

NOAA FORM 76-35
(9-76)

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

DESCRIPTIVE REPORT

<i>Map No.</i> TP-00988	<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> Manatee River	
<i>Locality</i> Fort Hamer to Elwood Park	
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 <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP. <u>00988</u> MAP EDITION NO. <u>11</u> MAP CLASS <u>Final field edited</u> JOB <u>PH-CM-7717</u>	
OFFICER-IN-CHARGE Cmdr. J. Collins		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__	
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) 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 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>Sept 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>J. Battley Jr.</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>Nov 1978</u> <u>Jan 1979</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY <u>C. Lewis</u>			<u>Jan 1979</u>
6. APPLICATION OF FIELD EDIT DATA BY <u>C. Lewis</u> CHECKED BY <u>J. Schad</u>			<u>April 1979</u> <u>April 1979</u>
7. COMPILATION SECTION REVIEW BY <u>J. Schad</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. Kornspen</u>			<u>April 1985</u>

COMPILATION SOURCES

TP-00988

1. COMPILATION PHOTOGRAPHY

CAMERA(S) 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 <input type="checkbox"/> DAYLIGHT
				MERIDIAN 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
77 E(C) 4090 -4093	13 Oct 77	0858	1:30,000	N/A Refer to 76-36 B(1) for tide information.	
78 E(C) 3299	5 Nov 78	1449	1:30,000		
77 K(R) 0960 - 0962	14 Oct 77	1426	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 and the color photograph, 78 E(C) 3299, listed in item 1 above.

3. SOURCE OF ~~MEAN LOW-WATER OR NEAR-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 N/A	EAST N/A	SOUTH N/A	WEST TP-00987
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REMARKS

Final junctions were made in the Coastal Mapping Section.

TIDE - COORDINATED PHOTOGRAPHY

TP - 00988

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE	MEAN RANGE
<p>Manatee River Fla 77KR-0960-0962</p>	<p>Redfish Point</p>	<p>-0.15 MHW</p>	

REMARKS:

HISTORY OF FIELD OPERATIONS TP-00988

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		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION		
CLARIFICATION OF DETAILS BY	J.D. Di Mare	2/79
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-4091 & 4092

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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)

HISTORY OF FIELD OPERATIONS TP-00988

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	XXXXXXXXXX	7/79
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	J.D. Di Mare	2/79
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-4091; 4092; 78EC3299

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE
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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-00988

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

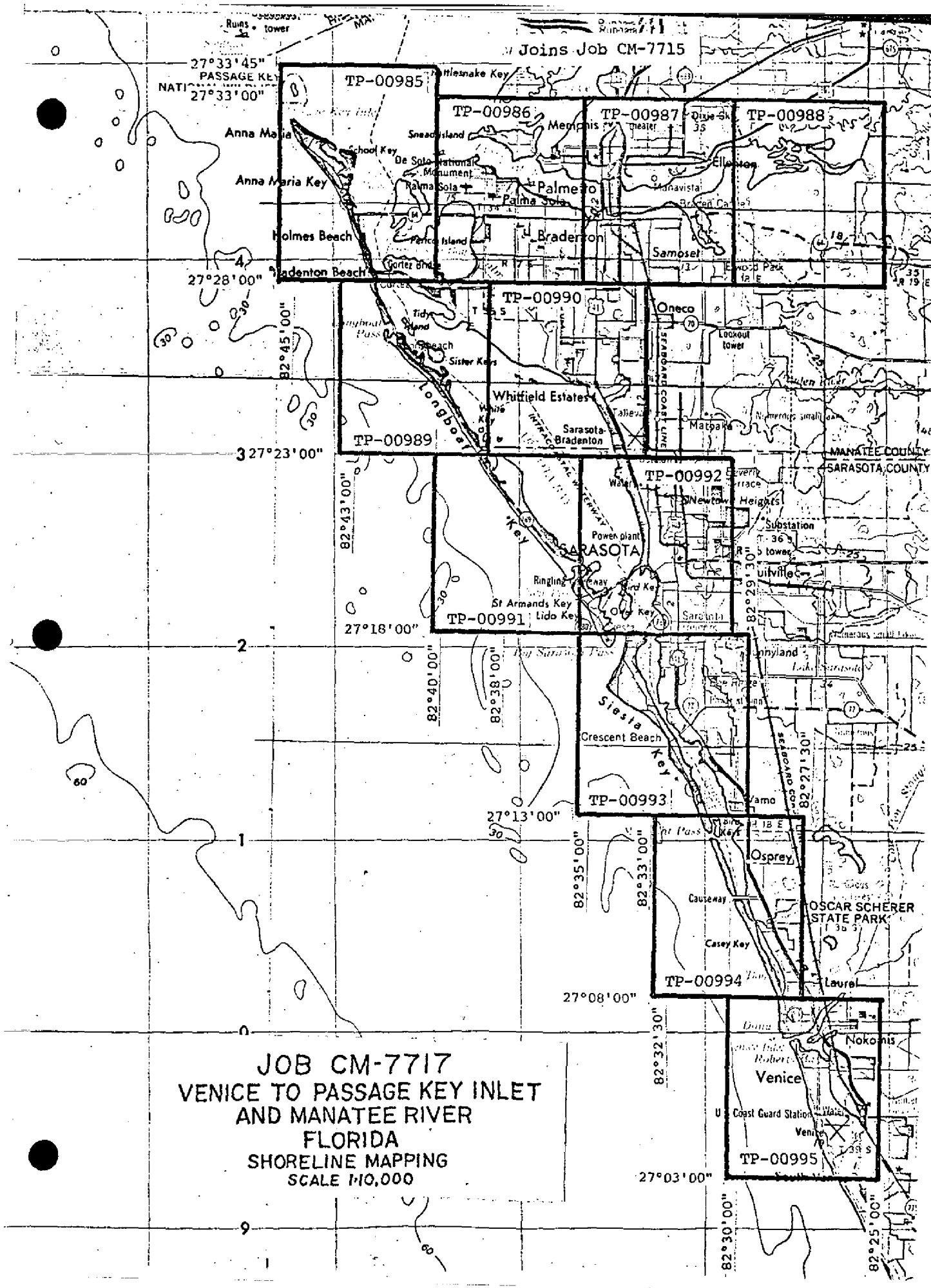
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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	



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

Coast Zone Map TP-00988 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 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 1:30,000 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 March 1979. All known landmarks and aids to navigation were located or 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 1:30,000, 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

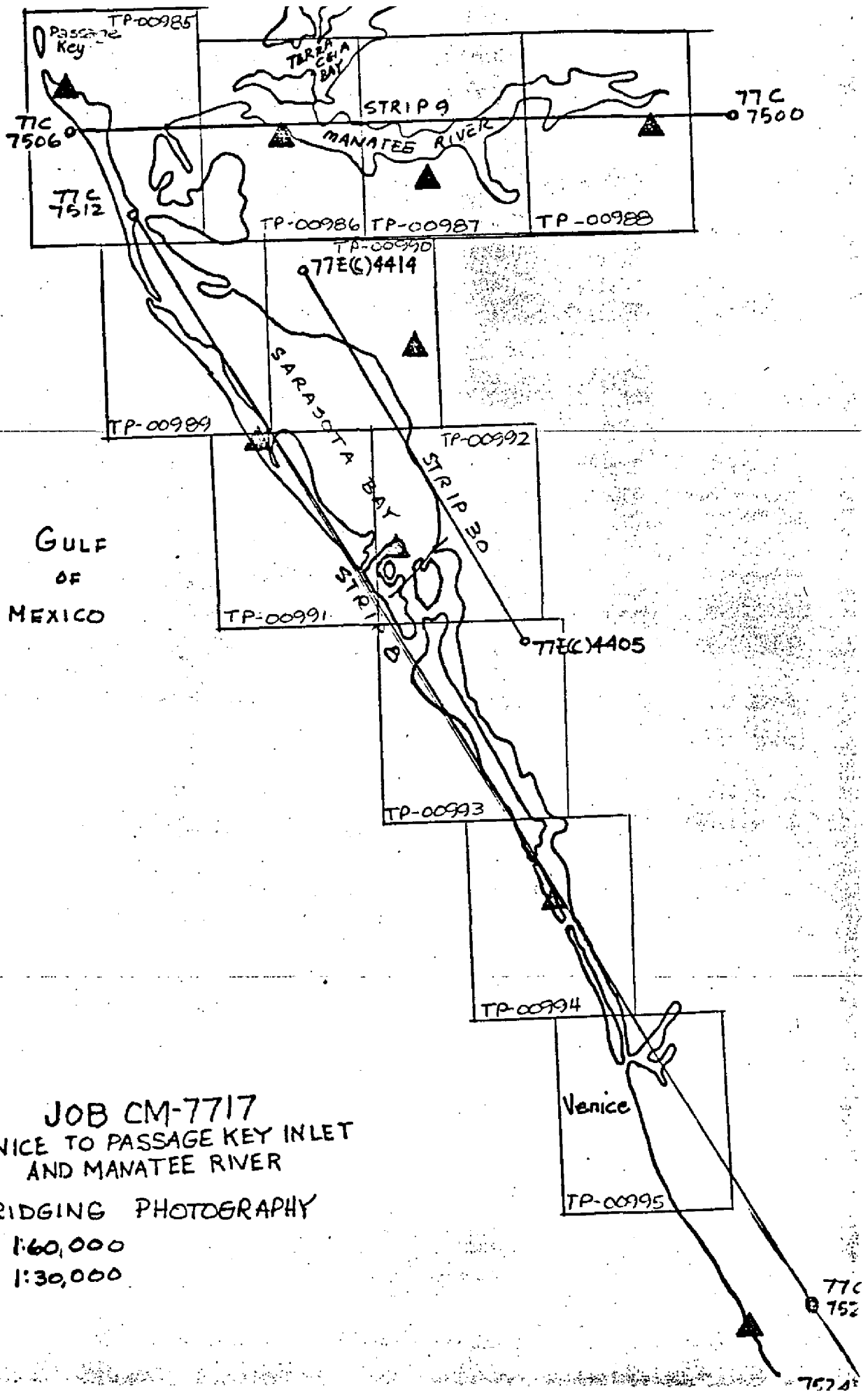
	<u>X</u>	<u>Y</u>
501100	-.463	.017
528101	-1.363	1.167
505101	.276	-.245

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

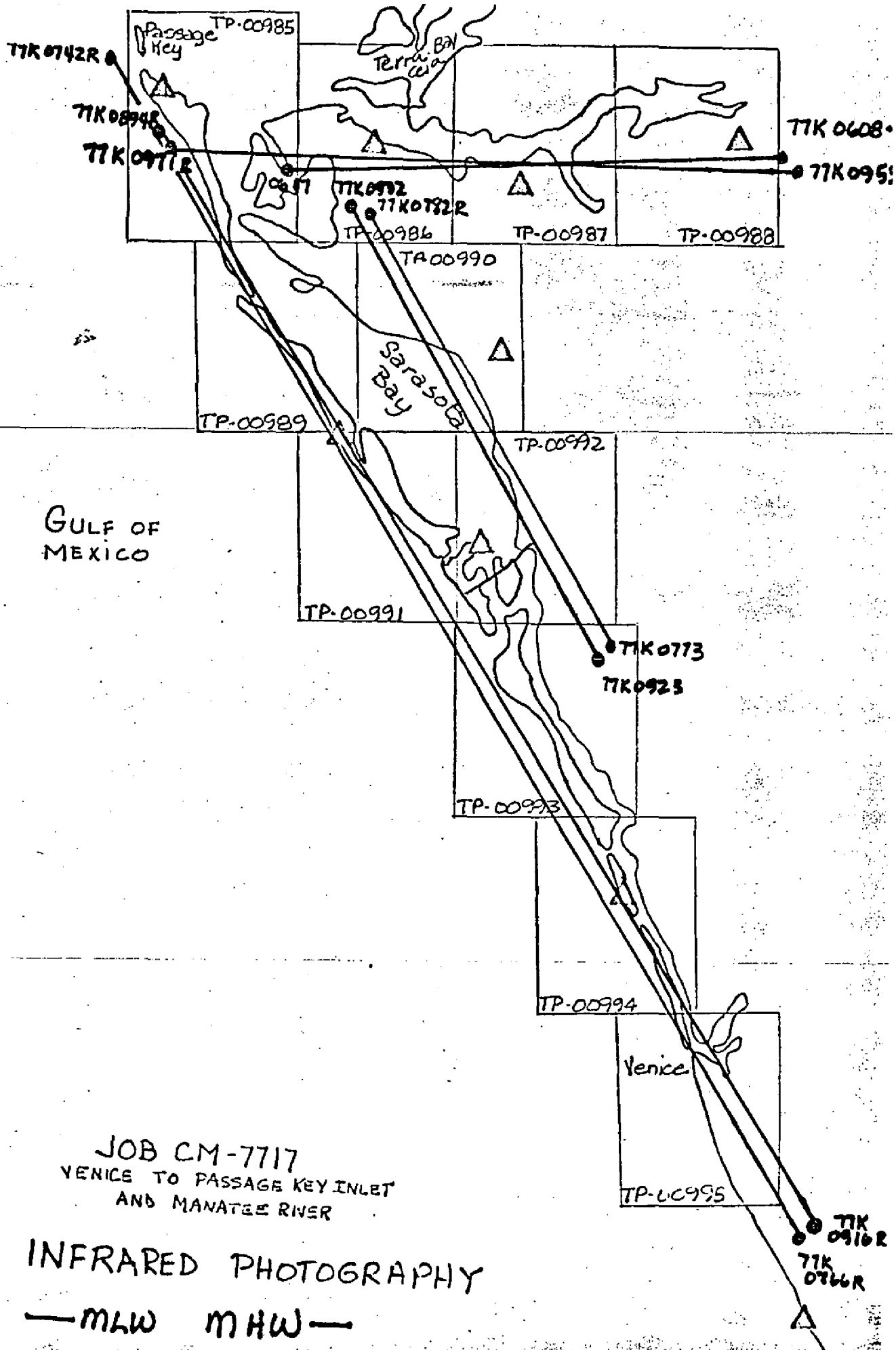
517801	.501	-.144
516801	-4.413	-3.387
407110	3.505	4.966
409174	4.077	3.828
515801	-1.310	-3.637
514801	-3.688	-4.111
513802	1.328	2.486



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

1:60,000

1:30,000



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

INFRARED PHOTOGRAPHY
—MLW MHW—

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY	
					COORDINATES IN FEET STATE <u>Florida</u> ZONE <u>West</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	Rockville, Md.	
Corner, 1954	CM-7717	P C Pg 88	501100		X=	359,400.29	ϕ	
					Y=	1,156,027.41	λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
					X=		ϕ	
					Y=		λ	
COMPUTED BY					COMPUTATION CHECKED BY			DATE
LISTED BY	J. Battley Jr.				LISTING CHECKED BY C. Lewis			DATE Jan 1979
HAND PLOTTING BY					HAND PLOTTING CHECKED BY			DATE

Compilation Report

December 1978

31. Delineation

All alongshore cultural features and interior planimetry on this map were delineated by graphic methods using rectified black and white prints of the 1:30,000 scale color photography. This photography was controlled by map points, whose positions were determined by analytical aerotriangulation.

The MHW line and/or apparent shoreline was compiled from tide coordinated black and white infrared photography, except that portion of the Braden River on this map which was compiled from the field inspected photograph 78 E(C) 3299. The GCLW line was not compiled on this map as the GCLW photography available did not meet accuracy standards.

32. Horizontal Control

Horizontal control was adequate. (See Photogrammetric Plot Report)

33. Supplemental Data

Two tide station sketches were provided by the Tide and Water Level Section.

34. Contours and Drainage

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

35. Shoreline and Alongshore Details

No unusual problems were encountered in compiling the MHW line or alongshore features.

36. Offshore Details

No unusual problems were encountered. Details were restricted to shallow or shoal areas.

37. Landmarks and Aids

There are no landmarks or aids shown on this map.

38. Control For Future Surveys - None

39. Junctions

Junction was made with TP-00987 to the West. There are no other contemporary surveys.

40. Horizontal and Vertical Accuracy

This map complies with the accuracy requirements for 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 1:24,000 scale Quadrangle maps:

Parrish, Fla., dated 1973

Lorraine, Fla., dated 1973

47. Comparison With Nautical Charts

Comparison was made with the following Nautical Chart:

11414, May 1978, 1:40,000 scale

Items to be applied to charts immediately - None

Items to be carried forward - None.

Submitted by:



For: J. P. Battley, Jr.
Chief, Coastal Mapping Section

Approved and Forwarded:



For: J. P. Battley, Jr.
Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00988, 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. The portion of the Braden River which falls on this manuscript was edited on ratio photo 78-EC3299 and was submitted with TP-00987.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted: 3/2/79

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

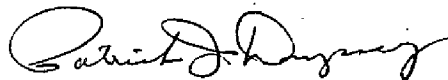
65. Comparison With Nautical Charts

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

66. Adequacy of Results and Future Surveys

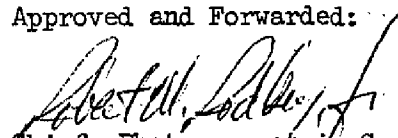
This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:



Patrick J. Dempsey
Final Reviewer

Approved and Forwarded:



Chief, Photogrammetric Section



Chief, Photogrammetry Branch

September 15, 1979

GEOGRAPHIC NAMES

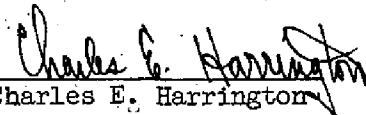
FINAL NAME SHEET

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

TP-00988

Braden River
Branches Hammock
Cypress Strand
Elwood Park (Ppl)
Fort Hamer
Gates Creek
Long Bar Shoal
Manatee River
Marsh Island
Redfish Point

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]