

TP- 00227

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TP- 00227

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-00227	<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> GALVESTON ISLAND, WEST BEACH	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 77 TO 19 79 </div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP-00227	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS FINAL	
				<input type="checkbox"/> REVISED		JOB PH CM-7702	
PHOTOGRAMMETRIC OFFICE COASTAL MAPPING DIVISION ATLANTIC MARINE CENTER, NORFOLK, VA.				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE ROY K. MATSUSHIGE				TYPE OF SURVEY		JOB PH- _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation May 10, 1977				Premarking Feb. 3, 1977			
" " Oct. 3, 1977							
Compilation Feb. 17, 1978							
Amendment I Mar. 13, 1978							
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER				OTHER (Specify)			
<input checked="" type="checkbox"/> MEAN LOW-WATER				Gulf Coast Low Water Datum			
<input type="checkbox"/> MEAN LOWER LOW-WATER							
<input type="checkbox"/> MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Lambert Conformal Conic				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: Analytic LANDMARKS AND AIDS BY				None			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		Feb. 1978	
METHOD: Coradomat 21 CHECKED BY				" "		" "	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R. Kravitz		July 1978	
COMPILATION CHECKED BY				L. Neterer		" "	
INSTRUMENT: Wild B-8				CONTOURS BY		NA	
SCALE: 1:15,000				CHECKED BY		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Kravitz		July 1978	
CHECKED BY				F. Margiotta		Aug. 1978	
METHOD: Smooth drafted and graphic				CONTOURS BY		NA	
CHECKED BY				NA			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				NA			
CHECKED BY				NA			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Aug. 1978	
6. APPLICATION OF FIELD EDIT DATA BY				C. Blood		Aug. 1979	
CHECKED BY				I. Perkinson		Sept. 1979	
7. COMPILATION SECTION REVIEW BY				" "		" "	
8. FINAL REVIEW BY				J. Hancock		Dec. 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				R. Kelly		OCT 1981	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00227
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Focal LENGTHS 152.71 mm 88.47 mm Wild R.C. 8 "E" and R.C. 10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Central MERIDIAN 90th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES * <input checked="" type="checkbox"/> REFERENCE STATION RECORDS ** <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY **					
NUMBER AND TYPE	DATE	TIME (CST)	SCALE	STAGE OF TIDE	
** 77C(I)-2569-2574	Mar. 7, 1977	10:15	1:40,000	At Mean Low Water	
* 77E(P)-9587-9602	Mar. 7, 1977	14:53	1:30,000	0.7ft. above MLW	
* Alternate photos.				Range of Tide = 1.2 ft.	
** Alternate even numbers					

REMARKS

There is no tide coordinate 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

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

*The mean low water line was compiled graphically 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-79	Sept. 1979	H-9838			
	Aug. 1979	H-9843			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
North Surveys	TP-00228	No Survey	TP-00226

REMARKS

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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 D.F.	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 <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)9593	OSTER, 1933		

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)

1-form 76-53, Field inspection report.

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

TP-00227

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	Aug. 1979
2. HORIZONTAL CONTROL	RECOVERED BY P. Walbolt	Aug. 1979
	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	
	IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input checked="" type="checkbox"/> SPECIFIC NAMES ONLY	
	<input type="checkbox"/> NO INVESTIGATION	
	P. Walbolt	Aug. 1979
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY P. Walbolt	Aug. 1979
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)

7 March 77E(P) 9599

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, 3-form 76-53, 3-form 76-69, Field edit ozalid.

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

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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	July 1978	Class III Superseded	Aug. 2, 1978	Mar. 16, 1978
Field edit applied compilation complete	Aug. 1979	Class I Manuscript	Feb. 21, 1980	Feb. 21, 1980
Final Review	Dec. 1980	Final (Amended data Supersedes Class I)	Dec. 9, 1980	
Final Review	Dec. 1980	Final Map	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		Feb. 15, 1980	Aero aid for charting. (Superseded)
1		" "	Landmarks for charting. (Superseded)
1		" "	" " deletion. (Superseded)
1		Dec. 9, 1980	Aero aid for charting. (Amended)
1		" " "	Landmarks for charting. (Amended)
1		" " "	" " deletion. (Amended)

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Feb. 15, 1980; Dec. 9/803. ☒ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: Feb. 15/80

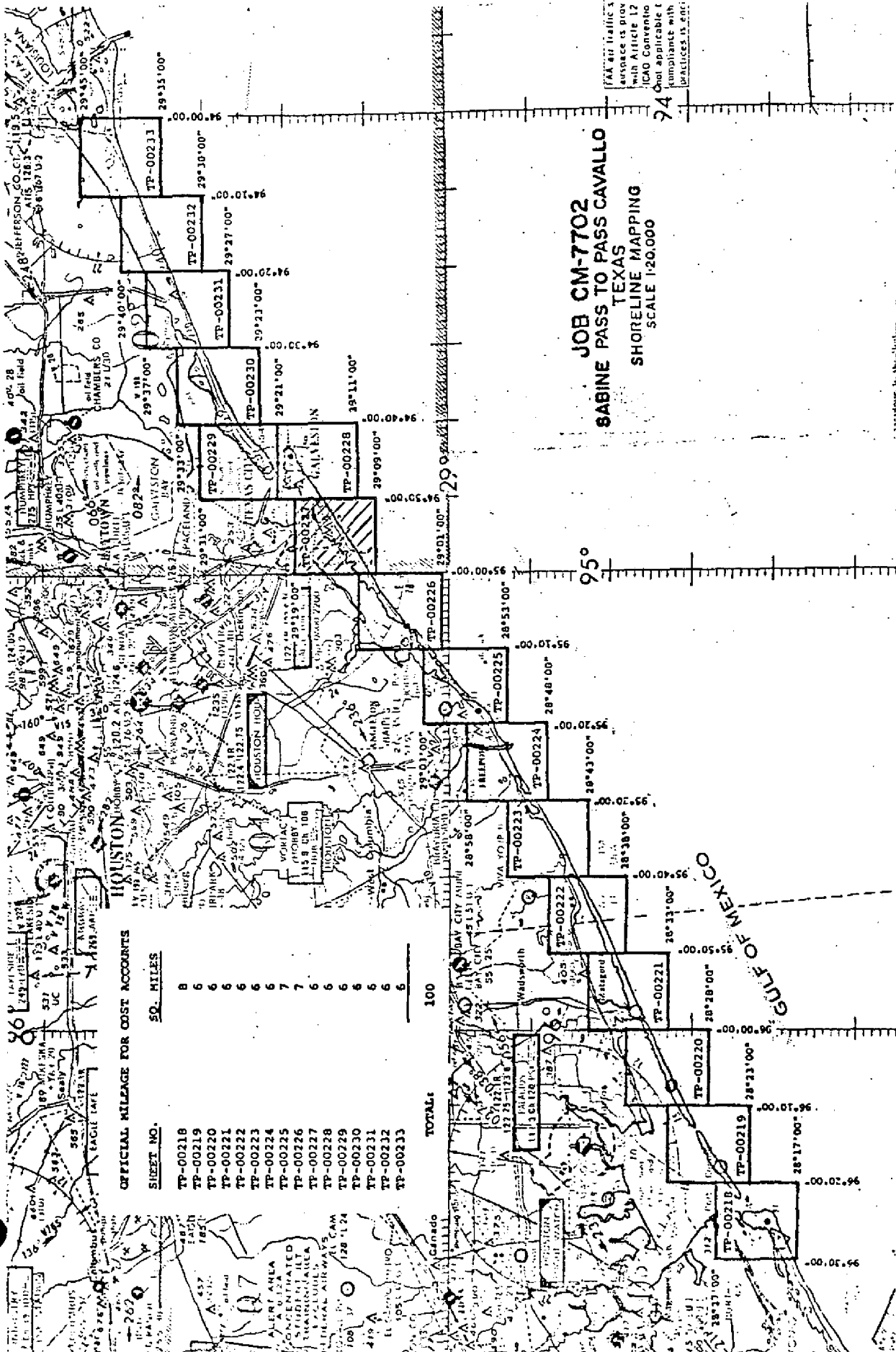
III. FEDERAL RECORDS CENTER DATA

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-00227

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 concealed 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 Aug. 1978, the field edit operation was completed in Aug. 1979 and field edit data was applied in Sept. 1979.

Final review was performed at the Atlantic Marine Center in Dec. 1980. During this operation, amended data concerning a Landmark for Charts was processed and forwarded to the Nautical Data Section: this issue is further discussed in the Review Report.

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--00227

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).

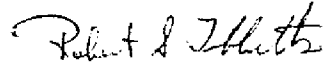
8. Tide Observations and Records for Tide-Coordinated Photography

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.

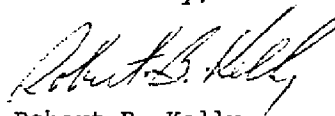
24. Supplemental Data

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.

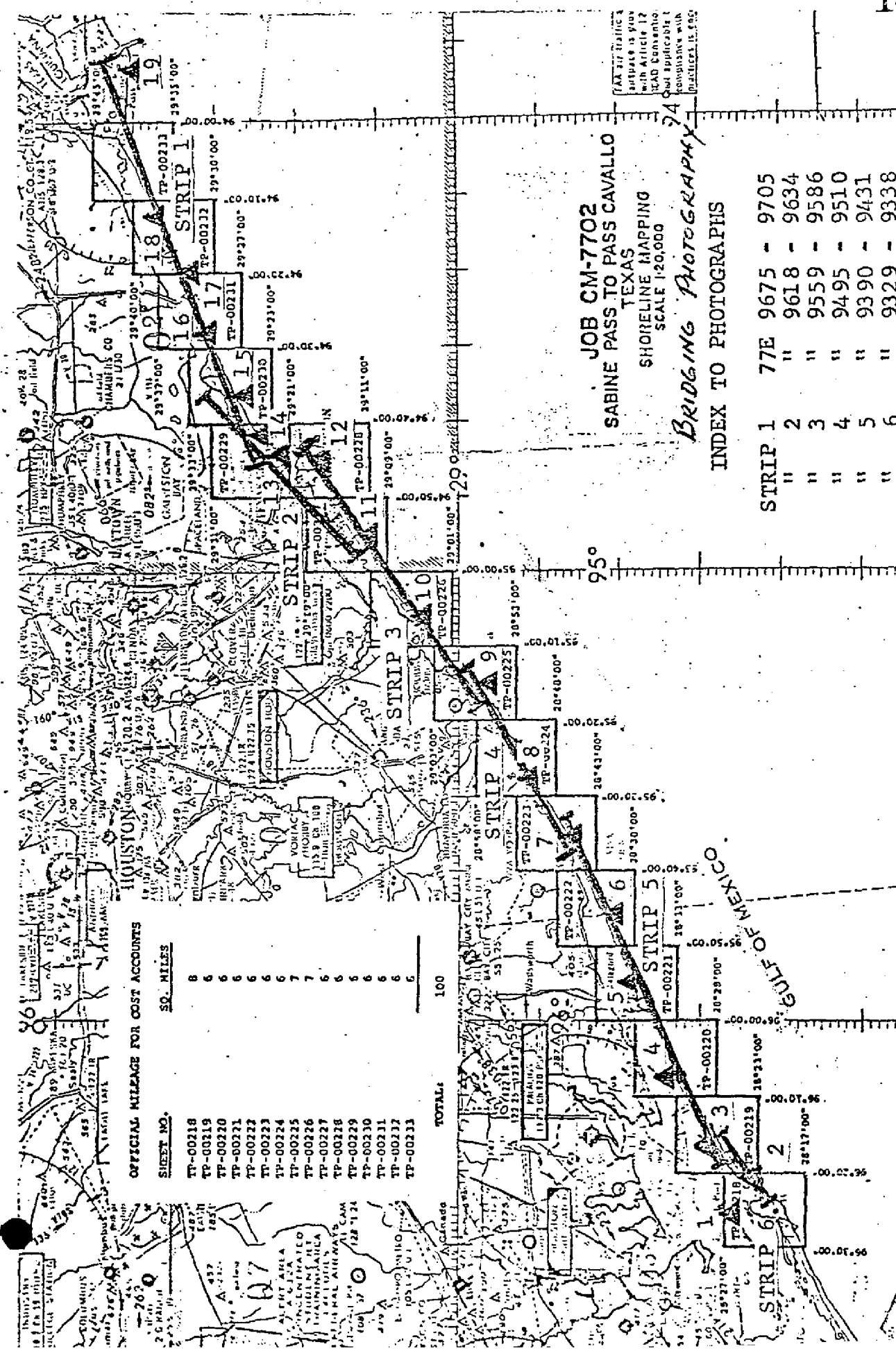
Submitted by,


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

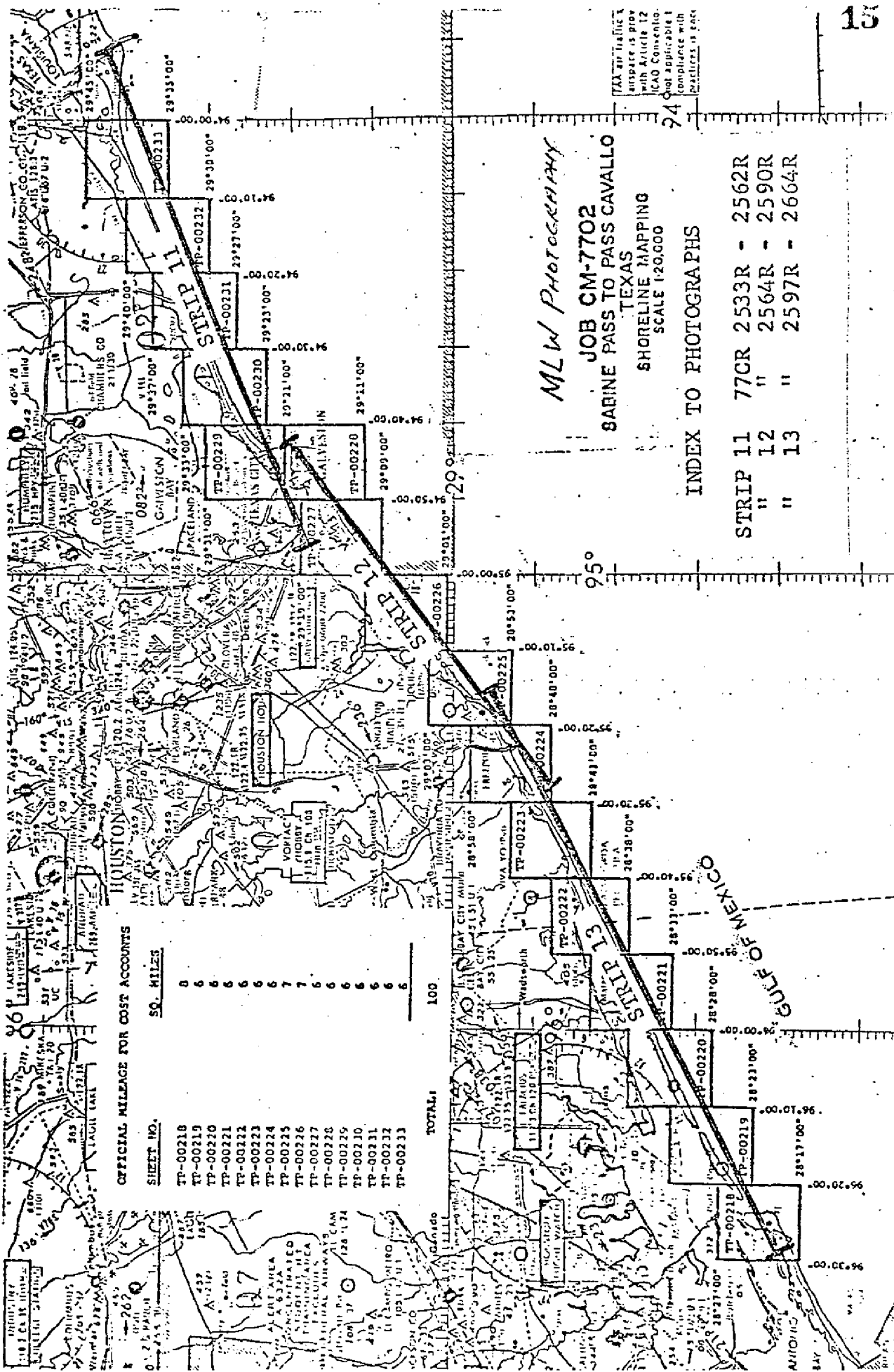
STRIP 1	77E 9675	- 9705
" 2	" 9618	- 9634
" 3	" 9559	- 9586
" 4	" 9495	- 9510
" 5	" 9390	- 9431
" 6	" 9329	- 9338

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

MAX. 17' HALLS
SLOPES 1:5 HORIZ
WITH ARTIFICIAL
ROAD CONSTRUCTION
NOT APPLICABLE TO
BRIDGES 15' 900'



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	50. MILES
TP-00218	0
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

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
"	13	"	-	2590R
"	"	"	-	2597R
"	"	"	-	2664R

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 This map is for use only with Article 12 of the ICAO Convention. It is not applicable to other practices in force.

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

COMPILATION REPORT

TP-00227

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.

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.

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:

No unusual problems.

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 aeronautical aid could not be compiled and will require location by the field edit party. Of the four charted landmarks within the mapped area of this manuscript, only three should be identified and compiled. The fourth will require identification and location by field edit.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

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

TP-00227

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:

Lake Como, Tex. scale 1:24,000, 1954, photorevised 1969
Galveston, Tex. " " , 1954, " 1969

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey chart No. 11322, scale 1:40,000 10th edition. Dated Oct. 23, 1976.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Robert R. Kravitz

Robert R. Kravitz
Cartographic Technician
Date: 31 July 1978

Approved:

for Byrd for

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00227

FIELD EDIT

Field edit is adequate. No changes of the shoreline were made. The catch basin at the shore end of the submerged pipeline is not shown, the detail in the area is too congested to show at the scale of this map.

9/19/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

* ~~TP~~-00227
11

Acapulco Village

Bermuda Beach (Pp1)

Galveston

Galveston Island

Gulf of Mexico

* ~~Jamaca Beach~~ (Pp1) Jamaica Beach* ~~Balm Beach~~ (Pp1) Palm Beach

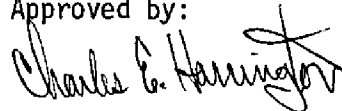
Pirates Beach (Pp1)

Spanish Grant

West Beach

* Correction confirmed via telephone with Mr. Harrington 12/5/80. *gnt*

Approved by:

Charles E. Harrington
Chief Geographer, C3x5

PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

22

TP-

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

41. REMARKS

PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

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

COMPILER Charles Blood Aug. 19, 1979	DATE	40. REVIEWER Irene Perkinson, Sept. 1979	DATE	SUPERVISOR Albert C. Rauck, Jr.
---------------------------------------------	------	-------------------------------------------------	------	----------------------------------------

43. REMARKS

FIELD EDIT REPORT; JOB CM - 7702
MAP TP00227, Galveston Island West Beach

51. METHODS

This edit was done by Government Truck, by walking the beach, and by inspection from skiff.

The position of the Airport Beacon was obtained from Airport Surveys.

The position of the most seaward pile of a Pier in ruins is determined by theodolite; please see CSI Cards 27-01, 02, and 03. No. 27-01 also shows measurement to outfall, and No. 27-02 also shows Submerged pipeline.

52. ADEQUACY OF COMPILATION

The compilation appears very good, and will be adequate upon application of the field edit.

54. RECOMMENDATIONS

Objects called "outfalls" at the northeast portion of this map actually are stairways leading from the seawall to the waters edge; they now are labeled "stairs" on the map.

* 56. GEOGRAPHIC NAMES

FOUR (4) new names have been added to the map.

57. LANDMARKS AND AIDS TO NAVIGATION

Landmarks and Aids were inspected from seaward by the cooperation of Captain James S. Midgley, Commanding Officer, NOAA Ship Mt. Mitchell.

58. FIELD EDITOR

Field edit was done by Philip B. Walbolt and Ralph A. Harrell.

2 August 1979
Submitted by :

Philip B. Walbolt

Philip B. Walbolt
Chief, Photo Party 63

RESPONSIBLE PERSONNEL		NAME		ORIGINATOR	
TYPE OF ACTION				<input checked="" type="checkbox"/> PHOTO FIELD PARTY	
OBJECTS INSPECTED FROM SEAWARD		P. Walbolt		<input type="checkbox"/> HYDROGRAPHIC PARTY	
POSITIONS DETERMINED AND/OR VERIFIED		P. Walbolt		<input type="checkbox"/> GEODETIC PARTY	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW		C. Blood		<input type="checkbox"/> OTHER (Specify)	
ACTIVITIES	J. Hancock			<input checked="" type="checkbox"/> FIELD ACTIVITY REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'					
(Consult Photogrammetric Instructions No. 64.)					
OFFICE			FIELD (Cont'd)		
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			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		
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75			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		
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	NOAA Ship Mc. Mitchell, Capt. J.S. Midgley
POSITIONS DETERMINED AND/OR VERIFIED	P. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	C. Blood
ACTIVITIES	J. Hancock
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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
LANDMARKS FOR CHARTS

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	C. Blood
ACTIVITIES	J. Hancock
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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. 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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

REVIEW REPORT TP-00227

SHORELINE

61. GENERAL STATEMENT:

Refer to the Summary in this Descriptive Report for procedure and completion information.

Amended data concerning a Landmark for Charts was submitted during final review; see item #64 of this Review Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the aforementioned USGS 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 contemporary hydrographic survey OPR-K104-MI-79, verified copies H-9838 and H-9843; both were mapped at 1:20,000 scale. The hydrographic verification office applied Class I data to their smooth-sheet in March 1980. The comparison during final review did not reveal any significant shoreline differences; however, it became apparent that a landmark Tank was applied to H-9838 from an incorrect position originally determined during photo compilation. Appropriate action was immediately implemented to resolve this situation; see attached Chart Letters Dec. 9, 1980 forwarded to the Hydrographic Survey Division and Nautical Data Section.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following Nautical Charts:

11322, 1:40,000, 13th ed., Dec. 1979
11323, 1:80,000, 43rd ed., Apr. 1980
11324, 1:25,000, 18th ed., Aug. 1980

No significant differences were encountered except for the landmark tank mentioned in item #64 which was applied to chart 11342. Correspondance to the Nautical Charts Division was directed via the Chart Letter dated Dec. 9, 1980

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

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

29

DATE: Dec. 9, 1980

TO: Jim Dailey
Chief, Nautical Data Section
OA/C3222

FROM: Jerry Hancock
Coastal Mapping Division, Final Review
CAM52X1

SUBJECT: Amended Data for Proj. K-104,
Job CM-7702, TP-00227
Galveston Island, West Beach

Attached is final reviewed insert copy and a revised set of Forms 76-40 (Nonfloating Aids or Landmarks for Charts) for TP-00227, Galveston Island, West Beach. This supersedes the previous forms dated Aug. 28, 1979 and reflects the status of a tank that was listed incorrectly and confused with a previously charted landmark tank. Consequently, two tanks have been charted (Nautical Chart 11324) in the vicinity of Lat. $29^{\circ}16.0'$, Long. $94^{\circ}51.0'$, but only the South Westerly tank exists.

This revised data should clarify this inaccuracy.





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

30

DATE: Dec. 9, 1980

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

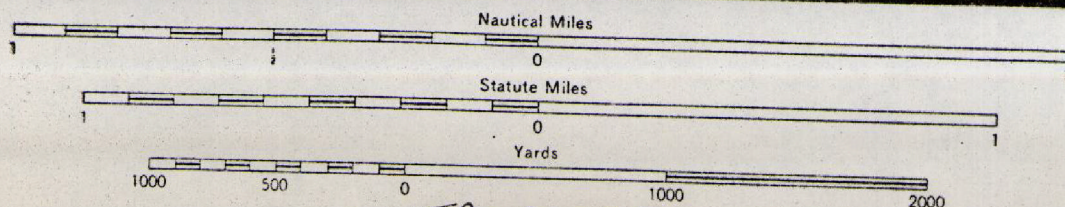
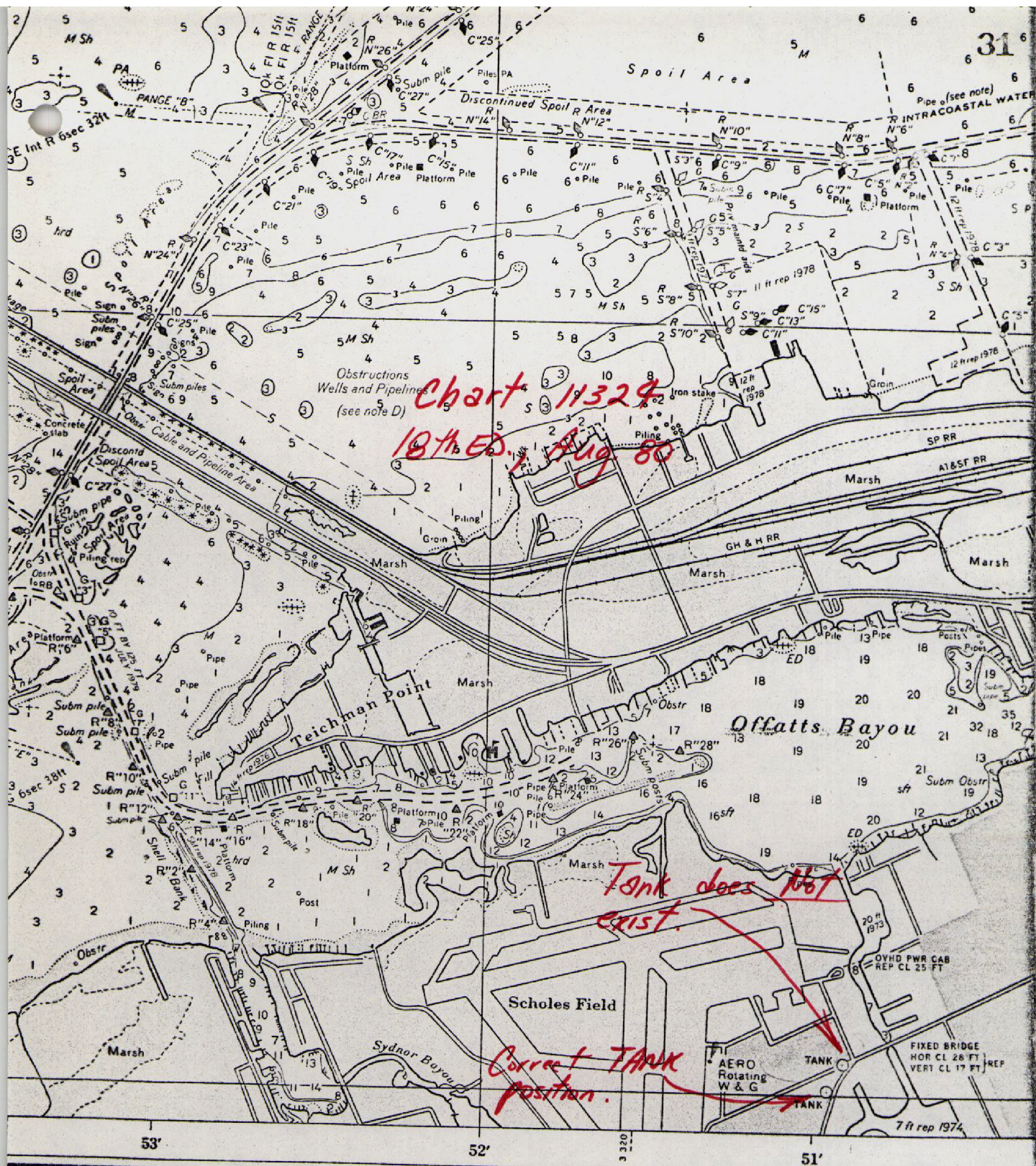
FROM: Jerry Hancock
Coastal Mapping Final Review, AMC

SUBJECT: Inaccurate Class I data applied to verified
Hydrographic Survey K-104, MI-20-1-79, H-9838

Attached is a final reviewed map insert copy of TP-00227 and a revised set of Forms 76-40 (Nonfloating Aids or Landmarks for Charts) for TP-00227 and TP-00228, Galveston Island. These forms have been fully amended and reflect several changes since the Class I data was applied to the contemporary hydrographic survey, verified sheet H-9838. An error of concern is a landmark tank that was incorrectly positioned in the vicinity of Lat. $29^{\circ}16'$, Long. $94^{\circ}51'$; the correct position is approximately 450 Ft. S.W. This is indicated on the insert and amended forms.

cc: OA/C352
OA/C3222
CAM3X1





This
publ
graph
issu
print

For TP-00227

Verified Hydro H-9838
Scale 1:29,000

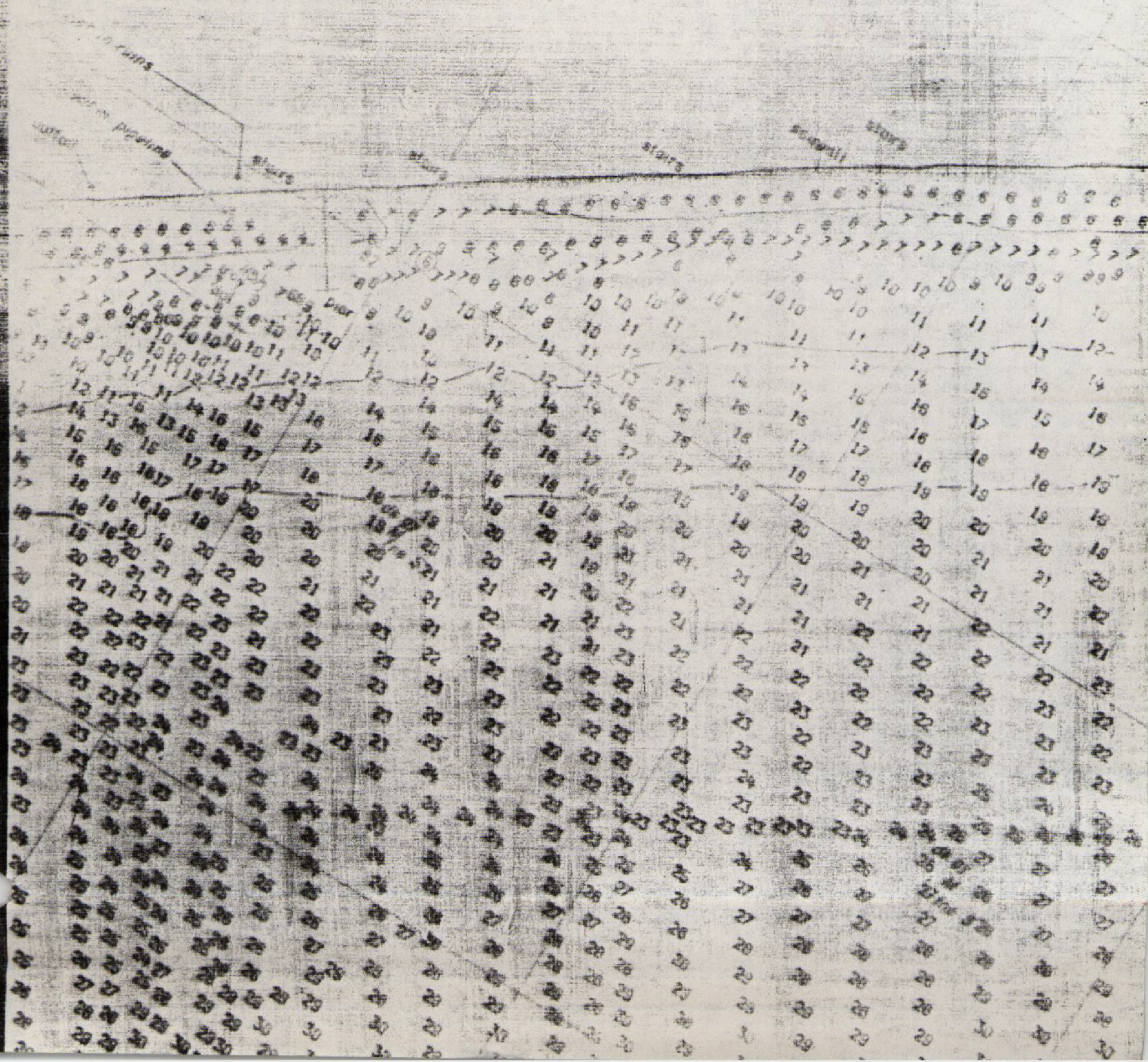
29° 16'

94° 51'

Incorrect position

AIRPORT BEACON, 1966
AERO (Landmark)

TANK (landmark)



94° 52'

TP-00227
Final Review Inset

94° 50'

SCHOLES FIELD
ARP, 1960



AIRPORT
BEACON, 1966
AERO



OTANK

incorrect position
Correct Position

GALVESTON

West

Beach

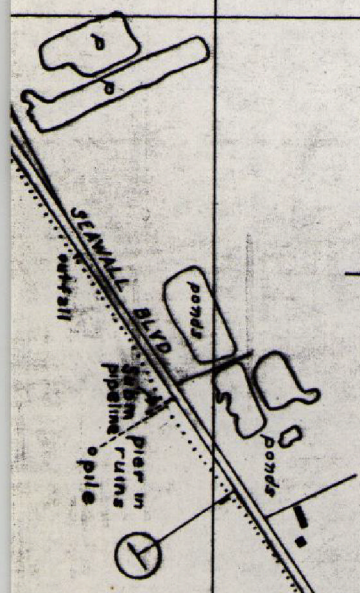
BUILDING

Gulf Coast Fishing Pier

29° 15'

29° 16'

Y = 540,000 FT



scale 1:20000