TP-00230

TP 00230

NOAA FORM 76-35
(3-76)

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

DESCRIPTIVE REPORT

Map No.	*Edition No.*
TP-00230	1

Job No.
CM-7702

Map Classification
FINAL, FIELD EDITED MAP

Type of Survey
SHORELINE

LOCALITY

State
TEXAS

General Locality
SABINE PASS TO PASS CAVALLO

Locality
CAPLEN

19 77 TO 19 78

REGISTRY IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE:1976-669-248

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00230

MAP EDITION NO. (1)

MAP CLASS FINAL

JOB ~~PH~~- CM-7702

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division, Atlantic Marine Center, Norfolk, Va. 23510

OFFICER-IN-CHARGE: Roy, K. Matsushige

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	May 10, 1977	Premarking	Feb. 3, 1977
Aerotriangulation	Oct, 03, 1977		
Compilation	Feb. 17, 1978		
Amendment I	Mar. 13, 1978		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] 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 METHOD: Analytic	BY	R. Kelly	Mar. 1978
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat 21	PLOTTED BY	S. Solbeck	Feb. 1978
	CHECKED BY	S. Solbeck	Feb. 1978
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	F. Mauldin	Apr. 1978
	CHECKED BY	L. Neterer, Jr.	Apr. 1978
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth draft and graphic SCALE: 1:20,000	PLANIMETRY BY	F. Mauldin	Apr. 1978
	CHECKED BY	C. Blood	May 1978
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	C. Blood	May 1978
6. APPLICATION OF FIELD EDIT DATA	BY	F. Margiotta	Jul. 1978
	CHECKED BY	A. Rauck	Aug. 1978
7. COMPILATION SECTION REVIEW	BY	A. Rauck	Aug. 1978
8. FINAL REVIEW	BY	J. Hancock	Nov. 1978
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	R. D. Moore	OCT 1981

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

TP-00230

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) 152.71mm focal lengths 88.47mm
Wild RC-8 "E" & RC-10 "C"

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES *
- [X] REFERENCE STATION RECORDS **
- [X] TIDE CONTROLLED PHOTOGRAPHY **

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Central [X] STANDARD [ ] DAYLIGHT
MERIDIAN: 90th

NUMBER AND TYPE	DATE	TIME (CST)	SCALE	STAGE OF TIDE
**77C(I)2550 - 2553	3/7/77	09:46	1:40,000	At Mean Low Water
*77E(P)9678 - 9690	3/8/77	09:25	1:30,000	0.8 ft. above MLW
*Alternate photos				Range of tide = 2.0 ft.
**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-MI-78	July 1978	H-9765			
	Aug. 1978	H-9774			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00231	No Survey	TP-00229

REMARKS

NOAA FORM 76-36C
(3-72)

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

TP-00230

HISTORY OF FIELD OPERATIONS

I. [X] 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: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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
76E(P)9680	PATTON, 1932		

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] 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.

☆U.S. Government Printing Office: 1975 – 665-661/1110, Region No. 6

NOAA FORM 76-36C
(3-72)

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

TP-00230

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Wagner	June 1978
2. HORIZONTAL CONTROL	RECOVERED BY	R. Wagner & J.Di Mare	June 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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Wagner	June 1978
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

77C(I)2551 & 2553

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)*

Field edit report
2 76-40 Forms
1 Field edit ozalid

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36D
(3-72)

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

TP-00230

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	5/5/78	Class III manuscript Superseded	6/15/78	5/5/78
Field edit applied. Compilation complete	July 1978	Class I manuscript	8/28/78	8/28/78
Final Review	Nov. 1980	FinalMap	2/27/81	

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	3 Landmarks for charts

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: August 29, 1978
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS 76-40 ~~567~~ SUBMITTED BY FIELD PARTIES.
3. [X] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

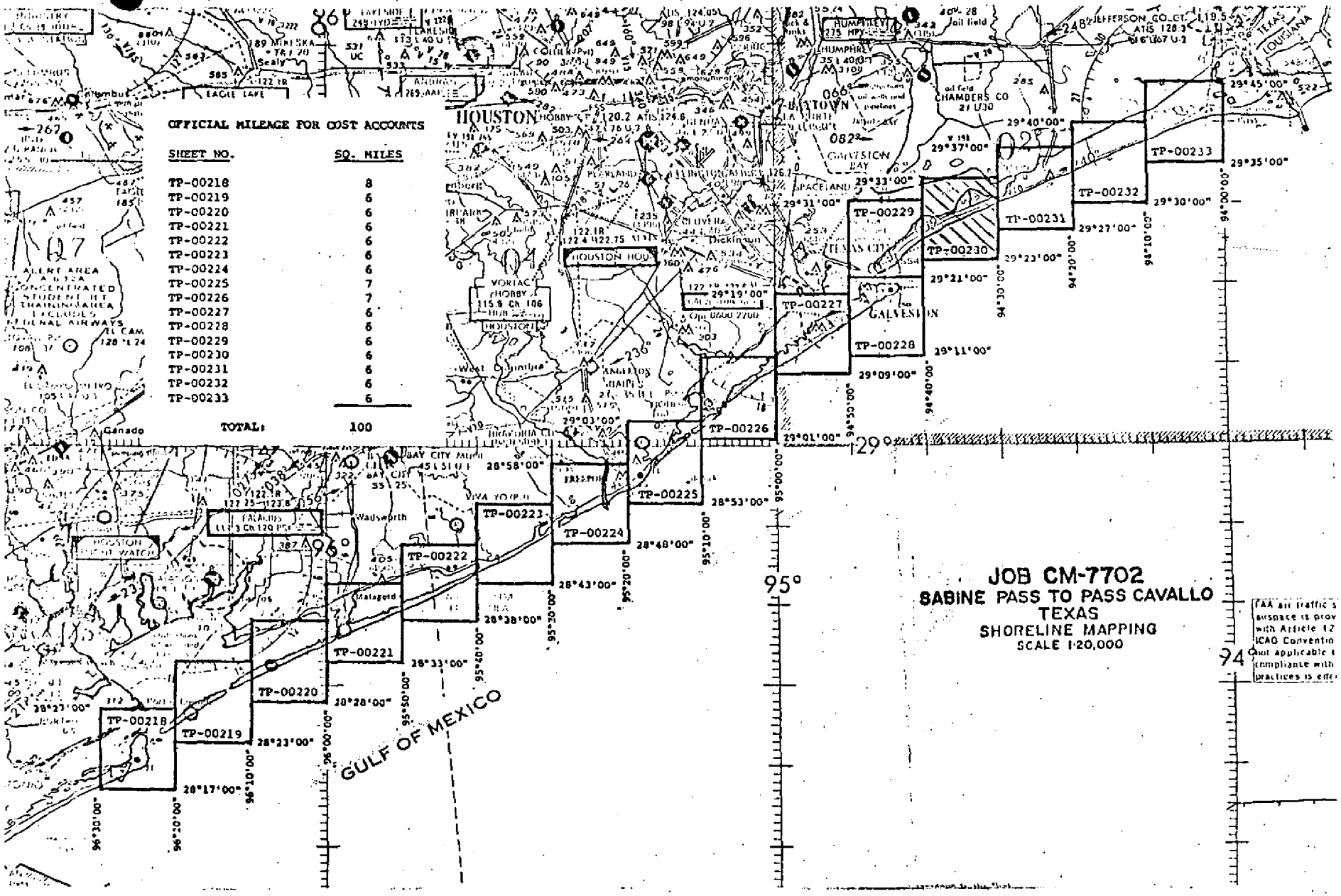
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ 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	

NOAA FORM 76-36D

☆U.S. Government Printing Office: 1975 — 665-661/1108, Region No. 6


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
HOUSTON
GALVESTON
GULF OF MEXICO
JOB CM-7702
SABINE PASS TO PASS CAVALLO
TEXAS
SHORELINE MAPPING
SCALE 1:20,000
95°
94°
29°
TP-00230
05

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00230

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 correspondance letter dated July2,1980 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°36', Long. 94°15' and extended Southwest to Lat. 29°09', Long. 95°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. The original base manuscript and all pertinent data was 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-00230

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.

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, consistant quality, definition and absent of haze.

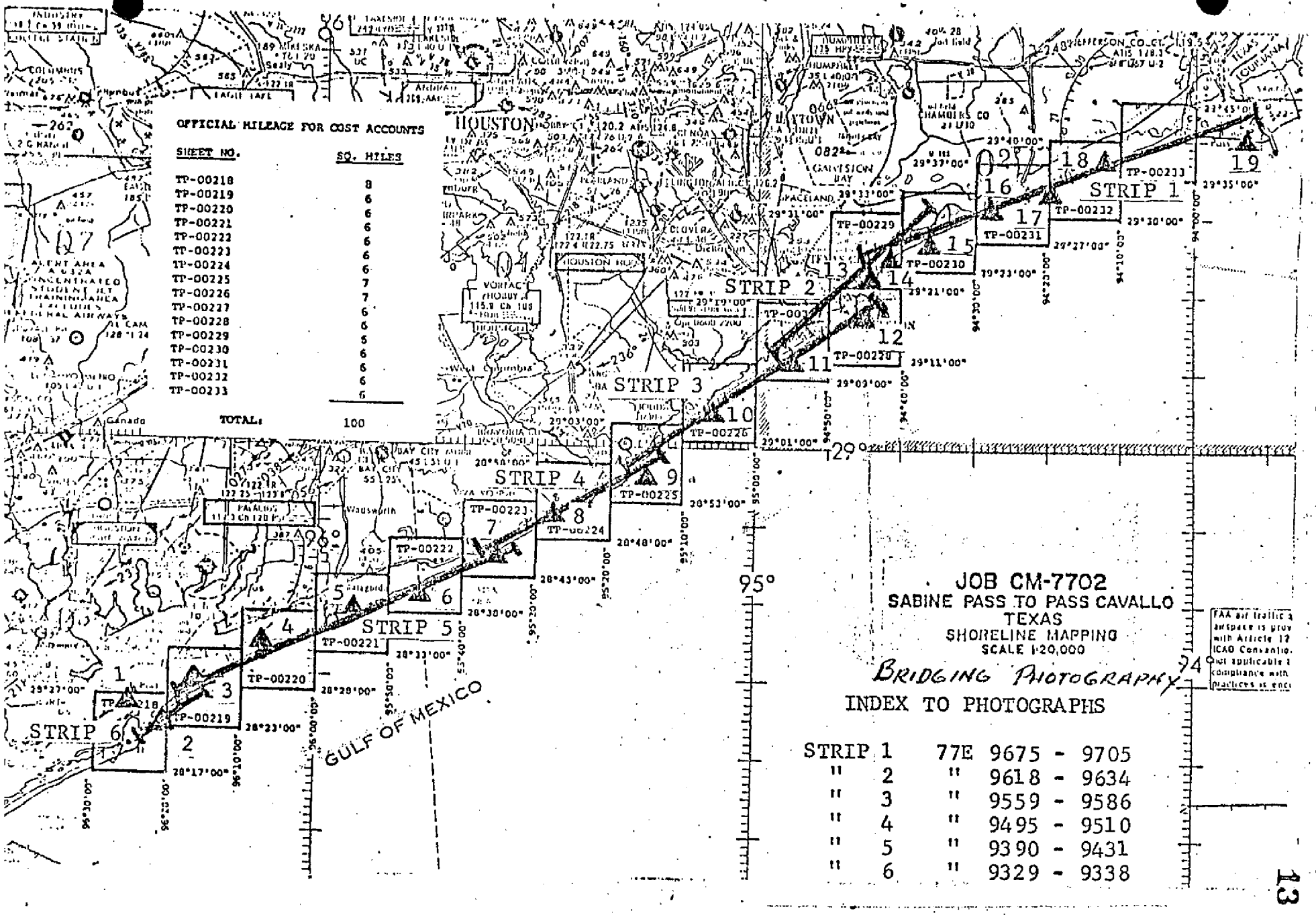
Submitted by,

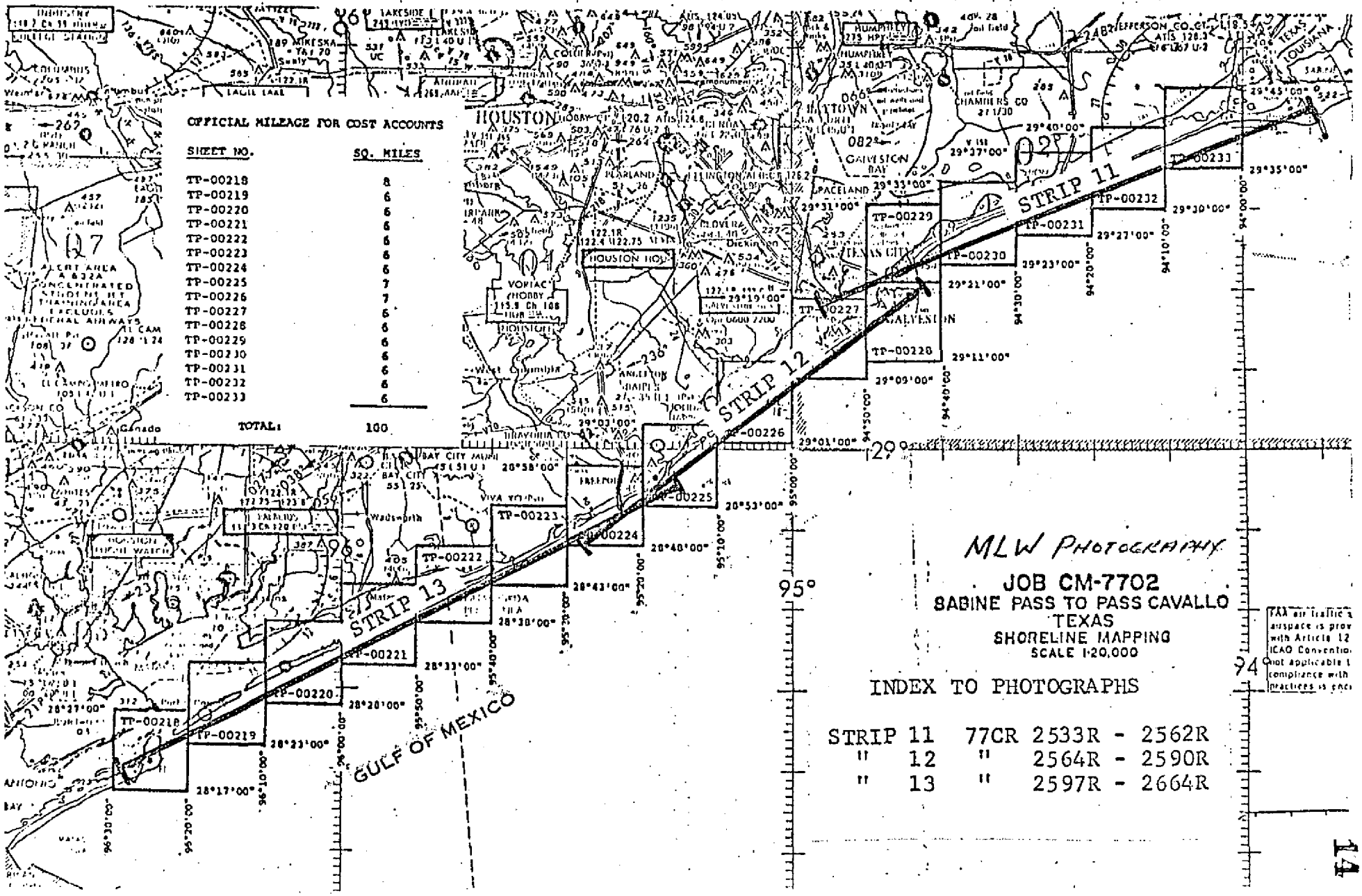
Robert B. Kelly

Approved and forwarded:

Don O. Norman

Don O. Norman
Acting Chief, Aerotriangulation Section


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 5
TP-00230 6
TP-00231 6
TP-00232 6
TP-00233 6
TOTAL: 100
STRIP 1
STRIP 2
STRIP 3
STRIP 4
STRIP 5
STRIP 6
HOUSTON
GULF OF MEXICO
95°
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
" 2 " 9618 - 9634
" 3 " 9559 - 9586
" 4 " 9495 - 9510
" 5 " 9390 - 9431
" 6 " 9329 - 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
STRIP 11
STRIP 12
STRIP 13
GULF OF MEXICO
HOUSTON
GALVESTON
TEXAS CITY
BAY CITY
MLW PHOTOGRAPHY
JOB CM-7702
SABINE PASS TO PASS CAVALLO
TEXAS
SHORELINE MAPPING
SCALE 1:20,000
INDEX TO PHOTOGRAPHS
STRIP 11 77CR 2533R - 2562R
" 12 " 2564R - 2590R
" 13 " 2597R - 2664R
95°
94°
29°

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

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00230	CM-7702	N.A. 1927	Coastal Mapping Division, AMC, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Texas ZONE South Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
PIERCE, 1963	290944 Pg. 1023	496100	x=	φ 29 30 01.2959	39.9 1807.4
			y=	λ 94 31 16.9188	455.7 1160.4
CAPLEN, 1932	290943 Pg. 1006	29 -	x=	φ 29 29 54.187	1668.4 178.9
			y=	λ 94 31 31.793	856.4 759.7
CADE, 1963	290943 Pg. 1005	30	x=	φ 29 29 01.4696	45.2 1802.1
			y=	λ 94 33 50.3686	1356.9 259.5
PATTON, 1932	290943 Pg. 1022	678100	x=	φ 29 27 44.894	1382.2 465.1
			y=	λ 94 37 23.220	625.7 991.1
			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	A. C. Rauck, Jr.	DATE	4/17/78	COMPUTATION CHECKED BY J. Moler	DATE 4/17/78
LISTED BY	A. C. Rauck, Jr.	DATE	3/31/78	LISTING CHECKED BY J. Moler	DATE 4/17/78
HAND PLOTTING BY	F. Mauldin	DATE	4/20/78	HAND PLOTTING CHECKED BY C. Blood	DATE 4/78

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

69

COMPILATION REPORT

TP-00230

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 points 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. Drainage was 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, afrer 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. Three landmark tanks were positioned from the stereo-models. There were no fixed aids within the mapped area.

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 Plot Report, dated March, 1978.

46. COMPARISON WITH EXISTING MAPS:

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

Flake, Tex. scale 1:24,000, 1954, Photorevised 1969
Caplen, Tex. scale " 1954, Photorevised 1969
Frozen, Point Tex, scale " , 1962.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey charts:

11324, scale 1:25,000, 14th edition. Dated Sept. 4, 1976
11323, scale 1:80,000, 39th edition. Dated Apr. 9, 1977
11331, scale 1:40,000, 6th edition. Dated Aug. 13, 1977

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:
Fay T Mauldin
Fay Mauldin
Cartographer
April 26, 1978

Approved:
Jim Byrd for
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00230

FIELD EDIT

Field edit was adequate.

According to the field editor, the two lankmark Tanks at Lat. $29^{o}29.8$, Long. $94^{o}33.9'$ are valuable as landmarks primarily to the Intracoastal waterway and secondary to the Gulf of Mexico.

9/19/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00230

Bolivar Peninsula

Caplen

Crystal Beach (Ppl)

Freshwater Bayou

Gulf of Mexico

Rollover

Rollover Pass

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer, C3x5

PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

TP- 00230

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

40. REVIEWER: Charles Blood

SUPERVISOR: Albert C. Rauck, Jr.

41. REMARKS

PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

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

COMPILER — DATE	40. REVIEWER — DATE	SUPERVISOR
F. Marigotta July, 1978	A. Rauck Aug. 1978	Albert C. Rauck, Jr.

43. REMARKS

See forms 76-53, items 3 and 8.

FIELD EDIT REPORT TP-00230, JOB CM-7702

51. 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.

One landmark is 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
Surveying Technician

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [XX] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div., AMC, Norfolk, VA

STATE: TEXAS

LOCALITY: Sabine Pass to Pass Cavallo

DATE: July 1978

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
K-104	CM-7702	TP-00230	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° / // D.M. Meters	POSITION LONGITUDE ° / // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TANK	Water tank ht= 170 ft.	29-27 27 836	94-38 11 290	77C(1)2552 March 7, 1977	F-V-Vis June 18, 1978	11323 11331
* TANK	North of two	29-29 44 1355	94-33 49 1333	77C(1)2550 March 7, 1977	F-V-Vis	" "
* TANK	South of two	29-29 43 1339	94-33 49 1326	" "	F-V-Vis	" "
*	These two tanks were left on the manuscript, because field editor said visible from intra coastal waterway not visible from Gulf of Mexico					

RESPONSIBLE PERSONNEL

TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	J. D. Di Mare	[X] PHOTO FIELD PARTY [ ] HYDROGRAPHIC PARTY [ ] GEODETIC PARTY [ ] OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	J. D. Di Mare	FIELD ACTIVITY REPRESENTATIVE
	F. Margiotta	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		[ ] REVIEWER [ ] QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64.

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.
EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.
EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S. GPO:1975-0-665-080/1155

REVIEW REPORT TP-00230

SHORELINE

61. GENERAL STATEMENT:

See the Summary included in this Descriptive Report.

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.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the final verified copy of smooth sheets H-9765, July, 1978 and H-9774, Aug. 1978 of the contemporary hydrographic survey OPR-K104-MI-78. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following Nautical Charts:
11324, 1:25,000 scale, 18th ed., Aug. 30/80
11331, 1:40,000 scale, 9th ed., Aug. 2/80
11323, 1:80,000 scale, 43th ed., Apr. 12/80

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
Final Reviewer

Approved for forwarding:
Billy H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: John D. Perron Jr.
for Chief, Photogrammetric Branch, Rockville

Approved:
Walter S. Simmons
Chief, Photogrammetry Division