

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-00995	<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> Venice Inlet	
<i>Locality</i> Venice	
19 TO 1977	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP. <u>00995</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final field edited</u> JOB <u>PHCM-7717</u>	
OFFICER-IN-CHARGE Cmdr. J. Collins		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
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 Jan 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: ☒ 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 <u>Florida</u> ZONE <u>West</u>	
5. SCALE 1:10,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>K. Baker</u>	<u>June 1978</u>
LANDMARKS AND AIDS BY		<u>N/A</u>	
2. CONTROL AND BRIDGE POINTS METHOD: <u>Coradomat</u>		PLOTTED BY <u>J. Taylor</u>	<u>Sept 1978</u>
CHECKED BY		<u>N/A</u>	
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY <u>N/A</u>	
INSTRUMENT:		CHECKED BY	
SCALE:		CONTOURS BY <u>N/A</u>	
CHECKED BY			
4. MANUSCRIPT DELINEATION METHOD: <u>Graphic</u>		PLANIMETRY BY <u>E. Allen</u>	<u>Mar 1979</u>
SCALE: <u>1:10,000</u>		CHECKED BY <u>C. Lewis</u>	<u>Mar 1979</u>
HYDRO SUPPORT DATA BY		CONTOURS BY <u>N/A</u>	
CHECKED BY			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>C. Lewis</u>	<u>Mar 1979</u>
6. APPLICATION OF FIELD EDIT DATA		BY <u>C. Lewis</u>	<u>June 1979</u>
CHECKED BY		<u>F. Wright</u>	<u>June 1979</u>
7. COMPILATION SECTION REVIEW		BY <u>F. Wright</u>	<u>July 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>P. Kornspan</u>	<u>APRIL 1985</u>

COMPILATION SOURCES

TP-00995

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8-(E&K), RC-10-Z		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) <u>PANCHROMATIC</u> (I) <u>INFRARED</u>		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	☒ STANDARD ☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
77 E(C) 4359 - 4362	13 Oct 77	1427	1:30,000	N/A Refer to 76-36 B(1) for tide information	
77 Z(C) 7143 - 7147	29 Sept 77	1523	1:20,000		
77 K(R) 0762 - 0765	14 Oct 77	0854	1:30,000		
77 K(R) 0912 - 0916	14 Oct 77	1333	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~~ Gulf Coast Low Water line:

The source of the MHW line on the Gulf of Mexico is the tide coordinated black and white infrared photography listed in item 1 above. There is no GCLW line in the interior waters. The GCLW 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-00994	N/A	TP-00086	N/A

REMARKS

Final junctions were made in the Coastal Mapping Section.

TIDE - COORDINATED PHOTOGRAPHY

TP - 00995

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE	MEAN RANGE
77KR 0912-0916	Anna Marie (outside)	MHW -0.23	
77KR 0912-0916	Venice Roberts Bay (inside)	MHW -0.17	
77KR 0762-0764	Anna Marie (outside)	MLW +0.33	

REMARKS:

HISTORY OF FIELD OPERATIONS TP-00995

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATIONUnder 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	J.D. Di Mare	May 79
5. GEOGRAPHIC NAMES INVESTIGATION TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY BY ☒ NO INVESTIGATION		
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	J.D. Di Mare	May 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)

772-7143, 7145, 7147; 77E-4362 & 77Z #146

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-00995

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class I		New Marina Compilation	2 Oct 79	
Class I		Chart Maintenance Print	Nov 1979	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4		7/12/79	Digitized 76-40 forms

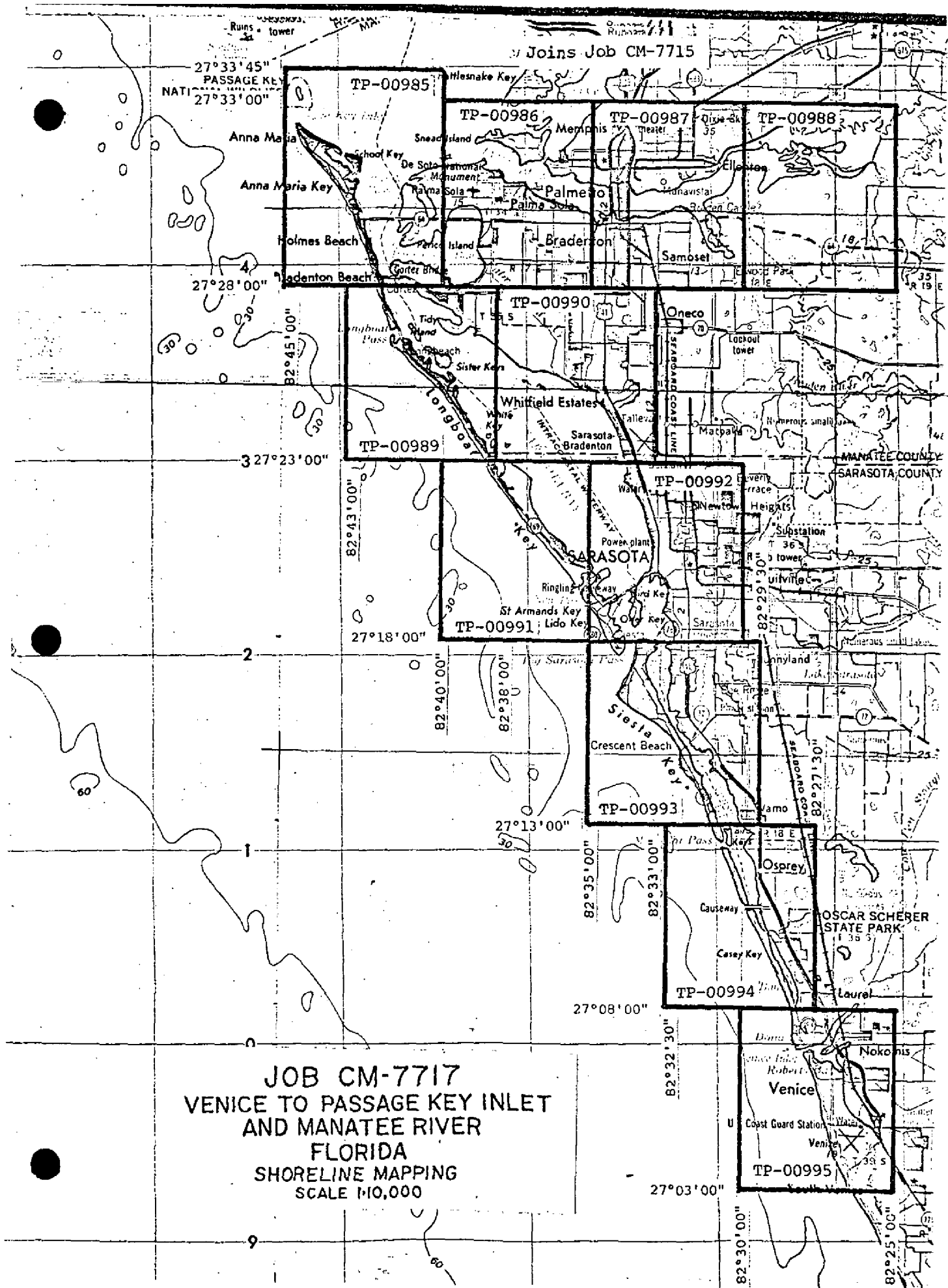
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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:
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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

Coast Zone Map TP-00995 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 and the Wild RC-10-Z camera with 1:20,000 scale color photographs taken in September 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 aerotriangulation methods.

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

Field edit was completed in July 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

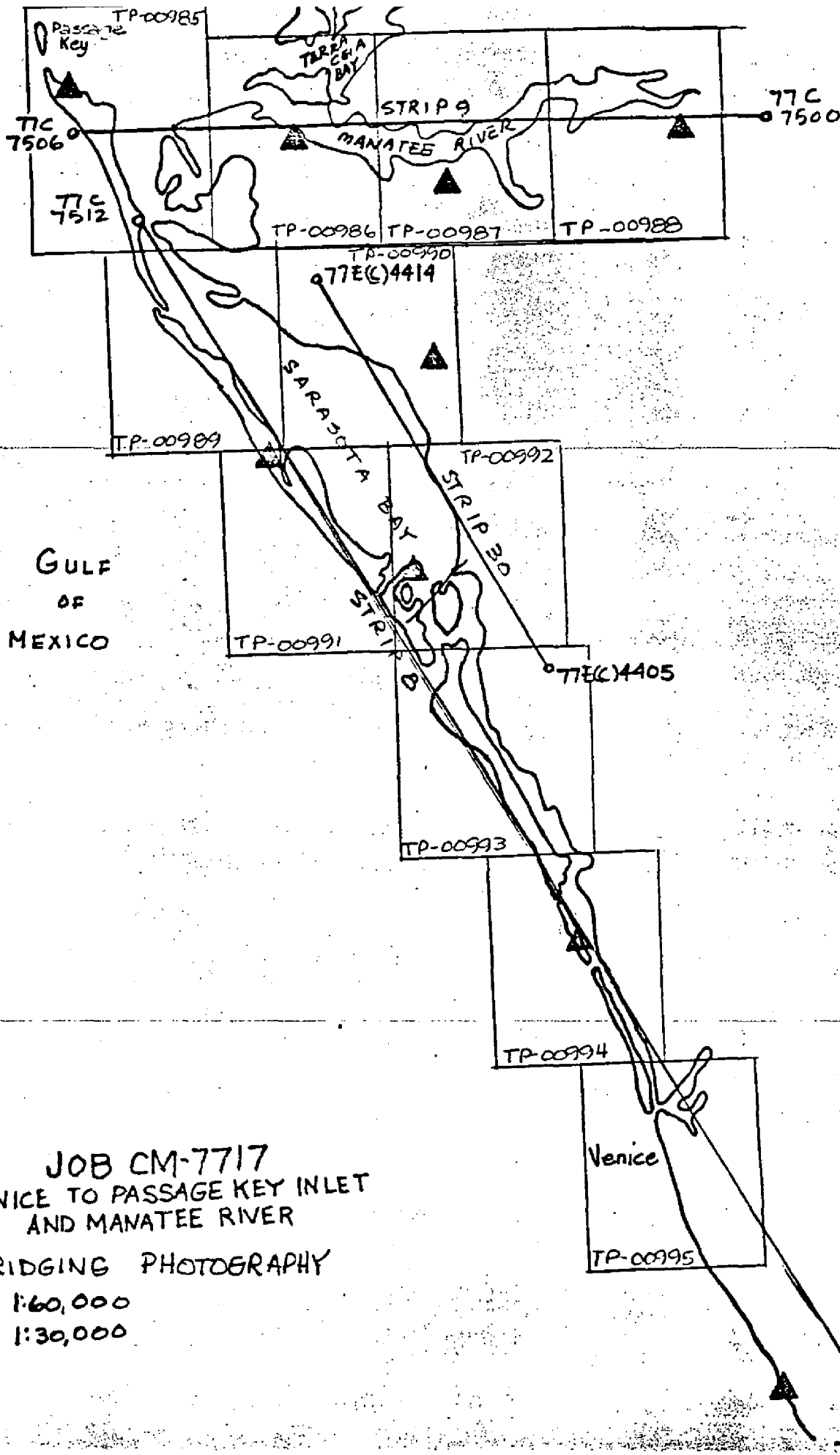
	<u>X</u>	<u>ERROR</u>	<u>Y</u>
501100	-.463		.017
528101	-1.363		1.167
505101	.276		-.245

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

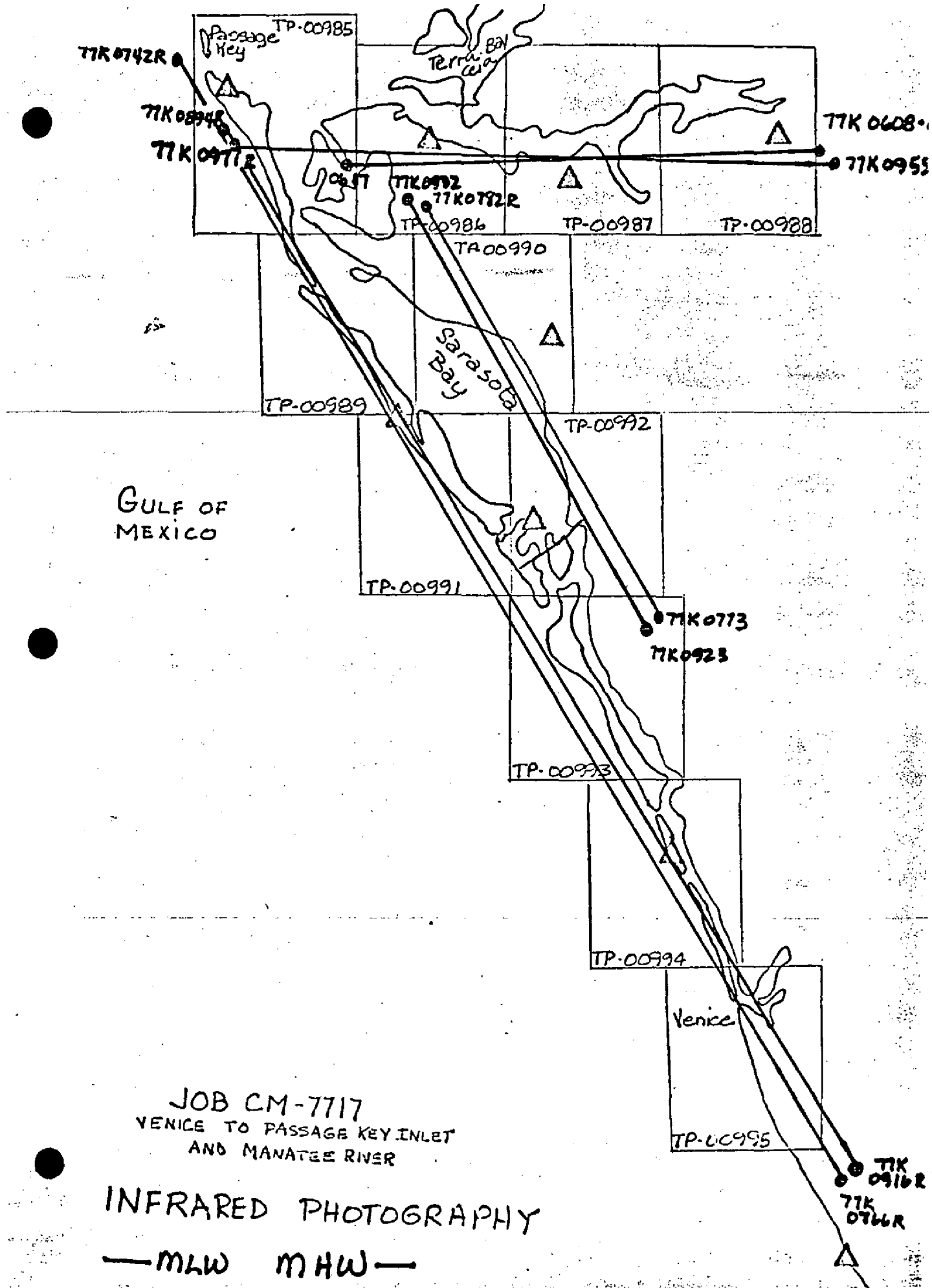


JOB CM-7717
 VENICE TO PASSAGE KEY INLET
 AND MANATEE RIVER

BRIDGING PHOTOGRAPHY

1:60,000

1:30,000



Compilation Report
TP-00995
March 1979

31. Delineation

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

The GCLW line in the interior waters was not compiled as there was no photography available, within accuracy standards at the time of compilation.

32. Horizontal Control

Horizontal control was adequate. (See photogrammetric Plot Report)

33. Supplemental Data

Field sketches were furnished by the Tide & Waters Level Section to locate 3 (three) tide stations.

34. Contours and Drainage

Contours not applicable. Drainage was compiled from the office interpretation of the ratio tide coordinated black and white infrared photograph.

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 low water line was shown in interior waters.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

Only those landmarks 5 (five) and aids 33(three) that were located during compilation (circle on photography) or dropped in aerotriangulation were located.

38. Control for Future Surveys

None

39. Refer to form 76-36B. Junction was made to the North - TP-00994.
No junctions were applicable to South, East and West.

40. Horizontal and Vertical Accuracy

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

41. thru 45. - Applicable

46. Comparison with Existing Maps

Comparison was made with the following 7.5 minute G.S. topographic quadrangles:

Venice, Florida

Laurel, Florida

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11425 July 15, 1978 1:40,000

Items to be applied to charts immediately - None

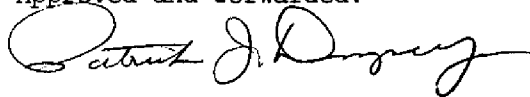
Items to be carried forward - None

Submitted by,



Edward D. Allen

Approved and forwarded:



For Frank Wright
Acting Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00995, 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: 5/23/79

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

SUPPLEMENTAL FIELD EDIT REPORT TP-00995, JOB CM-7717

51. METHODS

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

The shoreline in question was inspected from a small boat while cruising just off shore and walking on the beach where needed.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit performed on June 18 and 19, 1979 by Messrs. Lt.(jg) David H. Minkel, C.S. Middleton and F.B. Minschke. Only corrections pertaining to discrepancy Print #2 were inspected and answered and so noted thereon. Additions and corrections were anotated on the photographs.

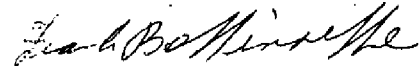
53. MAP ACCURACY

Not checked.

54. RECOMMENDATIONS

None

Respectfully submitted



Frank B. Minschke
Chief, Coastal Mapping Section

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

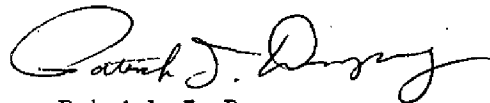
65. Comparison With Nautical Charts

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

66. Adequacy of Results and Future Surveys

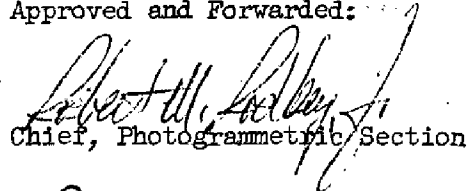
This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

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-00995

Bird Island

Casey Key

Caspersen Beach

Curry Creek

Deertown Gully

Dona Bay

Eagle Point

Eastgate

Gulf of Mexico

Hatchett Creek

Horse and Chaise Point

Laurel

Lyons Bay

Nokomis

Nokomis Beach (locality)

Red Lake

Roberts Bay

Seaboard Coast Line (RR)

Shakett Creek

South Venice

Turner Key

Venice

Venice Beach

Venice Gardens

Venice Inlet

Venice Municipal Airport

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

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

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* SVY TP00995 * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 2 OF 4 *
* JOB CM7717 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
* PRJ 833205 * TO BE CHARTED * LOCALITY VENICE * ORIGINATING ACTIVITY *
* DTM NA1927 * DATE 06/07/79 * * COMPILATION *
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
* DESCRIPTION * POSITION CMD * METHOD AND DATE * CHARTS *
* CHARTING* RECORD REASON FOR DELETION * LATITUDE DM ALTEK* OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN ( ) * LONGITUDE DP DGTDZ* 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. *
*
* ROBERTS BAY CHANNEL *
*
* 27 06 32.71 1006.7 * 7727147 * * 11425 *
* 82 27 00.67 18.5 * 09/29/77 *
*
* 27 06 31.52 970.1 * 7727147 * * 11425 *
* 82 27 26.05 717.5 * 09/29/77 *
*
* VENICE INLET-SIESTA KEY *
*
* 27 07 37.70 1160.3 * 7727147 * * 11425 *
* 82 28 10.59 291.7 * 09/29/77 *
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RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

1. basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
2. Letter all information.
3. In "Remarks" column cross out words that do not apply.
4. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

[illegible]