000
11424 - February 14, 1976 - 1:80,000

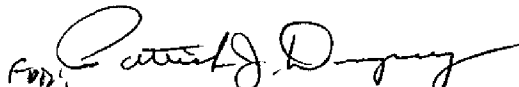
Items to be applied to Nautical Charts immediately - None

Items to be carried forward - None

Submitted by:


P. J. Dempsey
Cartographer

Approved and Forwarded:


F. Wright
Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00991, JOB CM-7717

51. METHODS

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

The shoreline was inspected from a small boat while cruising just off shore.

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: 4/25/79

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

REVIEW REPORT

FEBRUARY 1985

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

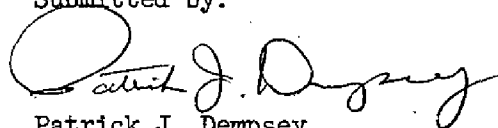
65. Comparison With Nautical Charts

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
Final Reviewer

Approved and Forwarded:



Chief, Photogrammetric Section



Chief, Photogrammetry Branch

September 15, 1979

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7717 (Venice to Passage Key Inlet, Florida)

TP-00991

Bishops Point

Buttonwood Harbor

Cranes Bayou

Gulf of Mexico

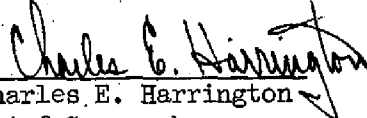
Lido Key

Longboat Key

New Pass

Sarasota Bay

Approved by:


Charles E. Harrington
Chief Geographer

DISSEMINATION OF PROJECT MATERIAL

CM-7717

VENICE TO PASSAGE KEY INLET

National Archives/Federal Records Center

Job Completion Report

Brown Jacket:

Field Photographs

Discrepancy Prints

Photogrammetric Plot Report

Tide Data

Control Station Identification Cards

Bureau Archives

Registered Map

Descriptive Report

Reproduction Division

8x Reduction Negative of Map

Office of Staff Geographer

Geographic Names Standard

