

TP-00218

TP-00218

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00218	<i>Edition No.</i> 1
<i>Job No.</i> CM-7702	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> TEXAS	
<i>General Locality</i> SABINE PASS TO PASS CAVALLIO	
<i>Locality</i> PASS CAVALLIO	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 77 TO 19 </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		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE COASTAL MAPPING DIVISION ATLANTIC MARINE CENTER, NORFOLK, VA. OFFICER-IN-CHARGE ROY. K. MATSUSHIGE		SURVEY TP. 00218 01 OF 24 MAP EDITION NO. (1) MAP CLASS III FINAL JOB PH CM-7702	
PHOTOGRAMMETRIC OFFICE COASTAL MAPPING DIVISION ATLANTIC MARINE CENTER, NORFOLK, VA. OFFICER-IN-CHARGE ROY. K. MATSUSHIGE		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	
AEROTRIANGULATION MAY 10, 1977 " " OCT. 3, 1977 COMPILATION FEB. 17, 1978 AMENDMENT I MAR. 13, 1978 CANCEL FIELD EDIT JULY 2, 1980		PREMARKING FEB. 3, 1977	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) GULF COAST LOW WATER DATUM	
3. MAP PROJECTION LAMBERT CONFORMAL CONIC		4. GRID(S) STATE TEXAS ZONE SOUTH CENTRAL	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: ANALYTIC LANDMARKS AND AIDS BY		R. KELLY	MAR. 1978
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CURADOMAT 21 CHECKED BY		S. SOLBECK " "	FEB. 1978 " "
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: WILD B-8 SCALE: 1:10,000 CHECKED BY		C. BLOOD A. RAUCK NA NA	JUNE 1979 " "
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted and graphic CHECKED BY SCALED: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		C. BLOOD F. MAULDIN NA NA NA NA	JUNE 1979 AUG. 1979
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. MAULDIN	AUG. 1979
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		NONE NONE	
7. COMPILATION SECTION REVIEW BY		F. MAULDIN	AUG. 1979
8. FINAL REVIEW CLASS III BY		J. HANCOCK	FEB. 1981
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. HANCOCK	Feb. 1981
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		R. KELLY	JUNE 1981
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		M. C. Wolfe	OCT 1981

COMPILATION SOURCES

02

1. COMPILATION PHOTOGRAPHY

CAMERA(S) 152.7mm FOCAL LENGTH 88.47mm Wild R.C. 8 "E" and R.C. 10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES * <input checked="" type="checkbox"/> REFERENCE STATION RECORDS ** <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY **			ZONE Central	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
			MERIDIAN 90th	
NUMBER AND TYPE	DATE	TIME (CST)	SCALE	STAGE OF TIDE
77C(I)-2655-2660**	Mar. 7, 1977	11:03	1:40,000	At Mean Low Water
77E(P)-9329-9338* *Alternate photos	Mar. 7, 1977	12:21	1:20,000	0.4ft. above MLW Range of tide 1.4ft.

REMARKS

There is no tide coordinated M.H.W. infrared photography for this project, and photo-hydro support data is not required.

2. SOURCE OF MEAN HIGH-WATER LINE:

*The mean high water line was compiled from the above listed compilation photography. Adequate photo coverage begins at the West side of Pass Cavallo and defines the limits of compilation.

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

**The mean low water line was compiled from the above listed tide coordinated infrared low water photography.

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
No Survey	TP-00219	No Survey	No Survey

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00218
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. TIBBETTS	FEB. 1977
2. HORIZONTAL CONTROL	RECOVERED BY " "	" "
	ESTABLISHED BY " "	" "
	PRE-MARKED OR IDENTIFIED BY L. DAVIS	" "
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY NONE	
	LOCATED (Field Methods) BY NONE	
	IDENTIFIED BY NONE	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NONE	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED
NONE

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
77E(P)9331	SAL, 1977		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

2-forms 76-53, 1-form 76-67, 2-forms 76-182, 2-forms 76-86, 1-form 76-102a,
1-form 76-177, 1-form 26, and 6 pages of sketches and positions, Field inspection report

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00218
HISTORY OF FIELD OPERATIONS1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION (Cancelled)

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY		
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 type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

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)

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)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00218

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Aug. 13, 1979	CLASS III	Aug. 17, 1979	Aug. 16, 1979
FINAL REVIEW, CLASS III	Feb. 1981	Final, Class III Map Field edit canceled	Feb 27, 1981	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		July 31, 1980	landmark for charts *
			*Unverified Class III data, mistakenly forwarded to charts during compilation.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 31, 19803. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

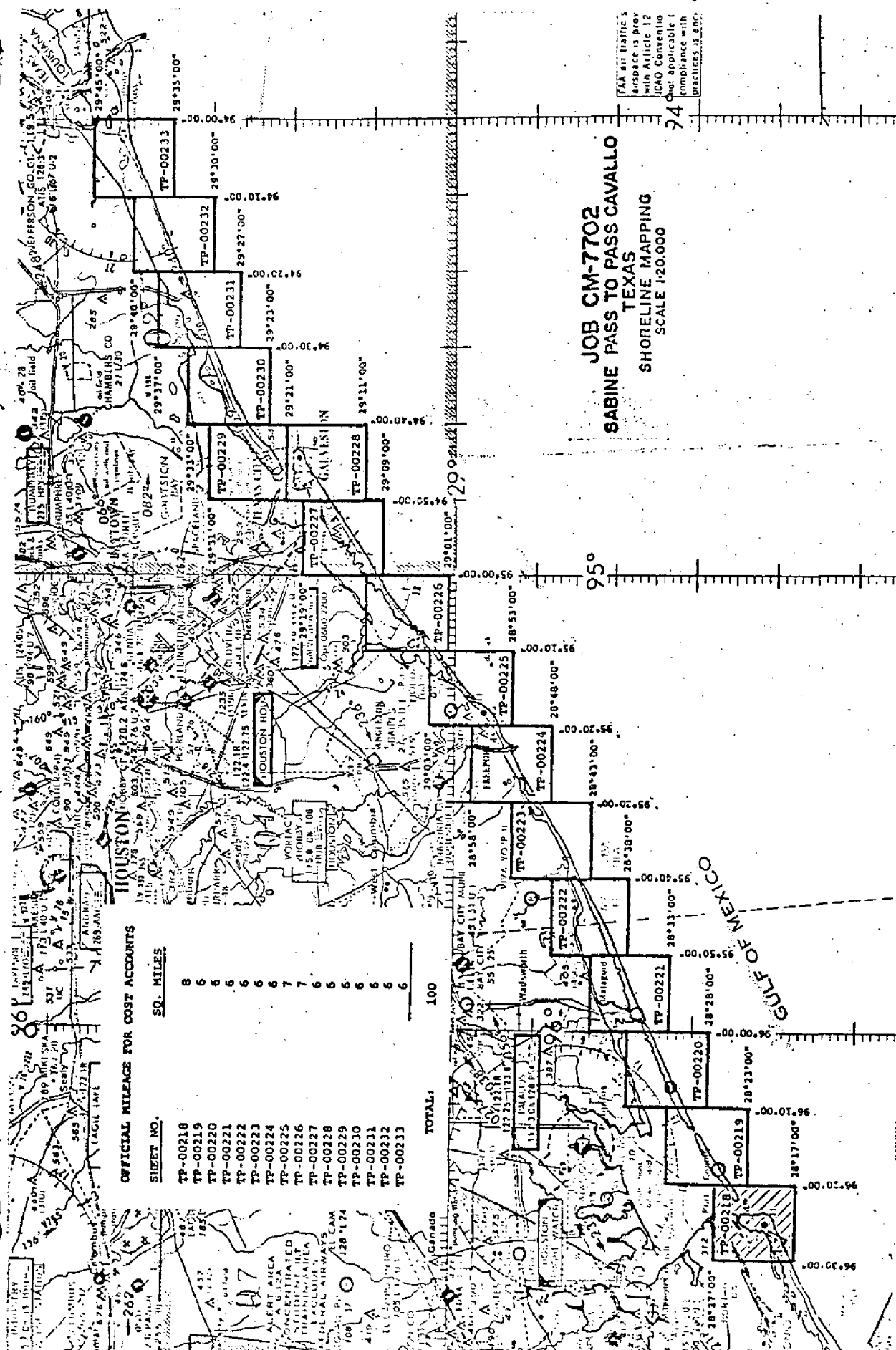
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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 REPORTS

TP-00218

This 1:20,000 shoreline manuscript is one of 16 maps that comprise Project CM-7702 which covers an area from Sabine Pass to Pass Cavallo, Texas. Maps TP-00224 through TP-00233 were field edited and reviewed as Class I. Field edit was canceled via correspondence letter dated July 2, 1980 from the Chief, Photogrammetry Division for maps TP-00218 through TP-00223; these were reassigned to be reviewed and registered as Class III.

The initial purpose of this map was to provide contemporary shoreline data for the support of hydrographic operations and to furnish data for nautical chart revision. The contemporary hydrographic operation, K-104-MI-78 & 79, did not extend to this mapping area as it was confined to the shoreline between Lat. $29^{\circ}36'$, Long. $94^{\circ}15'$ and Lat. $29^{\circ}09'$, Long. $95^{\circ}02'$.

Field work prior to compilation was accomplished in March, 1977; this involved the establishment of horizontal and vertical control in order to meet aerotriangulation requirements. During this same period, tide observations were field recorded to assist in obtaining tide-coordinated low water photography.

Photo coverage for compilation and aerotriangulation was flown in March, 1977 with the "E" camera at a scale of 1:20,000 and 1:30,000 with panchromatic film. Tide-coordinated black and white infrared photography was taken at mean low water using the "C" camera at 1:40,000 scale.

Analytic aerotriangulation was adequately provided by the Washington Science Center.

Compilation was performed at the Atlantic Marine Center in Aug. 1979 with anticipation and preparation for the field edit operation; however, in July 1980 a request to cancel field edit changed the status of this map to a Class III product.

Final review for this Class III map was performed at the Atlantic Marine Center in Feb. 1981. At this time, a comprehensive examination and office edit was done to assure that this final shoreline map was compiled strictly from interpretation of the photography. Also, the shoal and breaker areas delineated in Pass Cavallo were retained to indicate the danger to navigation; this area and the western region of Decros Point are very susceptible to continual change.

The original base manuscript and all pertinent data were forwarded to the Washington Science Center for final registration.

Tide coordinated photography for this project was taken March 7, 1977. Tidal datum depicted on this map is Mean Low Water. Reference should be noted in the National Ocean Survey Directive dated November 28, 1977, that Gulf Coast Low Water Datum is defined as Mean Lower Low Water when the type of tide is mixed and Mean Low Water when the type of tide is diurnal. This Directive is superseded by Federal Register/ Vol. 45, No. 207/dated Thursday, October 23, 1980, which changes the name "Gulf Coast Low Water Datum" to "Mean Lower Low Water."

FIELD INSPECTION

TP-00218

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

See attached report on panelling of control.

Job CM-7702

3. Assignment

In accordance with advanced copy of field instructions, Job CM-7702 dated 1/24/77; Shoreline Mapping: Sabine Pass to Pass Cavallo, Texas was accomplished during February - March, 1977.

5. Horizontal Control

Recovery of horizontal control was limited to those stations needed to meet aerotriangulation requirements; recovery notes have been submitted for only those stations.

All station requirements as per control diagram were met except Circle Nos. 1; 6; 7; 16 and 18.

Circle No. 1. Could not be placed at the south end of the island as indicated on project diagram due to the unstable condition of the point. It was moved approximately three quarters mile northeast of indicated site, however, in the process of determining a position of this panel, a three point fix was taken on the south side of Pass Cavallo on a large concrete platform. The Fix Point (SAL, 1977) was premarked with array No. 3. Station BM 754 (USE) 1934 could not be recovered. A traverse was run from STATION PIERCE, 1931. Obstruction at the panel site made it impossible to turn through the panel site, so TP-03 is the home station for Circle No. 6.

Station BM 692 (USE) 1932 could not be recovered. A traverse was run from STATION McNEEL, 1854 to Panel site. Both traverses were double run.

Permission could not be obtained to place a panel at STATION LONE, 1934. Permission was received from Mr. Van Scoy of Rockville, Maryland to move the panel to SABINE PASS, Southwest Base, 1874. STATION TURN, 1934 was also photo-identified.

6. Premarking of Control

All stations were marked as reported on control station identification card (Form 152).

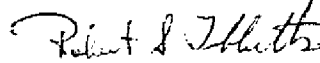
8. Tide Observations and Records for Tide-Coordinated Photography

Level connection was made to BM 43, 1957; BM 44, 1957 and BM E 168, 1936, before photography and BM 43, 1957 after photography, and was recorded on NOAA Form 76-77. Tape readings were recorded on Form 277 (NOAA 77-53).

13. Report

The field party was instructed by CAM513 to forward data through AMC.

Submitted by,



Robert S. Tibbetts
Chief, Photo Party 62

Photogrammetric Plot Report
Sabine Pass To Pass Cavallo, Texas
Job CM-7702
March 1978

21. Area Covered

This report covers sixteen 1:20,000 sheet;

TP-00218	TP-00223	TP-00228
TP-00219	TP-00224	TP-00229
TP-00220	TP-00225	TP-00230
TP-00221	TP-00226	TP-00231
TP-00222	TP-00227	TP-00232
		TP-00233

of Sabine Pass To Pass Cavallo, Texas.

22. Method

Four strips of 1:30,000 scale and two strips of 1:20,000 scale panchromatic photography taken with the "E" camera were bridged by analytic aerotriangulation methods and adjusted to ground on the Texas State Plane Coordinate System, South Central Zone.

Alternate exposures were used for bridging where possible, because of the 80 percent endlap. Photographs had to be renumbered for strip adjustment program. Tide-coordinated, black-and-white infrared photography 1:40,000 scale taken with the "C" camera at MLW were tied to the 1:20,000 and 1:30,000 scale bridging photography for shoreline compilation of 1:20,000 scale maps, by means of positioning common points to determine the exact ratios. Tie points were used to augment datum between bridging strips. Ruling of manuscripts and plotting of points were done on the Coradomate and forwarded to AMC.

23. Adequacy of Control

In recovering panel number 16 for station Turn, 1934 panel was found to be out of position. It was not known if panel was moved before or after photographing so three substitute stations were established. The panel and three sub. stations were read in bridging strip number one. It was determined in the adjusting of strip one that the panel had not been moved before photographing. Substitute station one and two were not very good image points, therefore they were very difficult to point on in the instrument. Substitute station number three was a good image point and held in the adjustment.

All other control held within the accuracy required by National Standards of maps at 1:20,000 scale.

Closures on strip number five adjustment were slightly high for a third degree adjustment. This is probably because of the narrow models and minimum amount of control (5 stations) for a strip of 41 models.

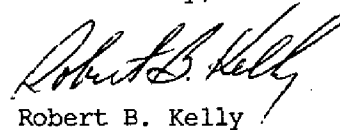
24. Supplemental Data

Local shoreline on U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

25. Photography

The photography was adequate as to placement of flight lines, consistent quality, definition and absent of haze.

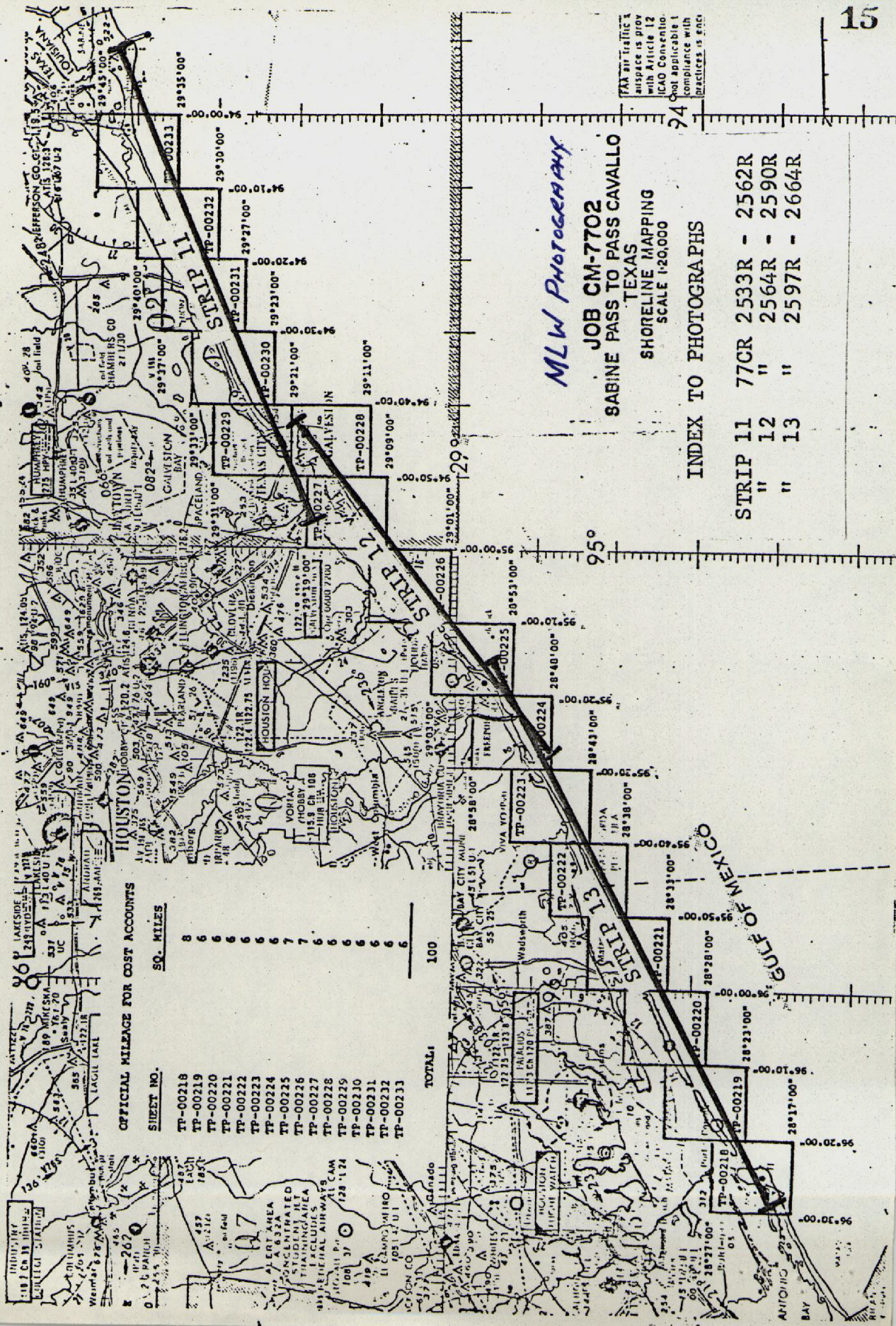
Submitted by,


Robert B. Kelly

Approved and forwarded:



Don O. Norman
Acting Chief, Aerotriangulation Section



FAA air traffic & airspace is provided with Article 12 ICAO Convention. Good application of compliance with practices is encouraged.

KEY TO NUMBERED CONTROL
STATIONS USED IN ADJUSTMENT
AND CLOSURES

1 SAL, 1977	- .000, - .000
2 PANEL #1 H-62-01, 1977	.000, .000
3 OSGOOD 2, 1906	- .006, - .005
4 SULA, 1934	-4.286, 5.561
5 CRAB, 1934	3.950, -2.254
6 EAST POINT, 1883	-1.260, -2.740
7 PIERCE, 1931 (TARGET #6), 1977	- .430, 2.067
8 MC NEEL, 1852 (TARGET #7), 1977	- .000, - .000
9 WELL (USE) 1912	.002, .001
10 MOTTO, 1933	.375, - .549
11 OSTER, 1933	.112, - .105
12 JACINTO, 1933	.598, - .338
13 TRAVIS, 1933	1.062, -4.842
14 PARRS GROVE (USE), 1900	- .043, .079
15 PATTON, 1932	- .507, - .104
16 GILCHRIST 2, 1963	.448, - .675
17 TURN, 1934	1.460, 4.103
18 MEAD RM #3, 1963	- .067, .164
19 SABINE PASS, SOUTH WEST BASE 1874, 1963	.031, .056

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETTIC DATUM		ORIGINATING ACTIVITY			
		STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>Texas</u> ZONE <u>South Central</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
TP-00218	CM-7702				N.A. 1927	Coastal Mapping Div. Norfolk, Va.	
MATA, 1934	280962 Page 1009	120			X= $\phi 28^{\circ}25'49.341''$ Y= $\lambda 96^{\circ}20'07.092''$	1518.9 (328.1) 193.0 (1439.8)	
MATAGORDA LIGHTHOUSE, 1906	" Page 1011	122			X= $\phi 28^{\circ}20'15.388''$ Y= $\lambda 96^{\circ}25'25.729''$	473.7 (13733) 700.8 (933.4)	
SAL, 1977	Field Traverse	330100			X= 2,833,725.31 Y= 214,902.82	1,729.9 (117.1) 655.8 (977.5)	
DEWBERRY, 1934	280962 Page 1004				X= 2,807,819.60 Y= 213,938.47	1,608.4 (238.6) 389.8 (1243.6)	
PORTO, 1934	" Page 1008				X= 2,810,742.53 Y= 225,414.97	1,392.5 (454.5) 1,056.7 (575.9)	
H-62-01, 1977	Field Pos.				X= 2,844,301.03 Y= 216,719.43		
H-62-02, 1977	Field Pos.				X= 2,834,895.72 Y= 221,187.70		
					X= ϕ Y= λ		
					X= ϕ Y= λ		
					X= ϕ Y= λ		
					X= ϕ Y= λ		
					X= ϕ Y= λ		
COMPUTED BY A.C. Rauck, Jr.	DATE 4/13/78				COMPUTATION CHECKED BY J. Moler	DATE 4/14/78	
LISTED BY A.C. Rauck, Jr.	DATE 3/30/78				LISTING CHECKED BY J. Moler	DATE 4/12/78	
HAND PLOTTING BY C. Blood	DATE 6/18/79				HAND PLOTTING CHECKED BY J. Moler	DATE 6/18/79	

COMPILATION REPORT

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31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. The mean low water line was compiled graphically from tide coordinated infrared low water photography. Control of this photography was by the selection of shoreline pass points common to these photos and to the compilation photography. Photo hydro-support data was not required, nor prepared.

The limits of compilation for this most westerly map of the project was defined by the photo coverage which begins at the western shore of Pass Cavallo.

32. CONTROL:

See the attached Photogrammetric Plot Report., dated March, 1978.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office inspection of the ratioed photographs.

The mean high water line was office edited and refined from the ratioed photographs, after being compiled on the stereo-plotter.

36. OFFSHORE DETAILS:

The shallow and breaker areas were delineated from the panchromatic photography used during compilation.

37. LANDMARKS AND AIDS:

There is one charted Landmark and two prominent features to be investigated for landmark value within the mapping limits of this manuscript.

See Addendum to the Compilation Report.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached form 76-36B, item 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to the Photogrammetric Report, dated March, 1978.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles:

Pass Cavallo, SW, Texas, scale 1:24,000, 1952
Port O'Conner, Tex. " " " " , 1952 photo revised 1973
Decros Point, Tex. " " " " , 1952 " " "

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey charts. No: 11319, scale 1:40,000, 11th ed., Dated Oct. 22, 1977 and No. 11316, scale 1:80,000, 22nd ed., Dated Nov. 12, 1977 and No. 11317, scale 1:50,000, 7th ed., Dated Sept. 18, 1976

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARDED:

None.

Submitted by;

C. Blood
C. Blood

Cartographic Technician

Date: July 5, 1979

Approved:

Jim Byrd for

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00218

FIELD EDIT

When field edit was canceled, July 2, 1980 a Form 76-40, Landmarks for Charts, was inadvertently submitted to Nautical Charts July 31, 1980. This Class III data indicated that the two potential landmark features mentioned in item #37 of the Compilation Report were only photogrammetrically located and are unverified by field methods.

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7702 (Sabine Pass to Pass Cavallo, Texas)

TP-00218

Bayucos Island

Decros Point

Gulf of Mexico

Matagorda Bay

Matagorda Island

Matagorda Peninsula

Mule Slough

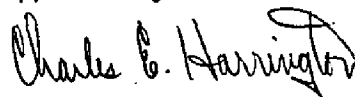
Pass Cavallo

Pelican Shoal

Saluria Bayou

Saluria Islands

Approved by:

Charles E. Harrington
Chief Geographer, C3x5

PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

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1. PROJECTION AND GRIDS FTM	2. TITLE FTM	5. HORIZONTAL CONTROL FTM	11. DETAIL POINTS AND PASS POINTS FTM
12. SHORELINE FTM	13. LOW-WATER LINE FTM	14. ROCKS, SHOALS, ETC. FTM	20. WATER FEATURES FTM
15. BRIDGES FTM	16. AIDS TO NAVIGATION FTM	17. LANDMARKS FTM	18. and 26. ALONGSHORE AND OTHER PHYSICAL FEATURES FTM
19. and 30. ALONGSHORE AND OTHER CULTURAL FEATURES FTM	PROCESSED RATIOS FTM	27. ROADS FTM	28. BUILDINGS FTM
29. RAILROADS FTM	23. and 25. CONTOURS AND SPOT ELEVATIONS N/A	33. GEOGRAPHIC NAMES FTM	34. JUNCTIONS FTM
35. LEGIBILITY OF THE MANUSCRIPT FTM	36. FIELD EDIT OZALID FTM	10. PHOTOGRAMMETRIC PLOT REPORT FTM	37. COMPILATION REPORT FTM
40. REVIEWER F. Mauldin Aug. 6, 1979		SUPERVISOR Albert C. Rauck, Jr.	

41. REMARKS

PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

3. MANUSCRIPT NUMBERS	FORMAT STICK-UP	4. MANUSCRIPT SIZE	5. HORIZONTAL CONTROL
7. PHOTO HYDRO STATIONS	9. PLOTTING OF SEXTANT FIXES	12. SHORELINE	13. LOW-WATER LINE
14. ROCKS, SHOALS, ETC.	15. BRIDGES	16. AIDS TO NAVIGATION	17. LANDMARKS
18. PHYSICAL FEATURES	19. CULTURAL FEATURES	20. WATER FEATURES	PIPELINES, CABLES, ETC.
24. and 25. CONTOURS AND SPOT ELEVATIONS	27. ROADS	28. BUILDINGS	29. RAILROADS
33. GEOGRAPHIC NAMES	34. JUNCTIONS	38. FIELD EDIT PHOTOGRAPHS	36. FIELD EDIT OZALID
37. FIELD EDIT REPORT	GEOGRAPHIC FIX POSITIONS	39. FIELD FORMS	APPROVED TIDES

COMPILER	DATE	40. REVIEWER	DATE	SUPERVISOR
				Albert C. Rauck, Jr.

43. REMARKS

REVIEW REPORT TP-00218

SHORELINE

61. GENERAL STATEMENT:

See the included Summary for this Final Class III map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the aforementioned U.S.G. quadrangles listed in item #46 of the Compilation Report.

The Port O'Conner, Tex quadrangle indicates the shoaling area through Pass Cavallo as Pelican Island; this does not appear to bare at high water and subsequently was compiled as Pelican Shoal.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Coverage of the 1978-79 contemporary hydrographic survey did not include this mapping area.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11319, 1:40,000 scale, 14th Ed., Sept. 27/80 and Chart 11318, 1:50,000 scale; 9th Ed., July 5/80. No significant differences were noted except for the shoreline inclosing Decros Point at Pass Cavallo. The 1.4 foot range of predicted tide in this area allows for numerous photo-interpretations and a conclusive mean high water line can not be absolutely derived without field inspection. Consequently, it is recommended that the currently charted shoreline for this area be retained.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:


Jerry L. Hancock
Jerry L. Hancock
Final Reviewer

Approve for forwarding:


Billy H. Barnes
Billy H. Barnes
Chief, Photogrammetric Branch, AMC

TP-00218

Approved:

for 
Chief, Photogrammetric Branch, Rockville

Approved:


Walter S. Simmons
Chief, Photogrammetry Division