

TP- 00229

TP- 00229

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<b>Map No.</b> TP-00229	<b>Edition No.</b> 1
<b>Job No.</b> CM-7702	
<b>Map Classification</b> FINAL FIELD EDITED MAP	
<b>Type of Survey</b> SHORELINE	
<b>LOCALITY</b>	
<b>State</b> TEXAS	
<b>General Locality</b> SABINE PASS TO PASS CAVELLO	
<b>Locality</b> FORT TRAVIS	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 77 TO 19 79         </div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	



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. 00220

MAP EDITION NO. (1)

MAP CLASS FINAL

JOB PH. CM-7702

## PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, AMC  
Norfolk, Va.

## 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: Analytic	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	S. Solbeck	Feb. 1978
METHOD: Coradomat 21	CHECKED BY	S. Solbeck	Feb. 1978
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	F. Mauldin	May 1978
COMPILATION	CHECKED BY	L.O. Neterer, Jr.	May 1978
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. Mauldin	May 1978
	CHECKED BY	L.O. Neterer, Jr.	July 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	L.O. Neterer, Jr.	July, 1978
6. APPLICATION OF FIELD EDIT DATA	BY	I. Perkinson	Oct. 1979
	CHECKED BY	C. Blood	Jan. 1980
7. COMPILATION SECTION REVIEW	BY	C. Blood	Jan. 1980
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	M. L. Moore	OCT 1981

NOAA FORM 76-36A

SUPERSEDES FORM C&amp;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 SURVEYTP-00229  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) 135mm Focal LENGTHS 88.47mm Wild RC 8 "E" and RC 10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Central MERIDIAN 90th	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES * <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY **				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME (CST)	SCALE	STAGE OF TIDE	
** 77G(I) 2554 - 2558 * 77E(P) 9623 - 9633 * Alternate photos. ** Alternate even numbers	3/7/77 3/7/77	09:46 15:13	1:40,000 1:30,000	At Mean Low Water 1.4 ft. above MLW Range of Tide = 2.0 ft.	

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

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00230	TP-00228	No Survey

REMARKS

## 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)9626	PARRS GROVE (U.S.E.), 1900		
77E(P)9631	TRAVIS, 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)

2-Forms 76-53, 1-Form 738, Field inspection report.

TP-00229

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. B. WALBOTT	AUG. 1979
2. HORIZONTAL CONTROL	RECOVERED BY R. A. HARRELL	" "
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
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 R. A. HARRELL	AUG. 1979
	LOCATED (Field Methods) BY P. B. WALBOTT	" "
	IDENTIFIED BY " "	" "
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	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

7 MAR. 77E 9630

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
7 MAR. 77E 9630	RADIO TOWER		

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

7. SUPPLEMENTAL MAPS AND PLANS

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

Lists, Abstracts, 1-Form 76-52, 1-Form 76-53, 2-Form 76-40, inset Chart 11325, 12th ed, Field edit report, field edit ozalid.

NOAA FORM 76-36D  
(3-72)TP-00229 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
U. S. DEPARTMENT OF COMMERCE

## 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 5, 1978	Class III manuscript Superseded	Aug. 2, 1978	July 28, 1978
Field edit applied compilation complete	Oct. 1979	Class I manuscript	Feb. 21, 1980	Feb. 21, 1980
Final Review	Nov. 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
2		Feb. 15, 1980	Aids for charts.
2		Feb. 15, 1980	Landmarks for charts.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Feb. 15, 19803. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

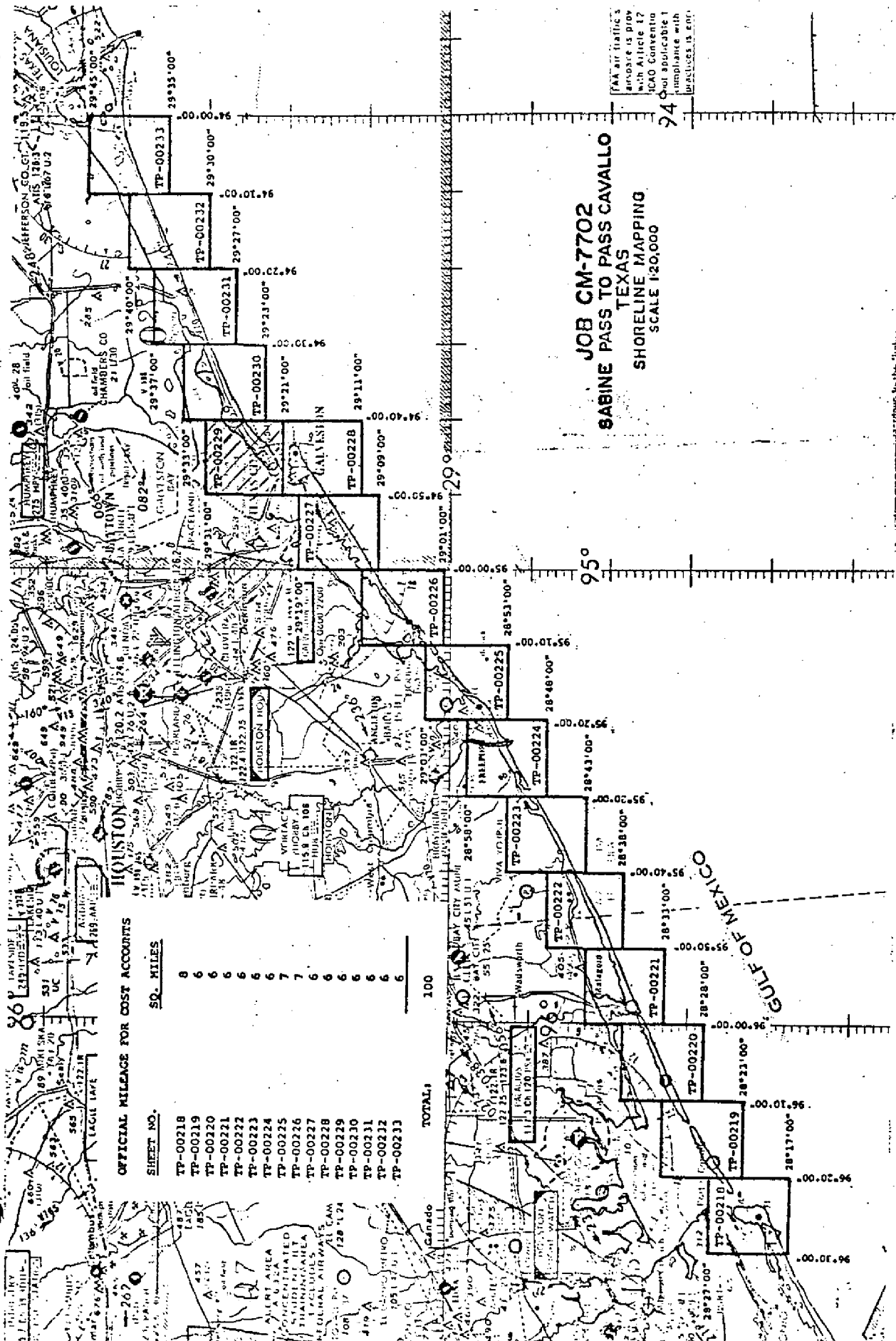
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 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-00229

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 in-shore 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 July, 1978, field edit operation was completed in Aug. 1978 and field edit data was applied in Jan. 1980.

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-00229

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 Cauallo, Texas was accomplished during February - March, 1977.

## 5. Horizontal Control

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

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

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

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

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

## 6. Premarking of Control

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

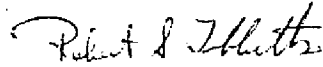
## 8. Tide Observations and Records for Tide-Coordinated Photography

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

## 13. Report

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

Submitted by,



Robert S. Tibbetts  
Chief, Photo Party 62

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

21. Area Covered

This report covers sixteen 1:20,000 sheet;

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

of Sabine Pass To Pass Cavallo, Texas.

22. Method

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

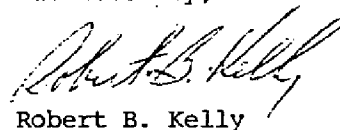
24. Supplemental Data

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,



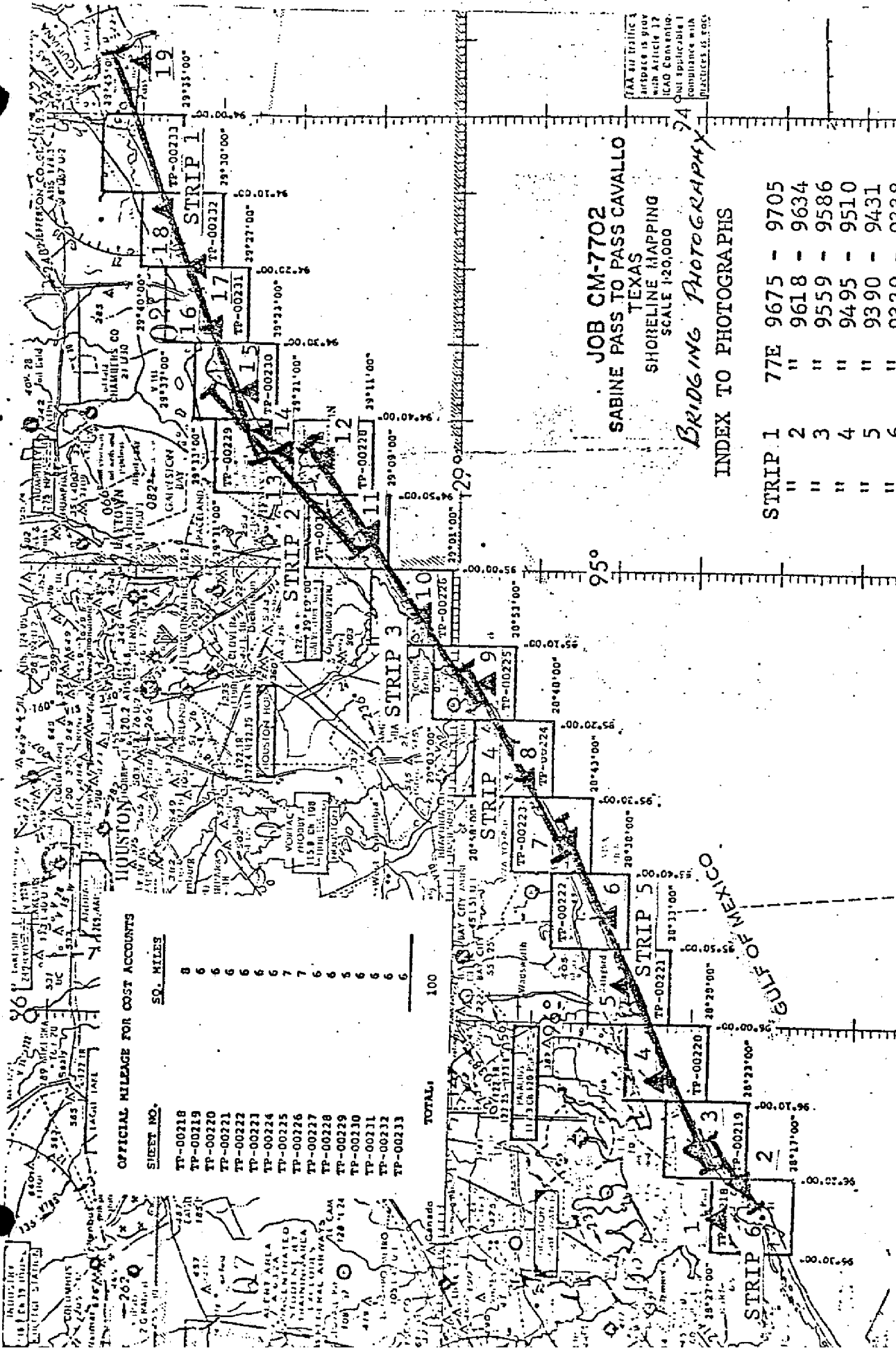
Robert B. Kelly

Approved and forwarded:



Don O. Norman  
Acting Chief, Aerotriangulation Section





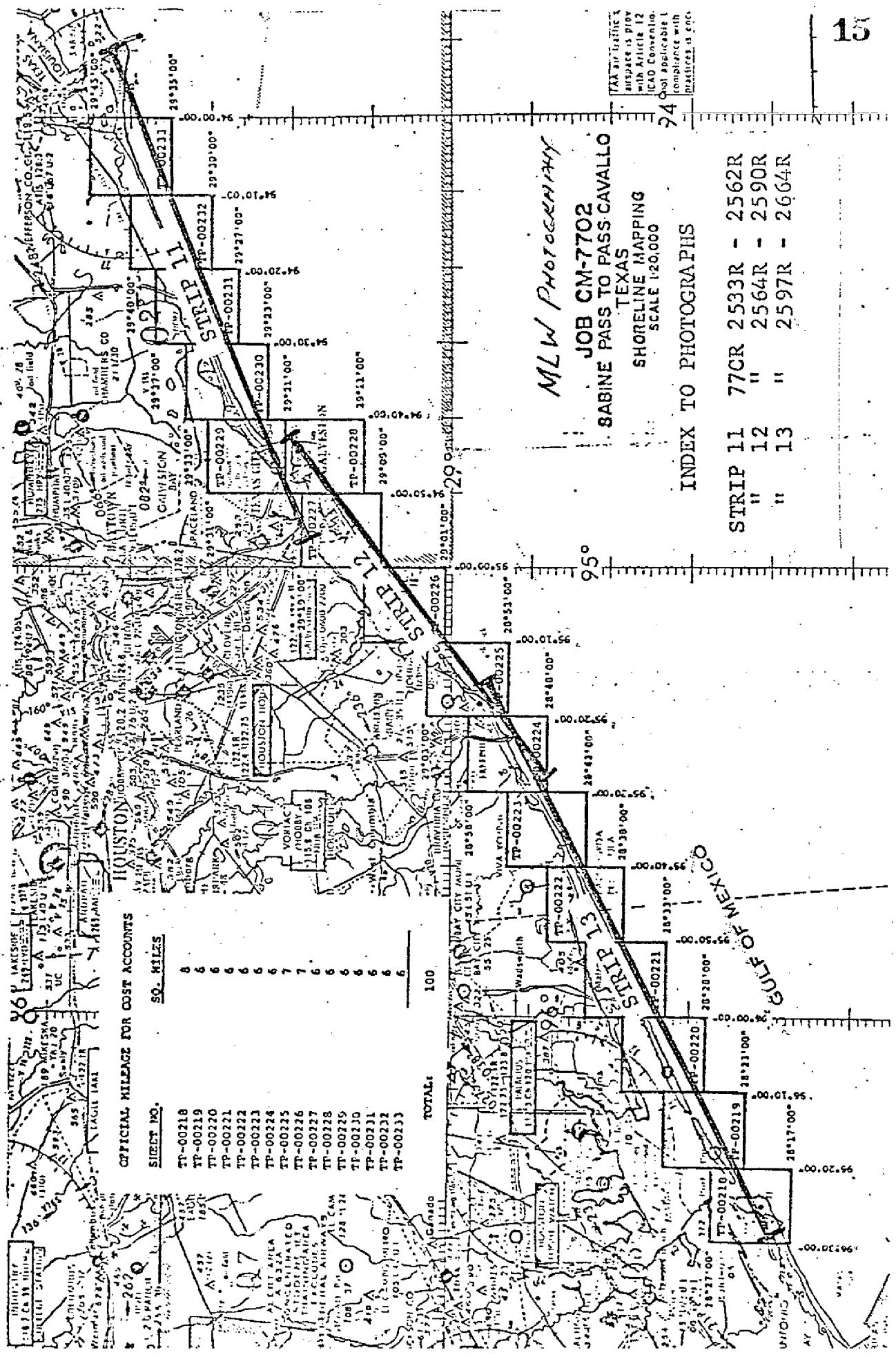
JOB CM-7702  
SABINE PASS TO PASS CAVALLO  
TEXAS  
SHORELINE MAPPING  
SCALE 1:20,000

BRIDGING PHOTOGRAPHY  
INDEX TO PHOTOGRAPHS

STRIP 1	77E	9675	-	9705
"	"	"	"	9634
"	"	"	"	9559
"	"	"	"	9586
"	"	"	"	9495
"	"	"	"	9510
"	"	"	"	9431
"	"	"	"	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	5
TP-00230	6
TP-00231	6
TP-00232	6
TP-00233	6
TOTAL:	100



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.	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		ORIGINATING ACTIVITY			
				CM-7702	N.A. 1927	COORDINATES IN FEET STATE <u>Texas</u> ZONE <u>South Central</u>	Geographic Position $\phi$ LATITUDE $\lambda$ LONGITUDE	REMARKS	
TP-00229									
		290943 page 1024	37	X=	$\phi$ 29°23'31.8175" ✓		979.6 (867.7) ✓		
		" page 1023	37	Y=	$\lambda$ 94°43'30.8258" ✓		831.2 (786.6) ✓		
		" page 1021	34	X=	$\phi$ 29°23'31.099" ✓		957.5 (889.8) ✓		
		" page 1020	41	Y=	$\lambda$ 94°43'30.524" ✓		823.0 (794.8) ✓		
		" page 1050	675100 ✓	X=	$\phi$ 29°26'13.8229" ✓		425.6 (1421.7) ✓		
		" page 1027	624100	Y=	$\lambda$ 94°40'19.5076" ✓		525.8 (1091.3) ✓		
		" page 1065	625153	X=	$\phi$ 29°25'40.324" ✓		1241.5 (605.8) ✓		
				Y=	$\lambda$ 94°41'13.077" ✓		352.5 (1264.8) ✓		
				X=	$\phi$ 29°21'59.1597" ✓		1834.9 (12.4) ✓		
				Y=	$\lambda$ 94°46'00.263" ✓		07.1 (1611.1) ✓		
				X=	$\phi$ 29°21'58.598" ✓		1804.1 (43.2) ✓		
				Y=	$\lambda$ 94°45'22.208" ✓		599.0 (1019.2) ✓		
				X=	$\phi$ 29°22'15.653" ✓		481.9 (1365.4) ✓		
				Y=	$\lambda$ 94°44'56.929" ✓		1535.3 (82.9) ✓		
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
COMPUTED BY	A. C. Rauck, Jr.		DATE 4/14/78	COMPUTATION CHECKED BY	J. Moler		DATE 4/14/78		
LISTED BY	A. C. Rauck, Jr.		DATE 3/31/78	LISTING CHECKED BY	J. Moler		DATE 4/14/78		
HAND PLOTTING BY	F. Mauldin		DATE 5/15/78	HAND PLOTTING CHECKED BY	I. Perkinson		DATE 5/15/78		

## COMPILATION REPORT

TP-00229

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. 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, 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. Twelve aids were located by photogrammetric methods, eight of which are charted as land-mark Towers.

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:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles: Flake, TX, scale 1:24,000, 1954, photo revised 1969. The Jetties, TX, scale 1:24,000, 1954, photo revised 1969. Galveston, TX, scale 1:24,000, 1954, photo revised 1969

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey Chart No. 11325, scale 1:25,000, 10th edition, dated September 4, 1976.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

*Fay T Mauldin*

Fay Mauldin  
Cartographer  
May 19, 1978 ✓

Approved:

*Albert C. Rauck, Jr.*

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



## ADDENDUM TO THE COMPILATION REPORT

TP-00229

FIELD EDIT

Field edit was adequate and complete. During this operation, one additional nonfloating aid was field determined and two previously charted landmarks were directed for compilation.

Three offshore features, a wreck, an ironstake, and an obstruction were satisfactorily located by field methods; their heights were determined from approved tides.

9/19/80

21

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00229

Beacon Bayou

Bolivar Peninsula

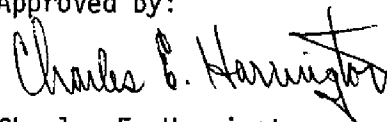
Bolivar Roads

Fort Travis

Gulf of Mexico

North Jetty

Approved by:

A handwritten signature in cursive script, reading "Charles E. Harrington". The signature is written in dark ink and is positioned above the printed name and title.

Charles E. Harrington  
Chief Geographer, C3x5

**PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW**

**22**

TP- 00229

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

41. REMARKS

**PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW**

3. MANUSCRIPT NUMBERS	FORMAT STICK-UP C.B.	4. MANUSCRIPT SIZE C.B.	5. HORIZONTAL CONTROL C.B.
7. PHOTO HYDRO STATIONS C.B.	9. PLOTTING OF SEXTANT FIXES C.B.	12. SHORELINE C.B.	13. LOW-WATER LINE C.B.
14. ROCKS, SHOALS, ETC. C.B.	15. BRIDGES C.B.	16. AIDS TO NAVIGATION C.B.	17. LANDMARKS C.B.
18. PHYSICAL FEATURES C.B.	19. CULTURAL FEATURES C.B.	20. WATER FEATURES C.B.	PIPELINES, CABLES, ETC. C.B.
24. and 25. CONTOURS AND SPOT ELEVATIONS N.A.	27. ROADS C.B.	28. BUILDINGS C.B.	29. RAILROADS C.B.
33. GEOGRAPHIC NAMES C.B.	34. JUNCTIONS C.B.	38. FIELD EDIT PHOTOGRAPHS C.B.	36. FIELD EDIT OZALID C.B.
37. FIELD EDIT REPORT C.B.	GEOGRAPHIC FIX POSITIONS C.B.	39. FIELD FORMS C.B.	APPROVED TIDES C.B.
COMPILER I. Perkinson	DATE Oct. 16, 1979	40. REVIEWER C. Blood	DATE Jan. 1980
		SUPERVISOR Albert Rauck, Jr.	

43. REMARKS

FIELD EDIT REPORT, MAP TP-00229, FORT TRAVIS  
JOB CM-7702, SABINE PASS TO PASS CAVALLO

51. METHODS

This edit was done by inspection from seaward with skiff, by Government truck, and by walking.

All questions were investigated and answered.

52. ADEQUACY OF COMPILATION

The compilation seems to be very good, and will be both complete and adequate upon application of the edit.

54. RECOMMENDATIONS

The shore end of a submerged pipeline is shown on photo 7 MAR 77E 9630, as was requested.

56. GEOGRAPHIC NAMES

Location of a County Boat Ramp is shown on the Map.

57. LANDMARKS AND AIDS TO NAVIGATION

Landmarks and Aids were inspected from seaward by skiff. One Radio Tower already charted should be included on this Map; it is shown by Chart Section and also indicated on photo 9630.

The position for the front range located on the North Jetty was determined by intersection.

58. FIELD EDITOR

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

31 August 1979  
Submitted by:

*Philip B. Walbolt*

Philip B. Walbolt  
Chief, Photo Party 63

Replaces C&amp;GS Form 567.

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				LANDMARKS FOR CHARTS		ORIGINATING ACTIVITY		
REPORTING UNIT (Field Party, Ship or Office)		STATE	LOCALITY	DATE	DATE			
COASTAL MAPPING DIV. <td>TEXAS<td>Sabine Pass to Pass Cavallo<td>10/10/79<td colspan="2"></td></td></td></td>		TEXAS <td>Sabine Pass to Pass Cavallo<td>10/10/79<td colspan="2"></td></td></td>	Sabine Pass to Pass Cavallo <td>10/10/79<td colspan="2"></td></td>	10/10/79 <td colspan="2"></td>				
AMC Norfolk, VA <td></td> <td></td> <td></td> <td colspan="2"></td>								
HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS. <td colspan="5">DATUM</td>		DATUM						
JOB NUMBER <td colspan="5">N.A. 1927</td>		N.A. 1927						
SURVEY NUMBER <td colspan="5">TP-00229</td>		TP-00229						
CM-7702								
K-104								
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		D.M. Meters	D.P. Meters	D.M. Meters	D.P. Meters	OFFICE	FIELD	
TOWER	Galveston Entrance North Side Dredging Range Rear Daybeacon	29-22	22.5	94-44	52.7	77C(I) 2556	F-V-VIS	11323
					1420.8	March 7, 1977	Aug. 20, 79	11324
TOWER *	Galveston Entrance South Side Dredging Range Rear Daybeacon	29-22	15.653	94-44	56.929	"	Triang. Rec.	11325
	(Galveston Entrance North Side Dredging Range Rear Daybeacon, 1963)		481.9		1535.3	"	"	"
TOWER	Galveston Entrance North Side Dredging Range Front Daybeacon	29-21	08.9	94-42	32.8	"	F-V-VIS	"
			273.3		885.5	"	"	"
TOWER	Galveston Entrance South Side Dredging Range Front Daybeacon	29-21	25.0	94-43	21.1	"	"	"
			769.0		569.5	"	"	"
TOWER	Galveston Outer Bar North Side Dredging Range Front Daybeacon	29-21	21.5	94-45	48.3	"	"	"
			660.6		1303.5	"	"	"
TOWER	Galveston Outer Bar North Side Dredging Range Rear Daybeacon	29-21	30.1	94-46	32.2	"	"	"
			925.5		868.8	"	"	"
TOWER	Galveston Outer Bar South Side Dredging Range Front Daybeacon	29-21	13.7	94-45	50.2	"	"	"
			421.5		1355.3	"	"	"
TOWER	Galveston Outer Bar South Side Dredging Range Rear Daybeacon	29-21	22.2	94-46	34.2	"	"	"
			685.0		923.8	"	"	"
	* Mr. Mulchi of Geodesy has been notified of the difference in these names and will correct the triangulation name to "South side."	29-21						23

RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	NAME	
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	R. Harrell	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	I. Perkinson	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)		
<div> <div> <b>OFFICE</b>  <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b>            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         </div> <div> <b>FIELD (Cont'd)</b>  <b>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.</b>            EXAMPLE: P-8-V            8-12-75            74L(C)2982         </div> </div>		
<div> <div> <b>FIELD</b>  <b>I. NEW POSITION DETERMINED OR VERIFIED</b>            Enter the applicable data by symbols as follows:            F - Field            L - Located            V - Verified            1 - Triangulation            2 - Traverse            3 - Intersection            4 - Resection            A. Field positions* require entry of method of location and date of field work.            EXAMPLE: F-2-6-L            8-12-75         </div> <div> <b>II. TRIANGULATION STATION RECOVERED</b>            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         </div> <div> <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b>            Enter 'V-Vis.' and date.            EXAMPLE: V-Vis.            8-12-75         </div> </div>		
**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&amp;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	R. Harrell
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	I. Perkinson
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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>FIELD (Cont'd)</b> <b>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.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> 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 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
NONFLOATING AIDS				FOR CHARTS							
REPLACES C&GS FORM 567.		REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE			
TO BE CHARTED		Coastal Mapping Div.		TEXAS		Sabine Pass to		10/12/79			
TO BE REVISED		AMC Norfolk, VA				Pass Cavallo					
TO BE DELETED		HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/>		SURVEY NUMBER		DATUM					
OPR PROJECT NO.		JOB NUMBER		TP-00229		N.A. 1927					
K-104		CM-7702				POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		LATITUDE		LONGITUDE		OFFICE		FIELD	
				° / ' / ''		° / ' / ''					
				D.M. Meters		D.P. Meters					
LIGHT	Galveston Bay Entrance Channel Range A Front Light, 1979 (field pos)	29-21	16.81	520.5	94-42	56.61	77C(I) 2556	F-3-6-L	Aug. 79	11322	11324
LIGHT	Galveston Bay Entrance Channel Range A Rear Light	29-22	18.3	563.5	94-44	53.3	March 7, 1977	F-V-VIS	AUG 15, 79	11325	
LIGHT	Galveston Bay Entrance Channel Range B Front Light	29-21	17.5	538.5	94-45	49.1	"	"	"	"	
LIGHT	Galveston Bay Entrance Channel Range B Rear Light	29-21	26.2	806.5	94-46	33.4	"	"	"	"	
DAYBEACON	Galveston Entrance South Side Dredging Range Rear Daybeacon (Galveston Entrance North Side Dredging Range Rear Daybeacon, 1963)	29-22	15.653	481.9	94-44	56.929	"	Triang. Rec.	"	"	
DAYBEACON	Galveston Entrance North Side Dredging Range Rear Daybeacon	29-22	22.5	692.3	94-44	52.7	"	F-V-VIS	"	"	
DAYBEACON	Galveston Entrance North Side Dredging Range Front Daybeacon	29-21	08.9	273.3	94-42	1420.8	"	"	"	"	
DAYBEACON	Galveston Entrance South Side Dredging Range Front Daybeacon	29-21	25.0	769.0	94-43	885.5	"	"	"	"	
LIGHT	Port Arthur Galveston Bolivar Peninsula Light 18 (formerly Bolivar Peninsula Light 26)	29-22	29.37	904.3	94-47	21.1	"	F-V-VIS	Aug 20, 1979	11326	
DAYBEACON	Galveston Outer Bar North Side Dredging Range Front Daybeacon	29-21	21.5	660.6	94-45	569.5	77C(I) 2557	F-V-VIS	Aug 20, 79	"	28

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	R. Harrell
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	I. Perkinson
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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>FIELD (Cont'd)</b> <b>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.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> 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  <b>A. Field positions* require entry of method of location and date of field work.</b> EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> 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  <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75  <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
<b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b>	

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	R. Harrell
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	I. Perkinson
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require</b> 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
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> 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	<b>II. TRIANGULATION STATION RECOVERED</b> 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 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	



## REVIEW REPORT TP-00229

## 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:

Contemporary hydrographic survey OPR-K104-MI-78 excluded the inshore area of Galveston Bay Entrance, Bolivar Roads from Lat.  $29^{\circ}26'$ , Long.  $94^{\circ}40'$  to Lat.  $29^{\circ}16'$ , Long  $94^{\circ}50'$ . However, a Coast Pilot And Chart Corrections Report was performed in the area in Sept. 1979; this operation only pertained to updating Landmarks and Aids to Navigation and did not include any pertinent shoreline information.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 11324, 1:25,000 scale, 18th ed., Aug. 30/80 and chart 11331, 1:40,000 scale, 9th ed., Aug. 2/80.

No significant differences were noted.

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 Hancock*  
 Jeffry Hancock  
 Final Reviewer

Approved for forwarding:

*Billy H. Barnes*  
 Billy H. Barnes

Chief, Photogrammetric Branch, AMC

Approved: *John D. Perrow Jr.*

Chief, Photogrammetric Branch, Rockville

Approved:

*Walter S. Simmons*

Walter S. Simmons  
 Chief, Photogrammetry Division