

TP- 00231

TP 00231

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
<i>Map No.</i> TP-00231	<i>Edition No.</i> 1
<i>Job No.</i> CM-7702	
<i>Map Classification</i> FINAL, FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> TEXAS	
<i>General Locality</i> SABINE PASS TO PASS CAVALLO	
<i>Locality</i> HIGH ISLAND	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 77 TO 19 78 </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

- ☒ ORIGINAL
- ☐ RESURVEY
- ☐ REVISED

SURVEY TP. 00231

MAP EDITION NO. (1)

MAP CLASS FINAL

JOB WK-CM-7702

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Atlantic Marine
Center, Norfolk, Virginia

OFFICER-IN-CHARGE

Roy K. Matsushige

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
- ☐ RESURVEY
- ☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation May 10, 1977

Aerotriangulation Oct. 03, 1977

Compilation Feb. 17, 1978

Amendment I Mar. 13, 1978

2. FIELD

Premarking Feb. 3, 1977

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 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	R. Kelly	Mar. 1978
METHOD: <u>Analytic</u>	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	S. Solbeck	Feb. 1978
METHOD: <u>Coradomat 21</u>	CHECKED BY	S. Solbeck	Feb. 1978
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	F. Mauldin	Apr. 1978
COMPILATION	CHECKED BY	L. Neterer, Jr.	Apr. 1978
INSTRUMENT: <u>Wild B-8</u>	CONTOURS BY	NA	
SCALE: <u>1:15,000</u>	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. Mauldin	Apr. 1978
	CHECKED BY	F. Margiotta	May 1978
METHOD: <u>Smooth drafted and graphic</u>	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: <u>1:20,000</u>	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	F. Margiotta	May 1978
6. APPLICATION OF FIELD EDIT DATA	BY	F. Margiotta	Jul. 1978
	CHECKED BY	L. Neterer, Jr.	Aug. 1978
7. COMPILATION SECTION REVIEW	BY	L. Neterer, Jr.	Aug. 1978
8. FINAL REVIEW	BY	J. Hancock	Nov. 1980
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	<i>[Signature]</i>	<i>[Signature]</i> 1981

NOAA FORM 76-36A

SUPERSEDES FORM C&GS 181 SERIES

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00231
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) 152.7mm Focal Lengths 88.47mm Wild RC-8 "E" & RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES **				Central	
<input checked="" type="checkbox"/> REFERENCE STATION RECORDS **				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY **				90th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME (CST)	SCALE	STAGE OF TIDE	
**77C(I)2545 - 2549	3/7/77	09:46	1:40,000	At Mean Low Water 0.8 ft. above MLW Range of tide = 2.0 ft.	
*77E(P)9690 - 9702	3/8/77	09:25	1:30,000		
*Alternate photos					
**Alternate even numbers					

REMARKS

There is no tide coordinated MHW 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

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
OPR-K104	June 1978	H-9769			
MI-78	July 1978	H-9765			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00232	No Survey	TP-00230

REMARKS

None

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

TP-00231

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts ✓	Feb 1977 ✓
2. HORIZONTAL CONTROL	RECOVERED BY R. Tibbetts ✓	Feb 1977 ✓
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Tibbetts ✓	Feb 1977 ✓
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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)9680	GILCHRIST 2, 1963 ✓		

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 ☒ NONE ✓6. 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)

1-Form 76-53 Field inspection report.

TP-00231

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Wagner ✓	Jun 1978
2. HORIZONTAL CONTROL	RECOVERED BY R. Wagner ✓	Jun 1978 ✓
	ESTABLISHED BY None ✓	
	PRE-MARKED OR IDENTIFIED BY None	
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 J. D. Di Mare ✓	Jun 1978
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

77C(I)2546 - 2549 ✓

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None ✓

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE ✓6. 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)

1-Field edit report, 1-Form 76-40 ✓

1-Field edit ozalid ✓

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00231
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	May 25, 1978	Class III manuscript Superseded	June 15, 1978	May 31, 1978
Field edit applied compilation complete	July 1978	Class I manuscript	Aug. 28, 1978	Aug. 29, 1978
Final Review	Nov. 1980	Final Map	Feb. 27/81	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Aug. 29, 1978	Landmarks for charting

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: August 29, 19783. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

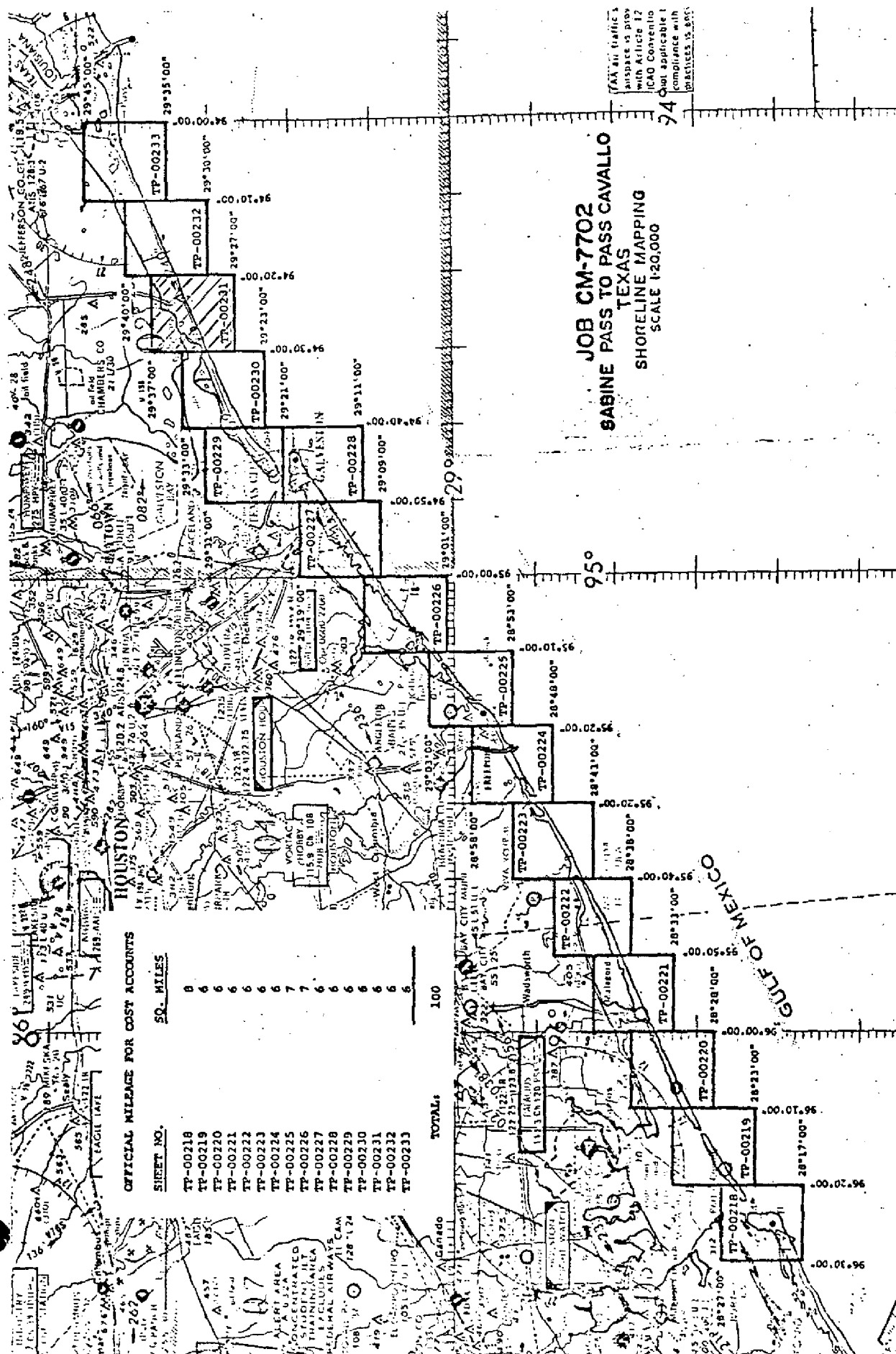
III. FEDERAL RECORDS CENTER DATA

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:

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-00321

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 purpose of these maps was to provide contemporary shoreline data in the support of hydrographic operations and to furnish data for nautical chart revision.

The contemporary hydrographic operation, K104-MI-78 & 79, consisted of six, 1:20,000 scale smoothsheets that were verified and registered at the time a final comparison with the shoreline maps was made. The hydrographic survey limits originated at Lat. $29^{\circ}36'$, Long. $94^{\circ}15'$ and extended Southwest to Lat. $29^{\circ}09'$, Long. $95^{\circ}02'$, excluding the inshore area of Galveston Bay Entrance, Bolivar Roads.

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 May, 1978, the field edit operation was completed in June, 1978 and field edit data was applied in August, 1978.

Final review was performed at the Atlantic Marine Center in Nov. 1980. During this operation, conflicting data associated with the contemporary hydrographic survey became apparent and the problem was resolved through correspondence with Hydrographic Surveys Division; this issue is further discussed in the Review Report Item #64.

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-00231

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 STATON 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).

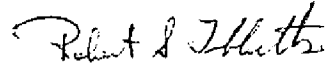
8. Tide Observations and Records for Tide-Coordinated Photography

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 Stateplane 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.

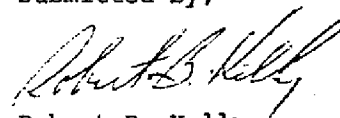
24. Supplemental Data

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.

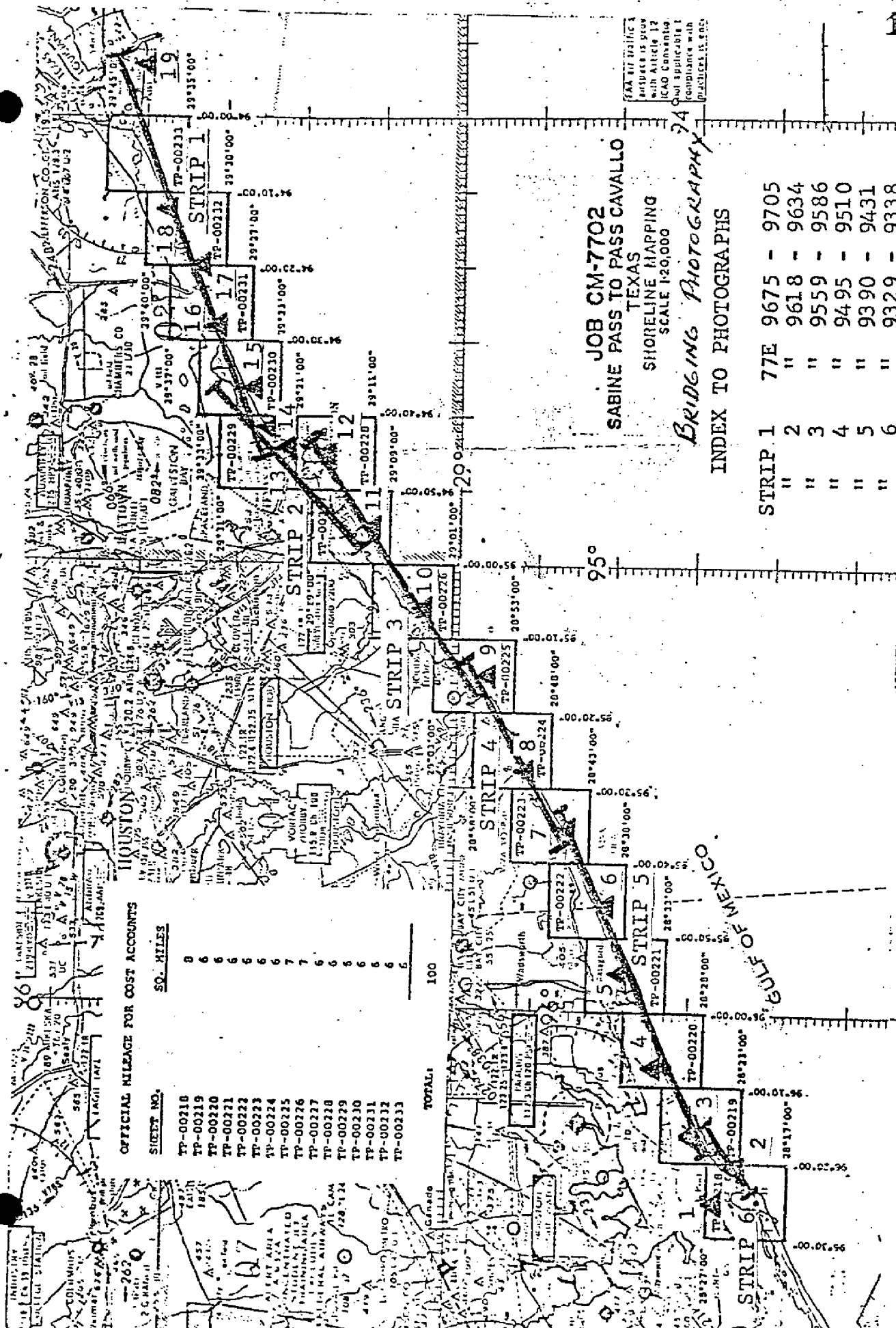
Submitted by,


Robert B. Kelly

Approved and forwarded:



Don O. Norman
Acting Chief, Aerotriangulation Section



JOB CM-7702
SABINE PASS TO PASS CAVALLO
TEXAS
SHORELINE MAPPING
SCALE 1:20,000

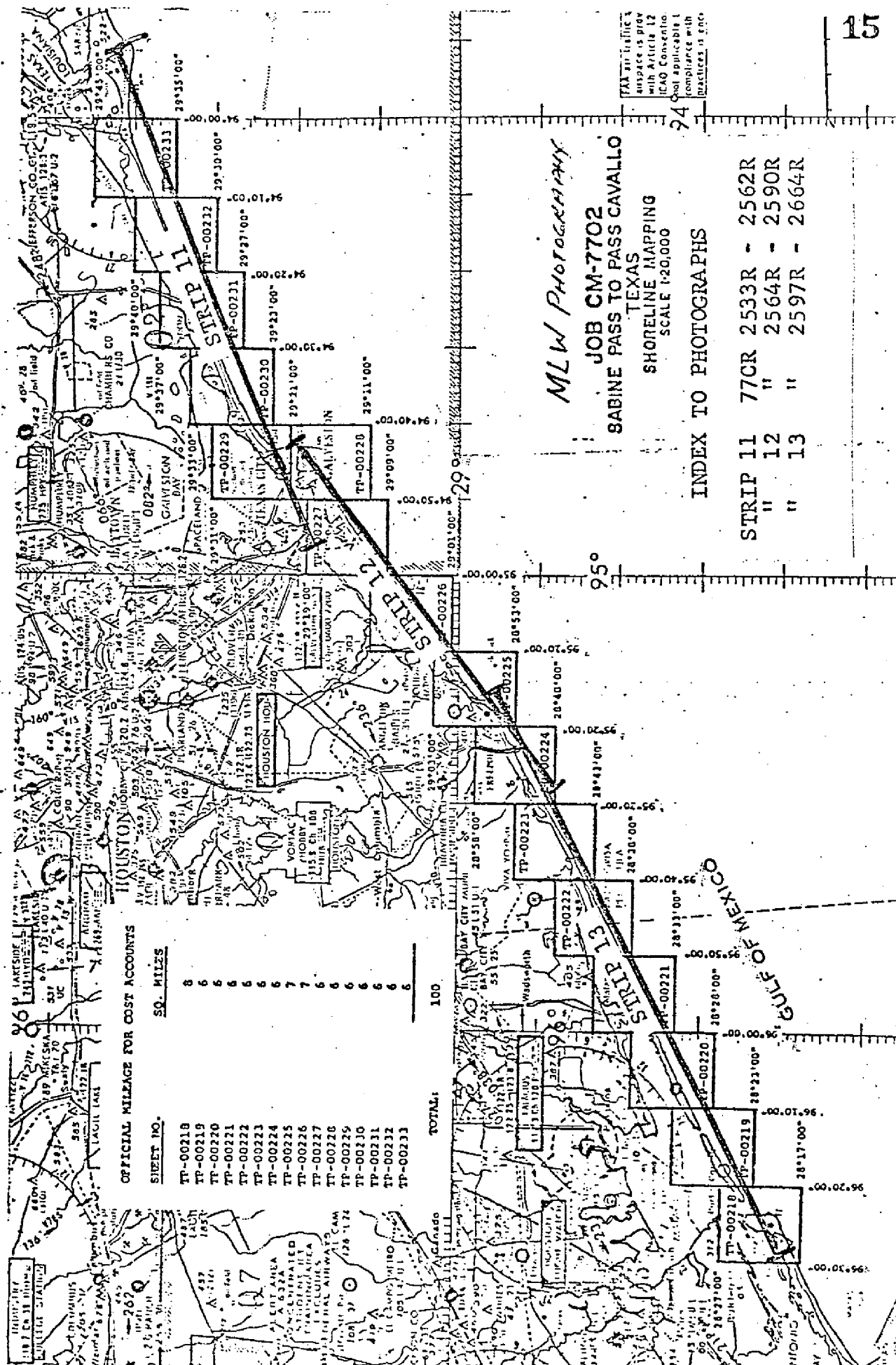
BRIDGING PHOTOGRAPHY
INDEX TO PHOTOGRAPHS

STRIP 1	77E	9675	-	9705
"	"	"	-	9634
"	"	"	-	9586
"	"	"	-	9510
"	"	"	-	9431
"	"	"	-	9338

OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	SQ. MILES
TP-00218	8
TP-00219	6
TP-00220	6
TP-00221	6
TP-00222	6
TP-00223	6
TP-00224	6
TP-00225	7
TP-00226	7
TP-00227	6
TP-00228	6
TP-00229	6
TP-00230	6
TP-00231	6
TP-00232	6
TP-00233	6
TOTAL:	100

SEA LEVEL
SURFACE IS 900
WITH ARTICLE 12
ICAD CONVENTION
CHART APPLICABLE
COMPLIANCE WITH
PRACTICES IS 900



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 SABENE PASS, SOUTH WEST BASE 1874, 1963	.031, .056

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			N.A. 1927			STATE TEXAS		ϕ LATITUDE	λ LONGITUDE	
						ZONE SOUTH CENTRAL				
TP-00231	HIGH ISLAND, ST. MATHEWS METHODIST CHURCH, SPIRE, 1963	CM-7702	290941	P. 1051	21	X=	Y=	ϕ 29 33 53.479		1646.6 200.8
								λ 94 23 32.887		885.3 729.8
	HIGHLAND 2, (U.S.E.), 1872	P. 1023	"	"	21	X=	Y=	ϕ 29 33 51.302		1579.5 267.8
								λ 94 23 09.667		260.2 1354.9
	HIGH ISLAND J.W. MECOM TRANSPORTATION CO. MAST, 1963	Pg. 1049	"	"	21	X=	Y=	ϕ 29 33 29.882		920.0 927.3
								λ 94 23 49.178		1323.9 291.3
	LANO, 1963	Pg. 1025	"	"	22	X=	Y=	ϕ 29 33 12.2335		376.6 1470.7
								λ 94 22 39.8150		1071.8 543.5
	HOLT, 1963	Pg. 1024	"	"	23	X=	Y=	ϕ 29 31 47.9683		1476.9 370.4
								λ 94 26 30.8417		830.7 785.3
	GILCHRIST 2, 1963	Pg. 1018	"	"	683100	X=	Y=	ϕ 29 30 52.8929		1628.5 218.8
								λ 94 29 05.8675		158.0 1457.9
						X=	Y=	ϕ		
						X=	Y=	λ		
						X=	Y=	ϕ		
						X=	Y=	λ		
						X=	Y=	ϕ		
						X=	Y=	λ		
						X=	Y=	ϕ		
						X=	Y=	λ		
COMPUTED BY	F. Mauldin	DATE	Apr. 12, 1978			COMPUTATION CHECKED BY		C. Blood		DATE
LISTED BY	A.C. Rauck, Jr.	DATE	Mar. 31, 1978			LISTING CHECKED BY		F. Mauldin		DATE
HAND PLOTTING BY	F. Mauldin	DATE	Apr. 12, 1978			HAND PLOTTING CHECKED BY		C. Blood		DATE

COMPILATION REPORT

TP-00231

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 shore-line pass points common to these photographs and to the compilation photography. Photo hydro-support data was not required, nor prepared.

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. Ditches were compiled from the stereo-models.

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:

None.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion. One charted landmark tank and several other uncharted towers and tanks, thought to be of landmark value, were compiled from the stereo-models.

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 Photogrammetric Plot Report, dated March, 1978.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles: High Island, TX, scale 1:24,000, 1962. Mud Lake, TX, scale 1:24,000, 1961.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey Chart No. 11331, scale 1:40,000 6th edition, dated August 13, 1977; No. 11332, scale 1:80,000, 14th edition, dated February 12, 1977.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARDED

None.

Submitted By:

Fay T Mauldin

Fay Mauldin

Cartographer

April 28, 1978

Approved:

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00231

FIELD EDIT

Field edit was adequate. One charted landmark TANK was verified and one uncharted MICRO TOWER was recommended for charting.

9/19/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00231

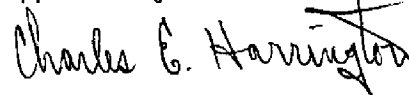
Gilchrist

Gulf of Mexico

High Island

Rollover Pass

Approved by:

Charles E. Harrington
Chief Geographer, C3x5

PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

22

TP- 00231

1. PROJECTION AND GRIDS F.P.M.	2. TITLE C.B.	5. HORIZONTAL CONTROL F.P.M.	11. DETAIL POINTS AND PASS POINTS F.P.M.
12. SHORELINE F.P.M.	13. LOW-WATER LINE F.P.M.	14. ROCKS, SHOALS, ETC. F.P.M.	20. WATER FEATURES F.P.M.
15. BRIDGES F.P.M.	16. AIDS TO NAVIGATION F.P.M.	17. LANDMARKS F.P.M.	18. and 26. ALONGSHORE AND OTHER PHYSICAL FEATURES F.P.M.
19. and 30. ALONGSHORE AND OTHER CULTURAL FEATURES F.P.M.	PROCESSED RATIOS N.A.	27. ROADS F.P.M.	28. BUILDINGS F.P.M.
29. RAILROADS F.P.M.	23. and 25. CONTOURS AND SPOT ELEVATIONS N.A.	33. GEOGRAPHIC NAMES F.P.M.	34. JUNCTIONS F.P.M.
35. LEGIBILITY OF THE MANUSCRIPT F.P.M.	36. FIELD EDIT OZALID F.P.M.	10. PHOTOGRAMMETRIC PLOT REPORT F.P.M.	37. COMPILATION REPORT F.P.M.
40. REVIEWER F. Margiotta May 1978		SUPERVISOR Albert C. Rauck, Jr.	

41. REMARKS

PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

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

COMPILER Frank Margiotta	DATE July 1978	40. REVIEWER Lowell O. Neterer, Jr.	DATE Aug. 22, 1978	SUPERVISOR Albert C. Rauck, Jr.
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43. REMARKS

Se- 76-36C item #8.

FIELD EDIT REPORT TP-00231, JOB CM-770251. METHODS

The shoreline was inspected from a truck and walking where necessary.

The Mt. Mitchell has confirmed that they will locate all objects from the surf line seaward.

Two landmarks are recommended for charting. Form 76-40 is submitted.

Field edit notes will be found on the Master Field Edit Ozalid and photographs.

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: 6/27/78

Joseph D. Di Mare
Joseph D. Di Mare
Surveying Technician

REVIEW REPORT TP-00231

SHORELINE

61. GENERAL STATEMENT:

See the Summary included in this descriptive report.

The name for this map was changed to High Island since the adjoining map, TP-00232, East of High Island makes reference to the name.

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.S. quadrangles listed in item #46 of the Compilation Report, No significant differences were noted.

See item #64 of this Review Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the final verified copy of smoothsheets H-9769, June 1978 and H-9765, July 1978 of the contemporary hydrographic survey OPR-K104-MI-78. Conflicting information concerning two "groins" at Rollover Pass were investigated through information furnished by the U.S. Army Corps of Engineers, Galveston District. This data consisted of a House Document No. 286, a 1976 beach erosion controlled mosaic and two color slides dated March 1977 and June 1979. This information revealed the nonexistence of the "groins" mapped on smoothsheet H-9769; subsequently, corrective proceedings were implemented. See chart letter dated Nov. 26, 1980 to Deputy Chief, Hydrographic Surveys Division.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11331; 1:40,000 scale, 9th Ed., Aug. 2/80 and Chart 11332, 1:80,000 scale, 16th Ed., Feb. 17/79. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the 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

Approved for forwarding:

Billy H. Barnes

Billy H. Barnes
 Chief, Photogrammetric Branch, AMC

Approved:

for John D. Perrow Jr.

Chief, Photogrammetric Branch, Rockville

Approved:

Walter S. Simmons

Walter S. Simmons
 Chief Photogrammetry Division



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

27

DATE: Nov. 26, 1980

TO: Dale Westbrook
Deputy Chief, Hydrographic Surveys Division
OA/C35X1

FROM: Jerry Hancock *Jerry Hancock*
Coastal Mapping Final Review, AMC
CAM 52X1

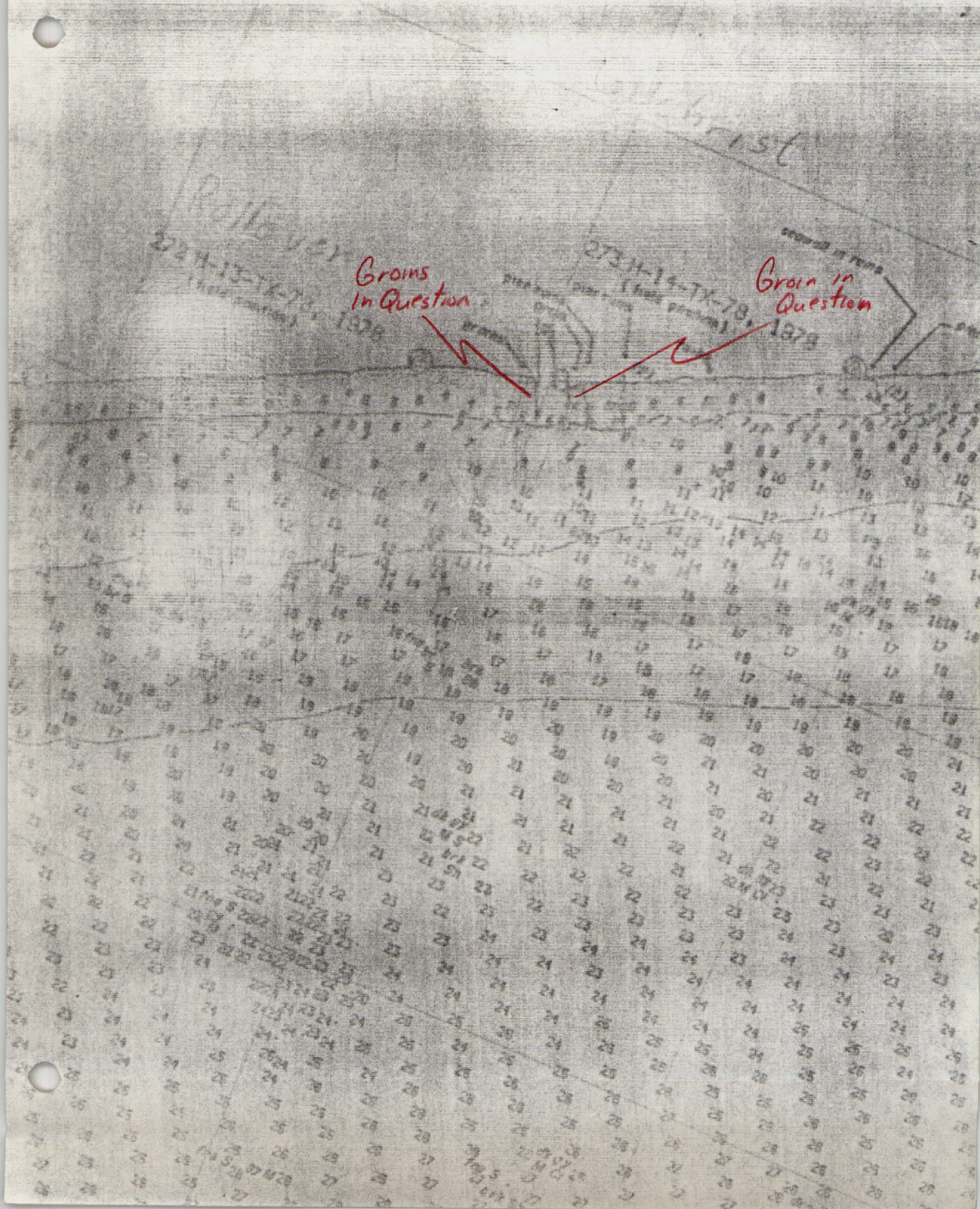
SUBJECT: Discrepancy between Photogrammetry and Hydrography, Proj. K-104

Conflicting information between shoreline map TP-00231 and Hydrographic Survey MI-20-2-78, H-9765 was investigated at AMC through information supplied by the Galveston, Texas District U.S. Army Corps of Engineers. Two groins compiled on verified hydro sheet H-9765 in the vicinity of Rollover Pass (Lat. $29^{\circ}30.4'$, Long. $94^{\circ}30.0'$) are not visible on 1977 NOS photography nor do they appear on the 1979 photo slide submitted by the Corps of Engineers. In conversation with Mr. S. Tanner, at the Galveston district office, the bulkheaded pass is the same as initially constructed and groins do not extend beyond the structure. The final reviewed shoreline manuscript displays this area and agrees with the Corps of Engineers data.

cc:

OA/C352
OA/C3222





TP-00231
(INSERT)

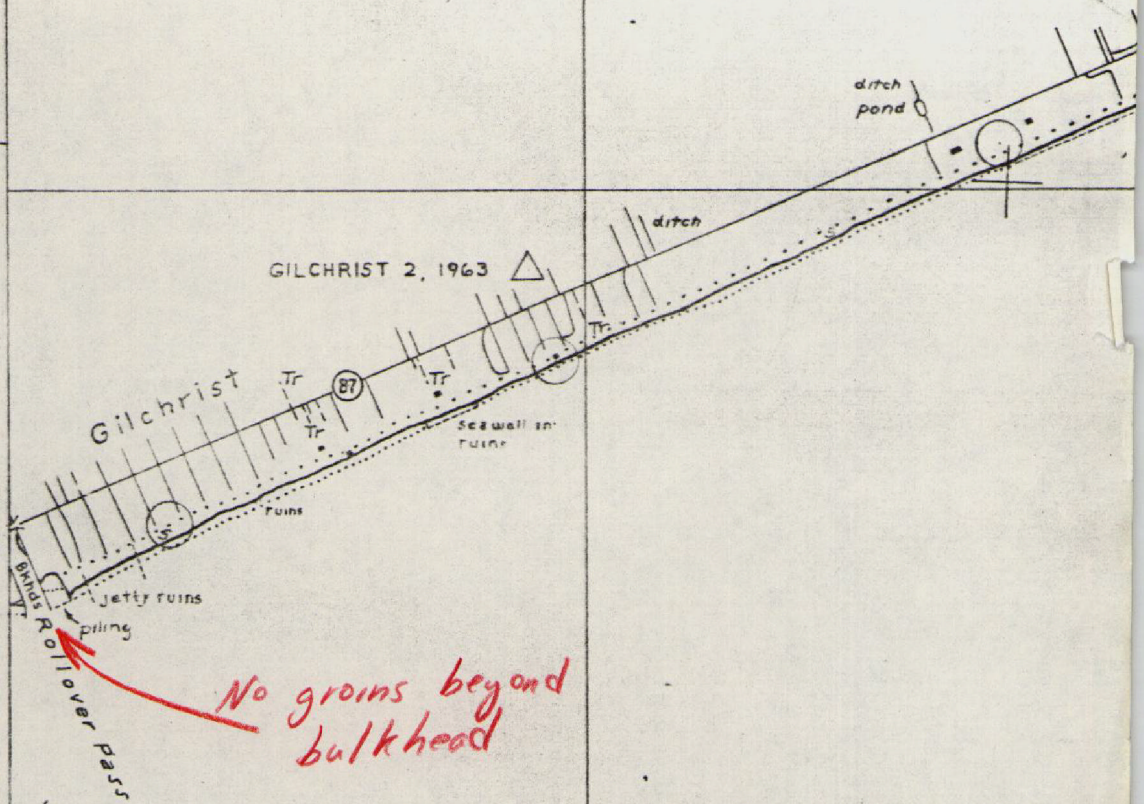
Final Reviewed

29° 32'

Y=640000 FT

29° 31'

GILCHRIST 2, 1963



29° 30'

Y=630000 FT

29° 30'

29° 29'