

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-00990	<i>Edition No.</i> 1
<i>Job No.</i> CM-7717	
<i>Map Classification</i> Final Field Edited	
<i>Type of Survey</i> Shoreline	
<b>LOCALITY</b>	
<i>State</i> Florida	
<i>General Locality</i> Sarasota Bay	
<i>Locality</i> Long Bar Point to Sarasota	
<div style="border: 1px solid black; padding: 5px; text-align: center;">19 TO 19 77</div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE  Rockville, Md.		SURVEY TP. <u>00990</u>  MAP EDITION NO. <u>d1</u> MAP CLASS <u>Final field edited</u> JOB <u>PHCM-7717</u>	
OFFICER-IN-CHARGE  Cmdr. J. Collins		<b>LAST PRECEDING MAP EDITION</b> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
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	
<b>II. DATUMS</b>			
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) _____	
<b>2. VERTICAL:</b> <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	
<b>3. MAP PROJECTION</b>  Transverse Mercator		<b>4. GRID(S)</b> STATE <u>Florida</u> ZONE <u>West</u>	
<b>5. SCALE</b> 1:10,000		STATE _____ ZONE _____	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>
<b>1. AEROTRIANGULATION</b> BY <u>K. Baker</u> METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY <u>N/A</u>			<u>June 1978</u>
<b>2. CONTROL AND BRIDGE POINTS</b> PLOTTED BY <u>J. Taylor</u> METHOD: <u>Coradomat</u> CHECKED BY <u>N/A</u>			<u>Sept 1978</u>
<b>3. STEREOSCOPIC INSTRUMENT</b> PLANIMETRY BY <u>N/A</u> COMPILATION CHECKED BY _____ INSTRUMENT: _____ CONTOURS BY <u>N/A</u> SCALE: _____ CHECKED BY _____			
<b>4. MANUSCRIPT DELINEATION</b> PLANIMETRY BY <u>E. Allen</u> METHOD: <u>Graphic</u> CHECKED BY <u>C. Lewis</u> SCALE: <u>1:10,000</u> CONTOURS BY <u>N/A</u> HYDRO SUPPORT DATA BY <u>N/A</u> CHECKED BY _____			<u>Jan 1979</u> <u>Feb 1979</u>
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b> BY <u>C. Lewis</u>			<u>Feb 1979</u>
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY <u>P. Dempsey</u> CHECKED BY <u>F. Wright</u>			<u>May 1979</u> <u>June 1979</u>
<b>7. COMPILATION SECTION REVIEW</b> BY <u>F. Wright</u>			<u>July 1979</u>
<b>8. FINAL REVIEW</b> BY <u>P. Dempsey</u>			<u>Feb 1985</u>
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY _____			
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY <u>P. Dempsey</u>			<u>Feb 1985</u>
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY <u>R. Kornspan</u>			<u>April 1985</u>

## COMPILATION SOURCES

TP-00990

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8(E & K)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) <u>COLOR</u> (P) <u>PANCHROMATIC</u> (I) <u>INFRARED</u>		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) 4410 - 4413	14 Oct 77	0911	1:30,000	N/A	
77 E(C) 3699 - 3703	9 Oct 77	1009	1:20,000		
77 K(R) 0927 -0930	14 Oct 77	1338	1:30,000		
				Refer to 76-36 B(1) for tide information	

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 LINE~~ MEAN LOW-WATER LINE: Gulf Coast Low Water Line:

There is no GCLW line on this map. 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-00986 & TP-00987	N/A	TP-00992 & TP-00991	TP-00989

REMARKS

Final junctions were made in the Coastal Mapping Section.

## TIDE - COORDINATED PHOTOGRAPHY

TP - 00990

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE	MEAN RANGE
77=KR=0927=0930	Station 615' Whitfield Estates	-0.11 MHW	
REMARKS:			

## HISTORY OF FIELD OPERATIONS TP-00990

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		Apr May 79
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	J.D. Di Mare	
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	J.D. Di Mare	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-4410 &amp; 4412

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-00990

## 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	

Joins Job CM-7715

27°33'45"  
PASSAGE KEY  
27°33'00"

TP-00985

TP-00986

TP-00987

TP-00988

Anna Maria

Anna Maria Key

Holmes Beach

Bradenton Beach

TP-00989

TP-00990

Oneco

327°23'00"

TP-00991

TP-00992

TP-00993

TP-00994

TP-00995

JOB CM-7717  
VENICE TO PASSAGE KEY INLET  
AND MANATEE RIVER  
FLORIDA  
SHORELINE MAPPING  
SCALE 1:10,000

27°03'00"

82°30'00"

82°25'00"

## SUMMARY TO ACCOMPANY

### DESCRIPTIVE REPORT

Coast Zone Map TP-00990 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 1:20,000 and 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

X

Y

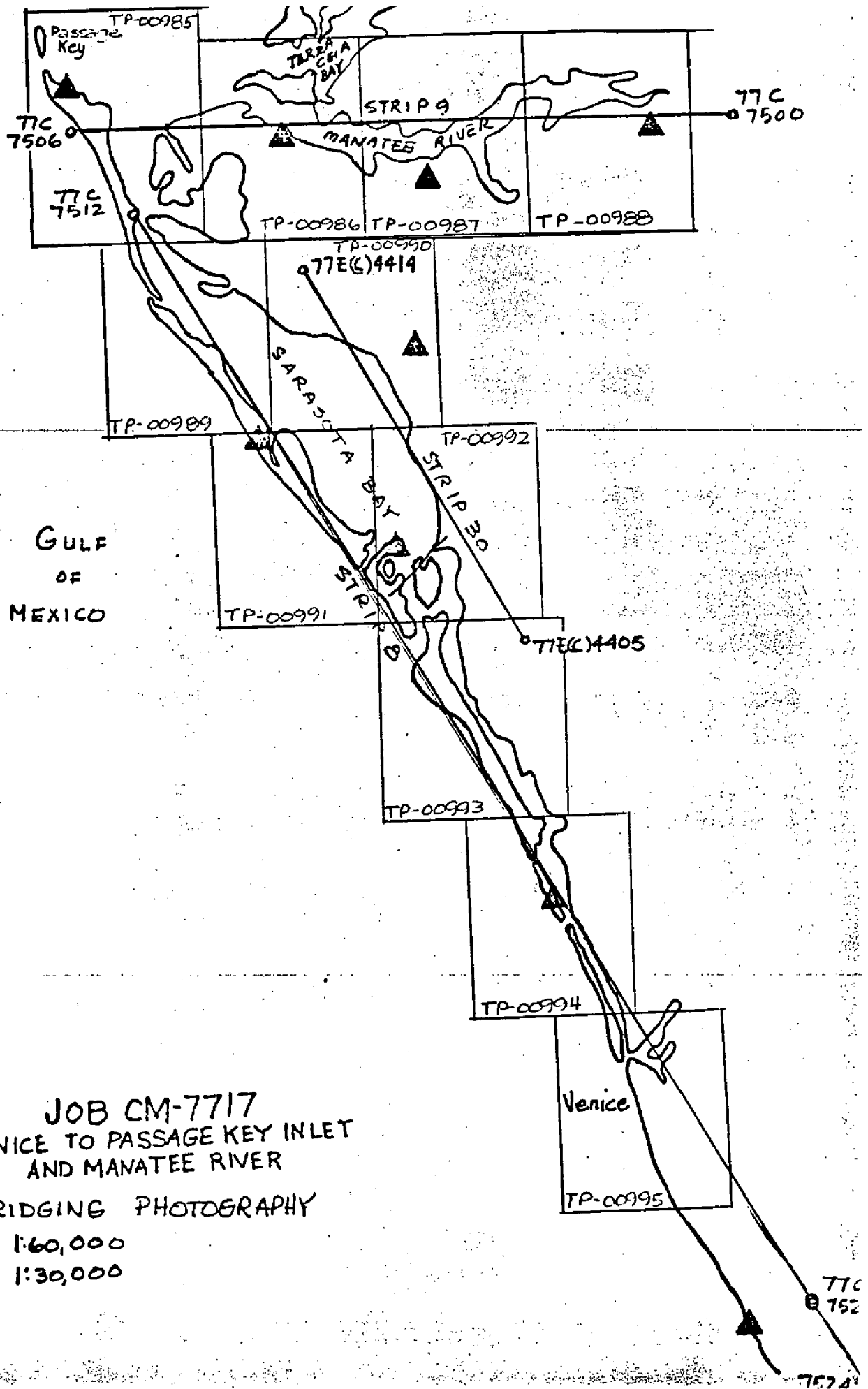
501100	-.463	.017
528101	-1.363	1.167
505101	.276	-.245

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

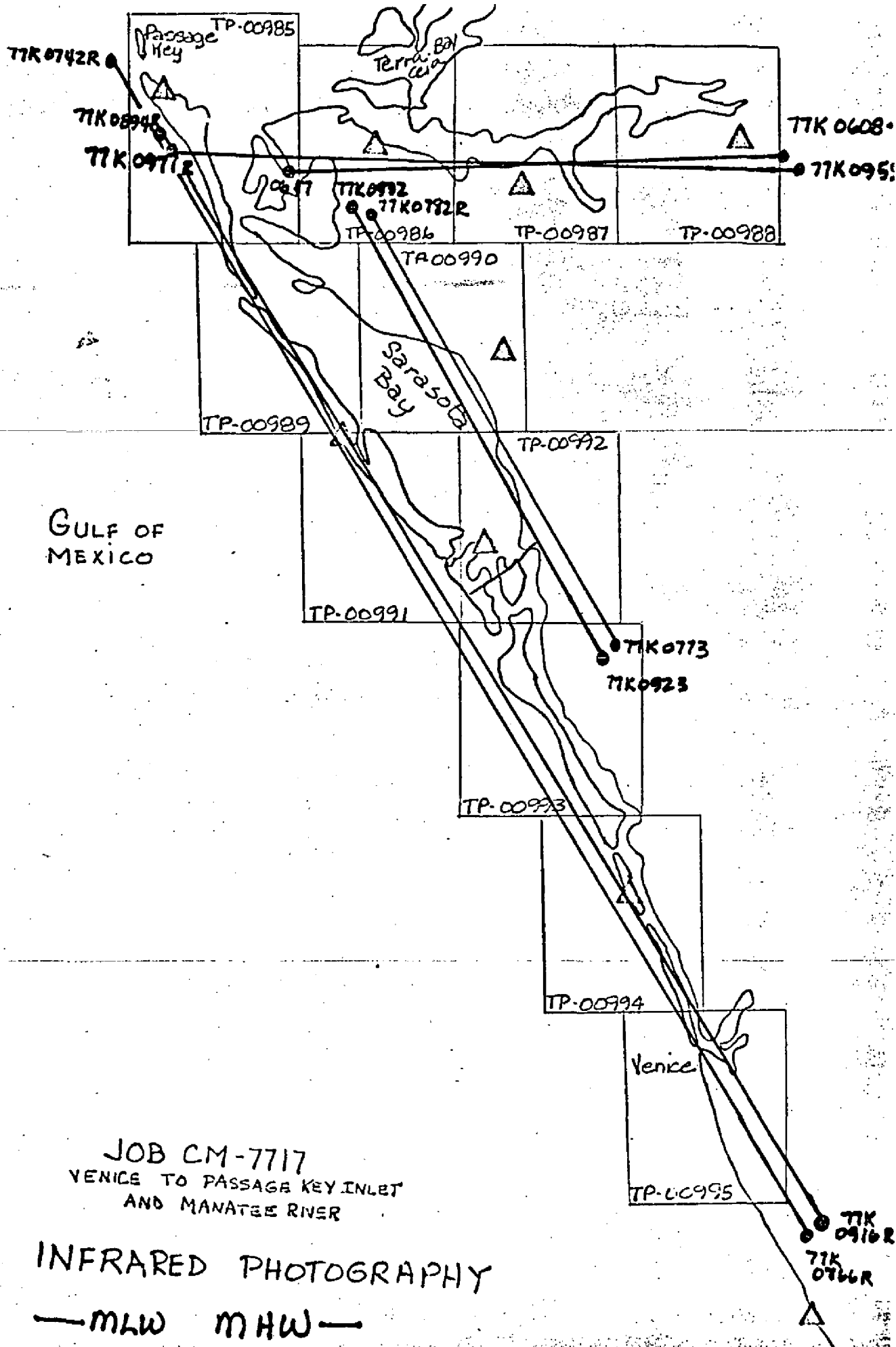


JOB CM-7717  
VENICE TO PASSAGE KEY INLET  
AND MANATEE RIVER

BRIDGING PHOTOGRAPHY

1:60,000

1:30,000



TP-00990  
COMPILATION REPORT

January 1979

31. DELINEATION

All shoreline and interior features were delineated by graphic methods. Rectified photos, controlled by map points determined by aerotriangulation, were used to interpret cultural features.

The MHW line was compiled from rectified-tide-coordinated, black-and-white infrared photography which was controlled by cultural features detailed from the rectified black-and-white photographs.

32. HORIZONTAL CONTROL

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

33. SUPPLEMENTAL DATA

The Tide and Water Level Section provided a sketch to locate Whitefield Estates Tide Station.

34. CONTOURS AND DRAINAGE

Contours not applicable. Drainage applied as depicted on infrared photography.

35. SHORELINE AND ALONGSHORE DETAILS

No problems were encountered in interpreting shoreline and alongshore details.

36. OFFSHORE DETAILS

No problems encountered.

37. LANDMARKS AND AIDS

No landmarks or aids to navigation were located during bridging and compilation.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Refer to Form 76-36B.

40. HORIZONTAL AND VERTICAL ACCURACY

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

41. thru 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following USGS quads:

Bradenton, Florida  
Bradenton Beach, Florida

47. COMPARISON WITH EXISTING CHARTS

Comparison was made with the following nautical charts:

11424 Lemon Bay to Passage Key Inlet - 1:80,000  
11425 Charlotte Harbor to Tampa Bay - 1:40,000

Items to be applied to charts immediately: None

Items to be carried forward: None

Submitted by:



Edward D. Allen  
Cartographer

Approved By:



FIELD EDIT REPORT TP-00990, 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: 4/24/79

*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

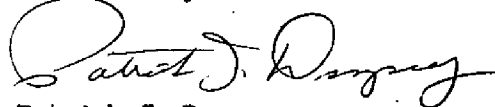
65. Comparison With Nautical Charts

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-00990

Ballentine Manor

Bayshore Gardens

Bowlees Creek

Buttonwood Harbor

Long Bar Point

Longboat Key

Sarasota

Sarasota Bay

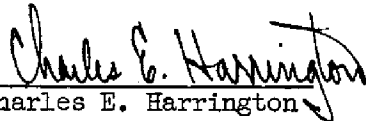
Sarasota-Bradenton Airport

Trailer Estates

Whale Key

Whitfield Estates

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

### 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]