

TP 01141

TP 01141

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
This Map Edition Will Not Be Field Edited	
Map No. TP-01141	Edition No. I
Job No. CM-8108	
Map Classification III	
Type of Survey Shoreline	
LOCALITY	
State Texas	
General Locality Pasadena	
Locality Manacheater To Green Bayou	
1982 TO 19	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP- <u>01141</u> MAP EDITION NO. <u>(I)</u> MAP CLASS <u>III</u> JOB <u>PHCM-8108</u>	
OFFICER-IN-CHARGE Ronald Brewer		LAST PRECEDING 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 5/26/83 Office 8/9/83		Field 10/30/81	
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)	
3. MAP PROJECTION Lambert Conformal Conic Projection		4. GRID(S) STATE Texas ZONE South Central	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		R. Johanson	1/84
2. CONTROL AND BRIDGE POINTS METHOD: <u>Calcomp</u> PLOTTED BY		R. Johanson	1/84
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT <u>Wild B-8</u> SCALE: <u>1:10,000</u>		J. Schad E. Allen N/A N/A N/A	6/84 8/84 8/84 N/A N/A
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth Drafted</u> SCALE: <u>1:10,000</u>		J. Schadm E. Allen N/A N/A N/A N/A	8/84 8/84 N/A N/A N/A N/A
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		N/A	N/A
6. APPLICATION OF FIELD EDIT DATA		N/A	N/A
7. COMPILATION SECTION REVIEW		J. Schad	12/84
8. FINAL REVIEW		E. Allen	1/85
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		E. Allen	4/85
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		J. Schad	5/85
11. MAP REGISTERED - COASTAL SURVEY SECTION		E. DAUGHERTY	MAY 1985

COMPILATION SOURCES

TP-01142

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8E F/L (152.71)		TYPES OF PHOTOGRAPHY LEGEND COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Central MERIDIAN 90 th	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				☒ STANDARD ☐ DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
82 E (C) 8489-93	2/16/82	1245	1:30,000	1.02 ft	

REMARKS

Based on Predicted tide reference Station Galveston , sub-station Morgan Point

2. SOURCE OF MEAN HIGH-WATER LINE:

The photographs listed above.

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

Not compiled

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
N/A	TP-01142	N/A	TP-01140

REMARKS

HISTORY OF FIELD OPERATIONS

TP-01141

1. ☒ FIELD ~~INSPECTION~~ OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	3/82
2. HORIZONTAL CONTROL	RECOVERED BY R.S. Tibbetts	3/82
	ESTABLISHED BY R.S. Tibbetts	3/82
	PRE-MARKED OR IDENTIFIED BY R.S. Tibbetts	3/82
3. VERTICAL CONTROL	RECOVERED BY N/A	
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A	
	LOCATED (Field Methods) BY N/A	
	IDENTIFIED BY N/A	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Photoidentified2. VERTICAL CONTROL IDENTIFIED
N/A

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
82 E(C)8732	Houston Ethyl Gas Corp. Water Tower 1952 Sub. Sta. A & B		

3. PHOTO NUMBERS (Clarification of details)

N/A

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

N/A

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

N/A

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

One Field Book Cm-8108 Houston Ship Channel
Project Report
CSI Cards

RECORD OF SURVEY USE

TP-01141

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final Reviewed Map	May 1985	Class III Map	May 1985	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3 Pages	NOAA Form 76-40	May 1985	Nonfloating aids/ Landmarks
4 Pages	PLM's	May 1985	Possible Landmarks Features

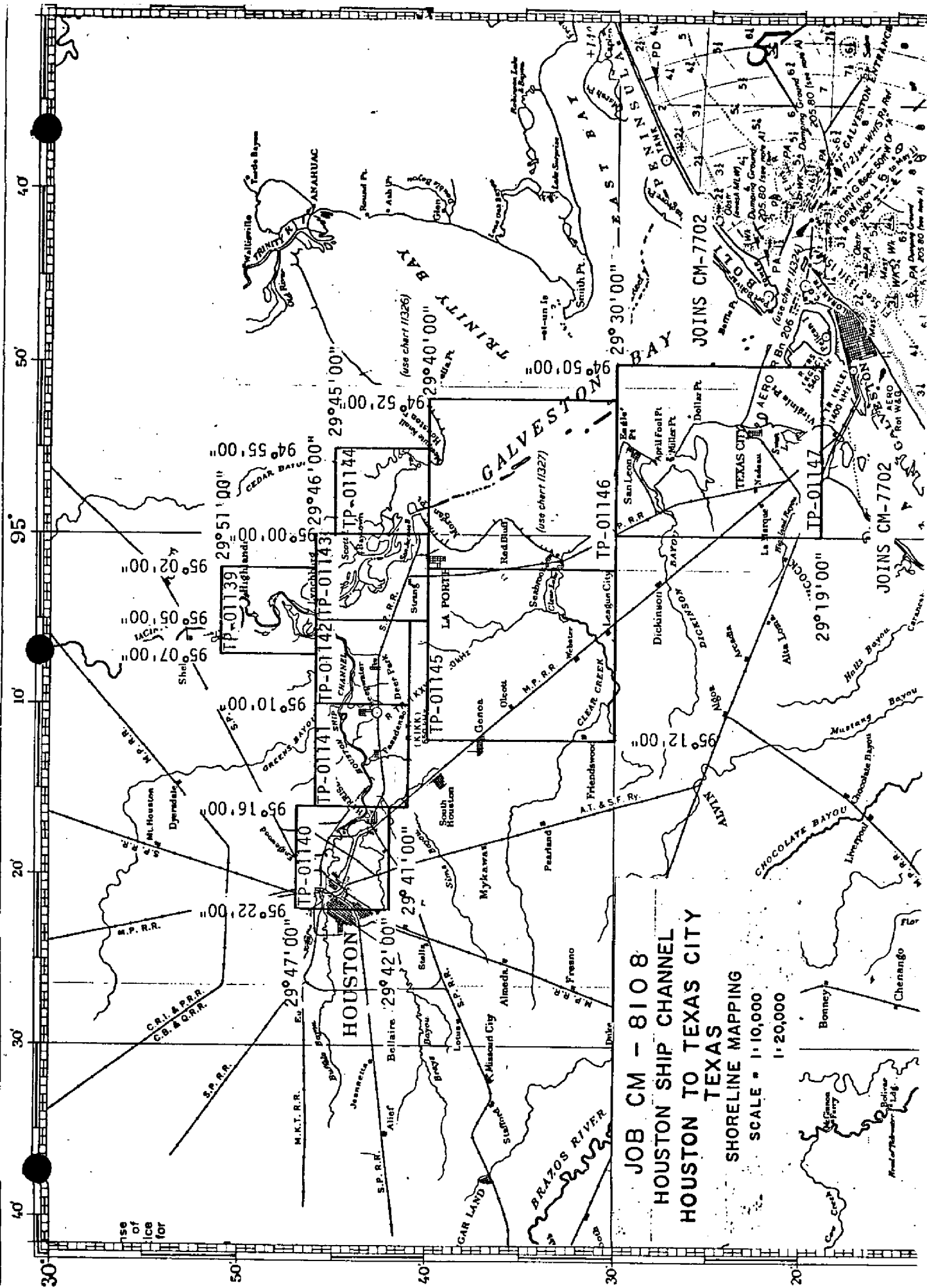
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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



JOB CM - 8108
HOUSTON SHIP CHANNEL
HOUSTON TO TEXAS CITY

SHORELINE MAPPING
SCALE = 1:10,000
1:20,000

SUMMARY

TP-01141

This 1:10,000 scale final shoreline map is one of nine maps that comprise project CM-8108, Houston Ship Channel, Houston to Texas City, Texas.

The purpose of this survey is to provide data to be used in nautical chart maintenance and new chart construction.

Field operations consisted of aerial photography, and the recovery and establishment of horizontal control necessary for the aerotriangulation of the project.

Natural color photographs were used to complete this segment of survey. The 1:50,000 scale photographs were taken November 11, 1981, and October 15, 1982. The 1:30,000 scale photographs were taken November 5, 1982. The 1981 photographs were exposed with the Wild RC-8(E) camera and the 1982 photographs with the Wild RC-10(B) camera.

Compilation was performed by the Coastal Mapping Unit, Rockville, Maryland. Final review was conducted by personnel of the Coastal Mapping Unit.

FIELD INSPECTION

TP-01141

There was no field inspection prior to compilation. Field work accomplished was limited to the taking of the color photographs and the recovery and establishment of horizontal control necessary for the aerotriangulation.

Photogrammetric Plot Report

Houston Ship Channel, Texas

CM-8108

January 1984

21. Area Covered

This report pertains to six sheets, three 1:10,000 scale sheets, TP-01140 to TP-01142. Three 1:20,000 scale sheets, TP-01145 to TP-01147. The area covered is the shorelines of Houston Ship Channel, the west shore of Galveston Bay from Morgan Point to Virginia Point and the Clear Lake area.

22. Method

Five strips were bridged by analytical aerotriangulation methods. Strips four and five were bridged on the Wild STK and strips one, six, and seven were bridged on the NOSAP. Strip one is 1:30,000 scale and the other four strips are 1:50,000 scale. Field identified control and tie points were used for the strip adjustment. Ratio values were determined for the bridging photographs as well as 1:50,000 MLLW IR photography. State Plane Coordinates in the Texas, South Central Zone were used for the strip adjustments and for plotting on the Coradomat.

23. Adequacy of Control

The control was adequate for the job and was within the National Standards of Map Accuracy.

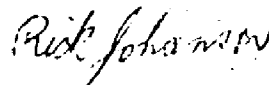
24. Supplemental Data

USGS quadrangles was used to provide vertical control for the strip adjustments.

25. Photography

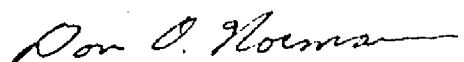
The photography was adequate for the job.

Submitted by,



Rick Johanson

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

Houston Ship Channel, Texas

CM-8101

Fit to Control
X and Y in Feet

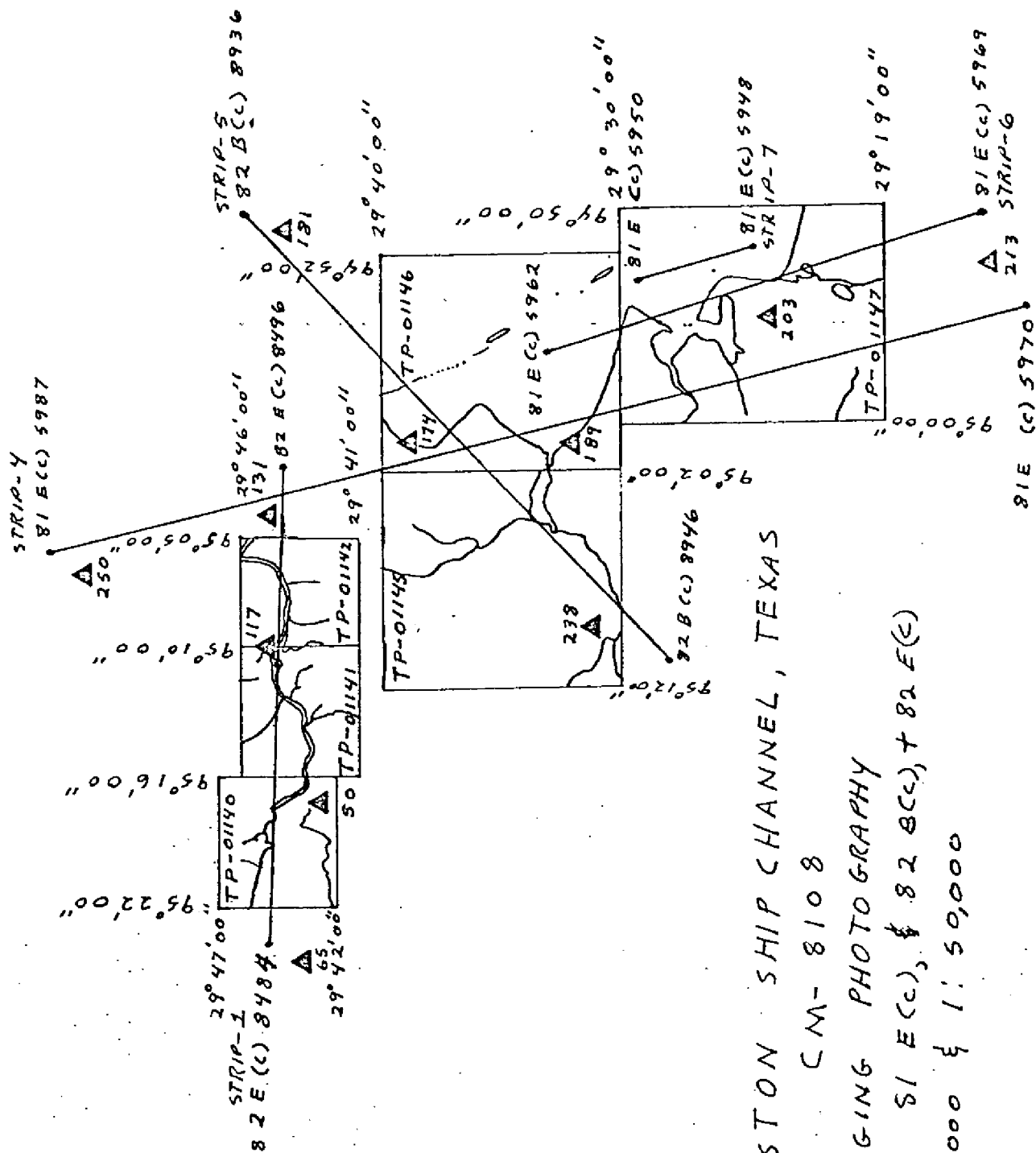
	<u>Name</u>		<u>Point No.</u>	<u>X</u>	<u>Y</u>
	<u>Strip 1</u>				
△	65 Rice, 1942	Sub Pt A	484101	1.1	-2.1
△		Sub Pt B	484102	-0.8	1.9
	50 Fire, 1942	Sub Pt A	489101	0.3	3.6
△		Sub Pt B	489102	-0.4	-0.6
△		Sub Pt C	489103	-0.7	1.1
	2 Galena Park Water Tank 2 1968		490108	4.7	5.0
	117 Houston Ethyle Gas Corp Water Tower, 1952	Sub Pt A	492101	1.3	0.5
△		Sub Pt B	492102	-0.2	-1.0
△			494121	0.4	-0.8
	121A Deer Park Shell Refining Co. Tallest Stack 1955				
	125 San Jacinto Battle Field Monument 1963		965140	0.0	5.9
	131 Park, 1955	Sub Pt A	983101	0.8	1.5
△		Sub Pt C	983103	-0.4	0.1
	<u>Strip 6</u>				
	203 Texas City, Municipal Tank 9th Ave. & 14th Street North, 1960				
△		Sub Pt A	974101	0.4	3.1
△		Sub Pt B	974102	1.9	5.0
	213 Nass., 1933				
△		Sub Pt A	970101	4.3	2.4
△		Sub Pt B	970102	4.4	1.4

	<u>Name</u>	<u>Point No.</u>	<u>X</u>	<u>Y</u>
△	Tie from Strip 4	963802	-0.2	-1.5
△	" " " "	964801	-1.1	-0.1
△	" " " "	964802	0.4	-2.0
△	" " " "	965801	-1.8	2.4
△	" " " "	965802	1.8	2.0
△	" " " "	966801	0.7	-1.8
△	" " " "	966802	2.6	-1.9
△	" " " "	967801	-2.2	-3.2
△	" " " "	967802	-1.6	-3.1
△	" " " "	968801	-1.7	0.0
△	" " " "	968802	-4.2	-3.1
△	" " " "	969801	-2.5	-1.4
△	Tie from Strip 4	969802	-1.0	1.6
	<u>Strip 7</u>			
△	Tie from Strip 6	498801	0.1	1.5
△	" " " "	498802	0.2	-1.0
△	" " " "	498803	0.3	-1.0
△	" " " "	498804	-0.6	0.8
△	" " " "	498805	0.2	0.1
△	Tie from Strip 6	498806	-0.2	0.0

NAME	POINT NO.	X	Y
<u>Strip #4</u> 1:50,000 scale photography			
△ Nass, 1933 Sub Point A	970101	-0.7	-0.1
Sub Point B	970102	8.3	2.7
Texas City Municipal Tank 9th			
Ave. & 14th St., North 1960	974100	4.2	2.3
△ Sub Point A	974102	3.2	2.0
Sub Point B	974102	3.1	3.5
△ Hanson, 1933 Sub Point A	978101	-7.5	-2.2
Sub Point B	978102	-11.7	3.2
Tie from Strip 5	941801	1.4	-3.7
" " " "	941802	1.3	-3.6
" " " "	941803	-1.1	.0
" " " "	941804	-1.8	.0
La Porte St. Marys Church Cross			
1932	981100	3.4	-2.4
△ Sub Point A	981101	2.5	-2.0
△ Sub Point B	981102	3.8	2.5
Park, 1955 Sub Point A	983101	-0.6	-0.2
Sub Point B	983102	-0.7	4.7
△ Sub Point C	983103	-0.8	0.5
Sheldon, Southland Paper Mill Inc.			
Stack, 1968			
△ Sub Point A	987101	-2.4	-2.4
Sub Point B	987102	0.2	1.9
△ Sub Point C	987103	1.8	1.8

Strip #5 1:50,000 scale photography

	<u>NAME</u>	<u>POINT NO.</u>	<u>X</u>	<u>Y</u>
	Barrow 2, 1963 Sub Point A	936102	-0.8	-0.9
△	Sub Point B	936103	0.2	0.2
△	Tie from Strip 4	941801	-0.5	1.2
△	" " " "	941802	-0.3	1.0
	La Porte St. Marys Church Cross			
	1932	981100	-8.1	-3.1
△	Sub Point A	981101	0.8	-2.3
	Sub Point B	981102	0.8	4.2
	Tie from Strip 4	941803	1.8	-2.6
	" " " "	941804	2.4	-2.7
△	Whitcomb, 1968 Sub Point A	945101	-0.1	-0.1
	Sub Point B	945102	0.1	1.1
	Sub Point C	945103	2.2	-1.6



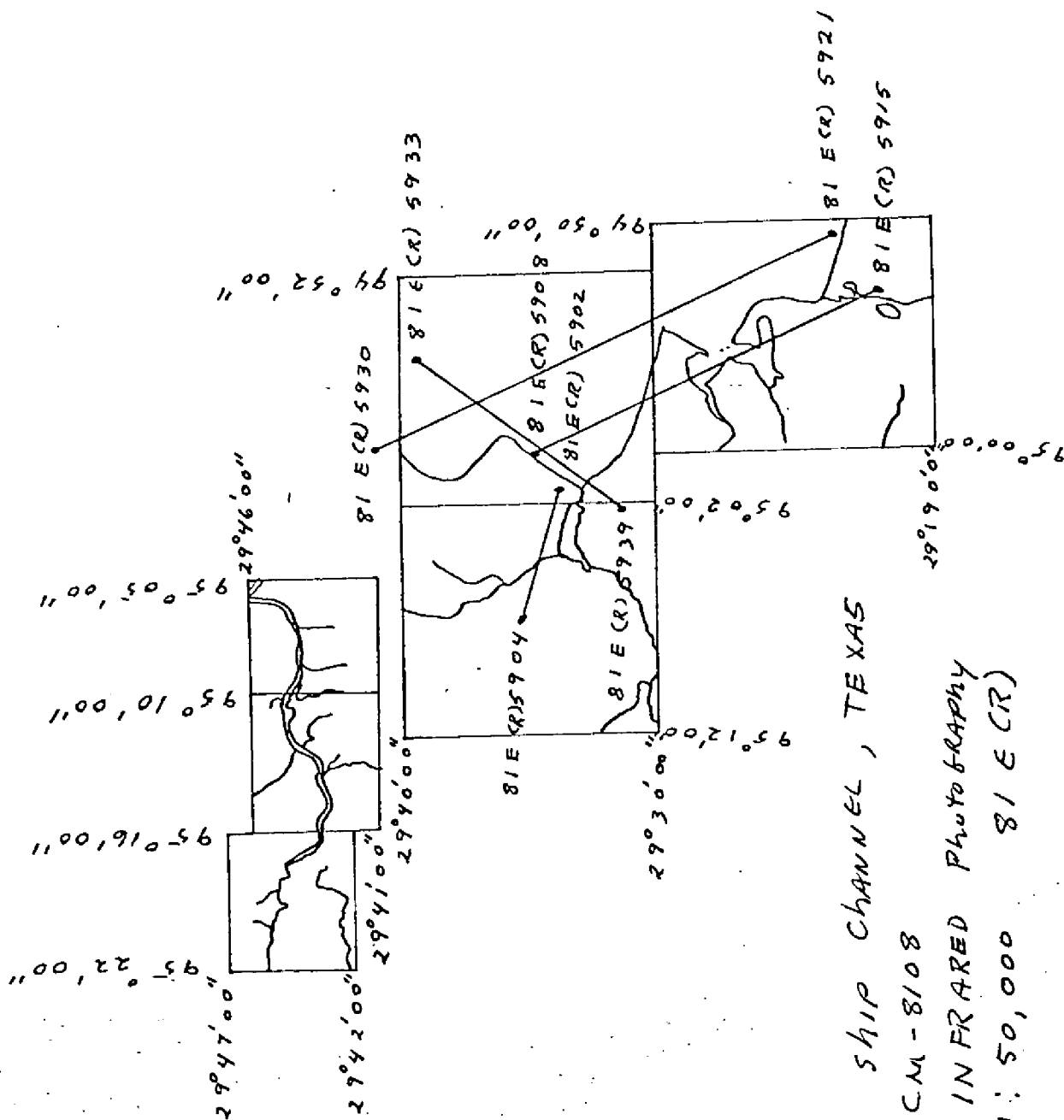
HOUSTON SHIP CHANNEL, TEXAS

CM- 8108

BRIDGING PHOTOGRAPHY

81 E(c), 82 E(c), + 82 E(c)

1:30,000 & 1:50,000



HOUSTON SHIP CHANNEL, TEXAS

CM-8108

MLLW IN FRARED PHOTOGRAPHY

1: 50,000 81 E (R)

Houston Ship Channel, Texas

CM-8108

January 1984

Ratio values for 1:50,000 scale bridging photography:

81 E(C) 5970-5987	X 2.531
82 B(C) 8936-8946	X 2.492
81 E(C) 5962-5969	X 2.538
81 E(C) 5948-5950	X 2.530

Ratio values for 1:30,000 scale bridging photography:

82 E(C) 8484-8496	X 3.1005
-------------------	----------

Ratio values for 1:50,000 scale MLLW black-and-white infrared photography:

81 E(R) 5902-5904	X 2.526
81 E(R) 5909-5915	X 2.526
81 E(R) 5921-5930	X 2.532
81 E(R) 5933-5939	X 2.528

NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	NA 1927 COORDINATES IN FEET STATE TEXAS ZONE South Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		Compilation		
Houston Sheffield Steel Co. Stack 1952	Quad 290951 Sta 1222	114A	x= 3210364.49 y= 715654.94	φ 29° 44'	50.371"			
Deepwater Houston Light and Power Co. Stack 1942	Quad 290951 Sta 1175	110	x= 3197770.42 y= 706670.68	φ 29° 43'	25.514			
Houston Ethyl Gas Corp Water Tower 1952	Quad 290951 Sta 1191	117A	x= 3215582.56 y= 713237.28	φ 29° 44'	24.759			
Houston Manchester Term Corp Water Tank 1968	G 14197 P 20	107	x= 3190659.505 y= 704528.978	φ 29° 43'	06.586			
Houston Dickson Gun Plant Water Tank 1952	Quad 290951 Sta 1189	106B	x= 3187153.97 y= 708380.61	φ 29° 43'	45.811			
Houston Ship Channel Manchester Wharf Light 1955	Quad 290951 Sta 1249	106A	x= 3186232.18 y= 706855.79	φ 29° 43'	31.014			
Galena Park Water Tank 1968	G14197 P 19	108	x= 3194082.326 y= 714475.830	φ 29° 44'	43.925		Unadjusted First Order Class III	
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
COMPUTED BY		DATE	COMPUTATION CHECKED BY			DATE		
LISTED BY		DATE	LISTING CHECKED BY			DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE		

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

COMPILATION REPORT
Job CM-8108
TP-01141

31. Delineation

Delineation was accomplished using the Wild B-8 stereoplotter and is based on office interpretation of the bridged natural color photographs. Ratio photographs were used as an aid in interpreting and verifying the compilation of the manuscript.

32. Control

Horizontal control was furnished by the Aerotriangulation Unit and was adequate in controlling the stereomodels.

Vertical control used in leveling the stereomodels was taken from USGS quadrangles.

33. Supplemental data - None

34. Contours and Drainage

Contours are not applicable to this manuscript. Drainage was delineated from stereomodels set on the Wild B-8 using office interpretation of the bridging photographs.

35. Shoreline and Alongshore Detail

All shoreline and alongshore detail was compiled using the Wild B-8 stereoplotter. No Mean Lower Low Water was compiled and no field edit will be performed.

36. Offshore Detail

Offshore detail consisted of numerous dolphins and obstruction in the Buffalo Bayou waterway.

37. Landmarks and Aids

Seventeen landmarks and three nonfloating aids were located on this manuscript. Four landmarks and one nonfloating aid were identified by Aerotriangulation Unit and verified in the Compilation Unit. Thirteen landmarks and two nonfloating aids were identified and 39 possible landmarks were located in the Compilation Unit.

38. Control for Future Surveys - None

39. Junctions

See NOAA form 76-36B of the Descriptive Report.

40. Horizontal and Vertical Accuracy

This map meets the National Standards of Map Accuracy and the requirements specified in the project instructions.

41. through 45. - Not Applicable

46. Comparison with
Existing Maps

Comparison was made with the following 1:24,000 scale, U.S. Geological Survey quadrangles:

Park Place, Texas, 1967
Pasadena, Texas, 1967

47. Comparison with Existing Charts

Comparison was made with National Ocean Service Chart:

11329, 23rd Edition, December 25, 1982, scale 1:10,000

Submitted by,

James Schad

James Schad

Approved and Forwarded:

Patrick J. Dwyer

Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8108 (Houston Ship Channel, Texas)

TP-01141

Buffalo Bayou

Cotton Patch Bayou

Galena Park (Ppl)

Greens Bayou

Greens Bayou (Ppl)

Hunting Bayou

Jacinto City

Little Vincè Bayou

Manchester

Pasadena

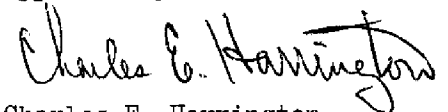
Port Terminal (RR)

Sims Bayou

Vince Bayou

Washburn Tunnel (cultural)

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE SURVEY

TP-01141

61. GENERAL STATEMENT

A final review was performed for this shoreline map. No major discrepancies were encountered. Refer to the summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS - None.63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS - None.65. COMPARISON WITH NAUTICAL CHARTS

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

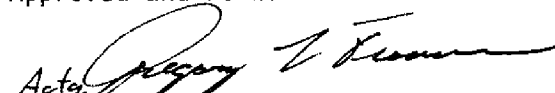
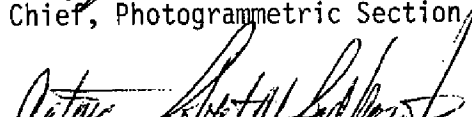
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by:

Edward Allen
Cartographer

Approved and Forwarded:


Actg. Chief, Photogrammetric Section
Chief, Photogrammetry Branch

Replaces C&GS Form 367.

☐ TO BE CHARTED
☒ TO BE REVISED
☐ TO BE DELETEDREPORTING UNIT
(Field Party, Ship or Office)

Rockville Md.

STATE

Texas

LOCALITY

Galveston Bay

DATE

Nov. 1984

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

NONFLOATING AIDS TO NAVIGATION FOR CHARTS

ORIGINATING ACTIVITY

- ☐
- HYDROGRAPHIC PARTY
-
- ☐
- GEODETIC PARTY
-
- ☐
- PHOTO FIELD PARTY
-
- ☒
- COMPILATION ACTIVITY
-
- ☐
- FINAL REVIEWER
-
- ☐
- QUALITY CONTROL & REVIEW GRP.
-
- ☐
- COAST PILOT BRANCH
-
- (See reverse for responsible personnel)

The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

NA 1927

TP-01141

POSITION

DESCRIPTION

(Reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

Houston Ship Channel

-LT. 152

29 44

48.82

95 10

01.87

-LT. 160

29 44

08.827

95 12

22.093

LIGHT

(HOUSTON SHIP CHANNEL MANCHESTER
WHARF LIGHT 1955)

29 43

31.014

95 15

43.023

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

OFFICE

Position
QualityManually
Digitized

11329

Aerotriang-
ulated

11329

Geodetic
Postion

11329

CHARTS
AFFECTED

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY																													
☐ TO BE CHARTED ☒ TO BE REVISED ☐ TO BE DELETED										REPORTING UNIT (If laid Party, Ship or Office) Rockville Md.										LOCALITY Galveston Bay										DATE Nov. 1984																			
CONFIRMATION AND/OR LANDMARKS FOR CHARTS The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.										STATE Texas																																							
OPR PROJECT NO. JOB NUMBER CM-8108										SURVEY NUMBER TP-01141																																							
CHARTING NAME (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)										DATUM NA 1927										METHOD AND DATE OF LOCATION (See instructions on reverse side)										CHARTS AFFECTED																			
										POSITION LATITUDE ° / ' " D.M. Meters										LONGITUDE ° / ' " D.P. Meters										OFFICE 82 E(C) 8492 2/16/82										Position Manually Digitized									
TANK										29 44 30.28										95 10 30.31										82 E(C) 8492 2/16/82										11329									
STACK (HOUSTON SHEFFIELD STEEL CO. STACK 1952 WEST OF TWO STACKS)										29 44 50.371										95 11 06.196										82 E(C) 8492 2/16/82										11329									
TOWER										29 43 40.00										95 13 30.50										82 E(C) 8490 2/16/82										11329									
TOWER										29 43 27.59										95 13 29 35										82 E(C) 8490 2/16/82										11329									
TANK										29 43 27.702										95 13 30.471										82 E(C) 8490 2/16/82										11329									
STACK (DEEP WATER HOUSTON LIGHT and POWER CO. STACK 1942) NORTH OF TWO STACKS										29 43 25.514										95 13 32.288										82 E(C) 8490 2/16/82										11329									
STACK										29 43 23.42										95 13 33.86										82 E(C) 8490 2/16/82										11329									
WATER TOWER (HOUSTON ETHYL GAS CORP WATER TOWER 1952)										29 44 24.752										95 10 07.928										82 E(C) 8492 2/16/82										11329									
TOWER										29 43 35.51										95 13 44.35										82 E(C) 8490 2/16/82										11329									

CONT.

Replaces C&GS Form 567.

☐ TO BE CHARTED
☒ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT
(Field Party, Ship or Office)

Rockville Md.

STATE

Texas

LOCALITY

Galveston Bay

DATE

Nov. 1984

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

NOTIFICATION AND RECORD FOR LANDMARKS FOR CHARTS

The following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

CM-8108 TP-01141

NA 1927

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

CHARTING NAME
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

DESCRIPTION

POSITION

LONGITUDE

LATITUDE
° / ' " D.M. Meters

OFFICE

Position
Quality

CHARTS
AFFECTED

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
 - ☐ GEODETIC PARTY
 - ☐ PHOTO FIELD PARTY
 - ☒ COMPILATION ACTIVITY
 - ☐ FINAL REVIEWER
 - ☐ QUALITY CONTROL & REVIEW GRP.
 - ☐ COAST PILOT BRANCH
- (See reverse for responsible personnel)

TOWER		29 43	25.31	95 13	38.81	82 E(C) 8490 2/16/82	Manually Digitized	11329
STACK		29 43	45.148	95 14	52.769	82 E(C) 8489 2/16/82	Aerotriang- ulated	11329
STACK		29 43	37.293	95 14	57.830	82 E(C) 8489 2/16/82	Aerotriang- ulated	11329
TANK		29 43	18.59	95 14	45.51	82 E(C) 8490 2/16/82	Manually Digitized	11329
CHIMNEY		29 43	05.22	95 14	46.31	82 E(C) 8490 2/16/82	Manually Digitized	11329
TANK	(HOUSTON MANCHESTER TERM CORP WATER TANK 1968)	29 43	06.586	95 14	53.679	82 E(C) 8490 2/16/82	Geodetic Position	11329
TANK	(HOUSTON DICKSON GUN PLANT WATER TANK 1952)	29 43	45.811	95 15	32.020	82 E(C) 8489 2/16/84	Geodetic Position	11329
GRAIN ELEVATOR		29 43	22.23	95 15	50.57	82 E(C) 8489 2/16/82	Manually Digitized	11329

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETTIC DATUM	ORIGINATING ACTIVITY	POSITION QUALITY
TP-01141	CM-8108	Galveston Bay	NA 1927	Compilation	
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE South Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	POSITION QUALITY
TOWER		82 E(C) 8488 2/16/82	X	φ 29° 45' 28.96"	Manually Digitized
			Y	λ 95 10 44.10	
TOWER		82 E(C) 8488 2/16/82	X	φ 29 45 25.81	Manually Digitized
			Y	λ 95 10 47.50	
TANK		82 E(C) 8488 2/16/82	X	φ 29 45 45.35	Manually Digitized
			Y	λ 95 10 59.04	
STACK		82 E(C) 8488 2/16/82	X	φ 29 44 50.65	Manually Digitized
			Y	λ 95 11 04.62	
TANK		82 E(C) 8488 2/16/82	X	φ 29 44 49.99	Manually Digitized
			Y	λ 95 11 08.32	
TANK		82 E(C) 8488 2/16/82	X	φ 29 44 55.60	Manually Digitized
			Y	λ 95 11 24.23	
TANK		82 E(C) 8488 2/16/82	X	φ 29 45 12.58	Manually Digitized
			Y	λ 95 11 48.07	
TANK		82 E(C) 8489 2/16/82	X	φ 29 45 26.12	Manually Digitized
			Y	λ 95 12 08.64	
TANK		82 E(C) 8489 2/16/82	X	φ 29 45 21.48	Manually Digitized
			Y	λ 95 12 22.37	
STACK		82 E(C) 8489 2/16/82	X	φ 29 44 35.33	Manually Digitized
			Y	λ 95 12 27.31	
STACK		82 E(C) 8489 2/16/82	X	φ 29 44 34.84	Manually Digitized
			Y	λ 95 12 27.35	
TOWER		82 E(C) 8489 2/16/82	X	φ 29 44 50.64	Manually Digitized
			Y	λ 95 13 21.30	

NOTE: The objects have not been inspected from seaward to determine their value as landmarks.

LISTED BY

DATE

LISTING CHECKED BY

DATE

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETIC DATUM	ORIGINATING ACTIVITY	GEOGRAPHIC POSITION		POSITION QUALITY
TP-01141	CM-8108	Galveston Bay	NA 1927	Compilation	φ LATITUDE	λ LONGITUDE	
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE				
TOWER		82 E(C) 8489 2/16/82	X Y		φ 29° 44' 48.67"	λ 95 13 26.15	Manually Digitized
TOWER		82 E(C) 8489 2/16/82	X Y		φ 29 44 50.14	λ 95 13 26.71	Manually Digitized
TOWER		82 E(C) 8489 2/16/82	X Y		φ 29 44 48.54	λ 95 13 32.02	Manually Digitized
TANK		82 E(C) 8489 2/16/82	X Y		φ 29 43 58.96	λ 95 13 11.70	Manually Digitized
TANK		82 E(C) 8490 2/16/82	X Y		φ 29 43 16.955	λ 95 13 31.449	Aerotriang ulated
TOWER		82 E(C) 8490 2/16/82	X Y		φ 29 43 09.96	λ 95 13 17.34	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		φ 29 43 09.93	λ 95 13 12.59	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		φ 29 43 09.46	λ 95 13 11.93	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		φ 29 43 04.27	λ 95 13 12.03	Manually Digitized
STACK		82 E(C) 8489 2/16/82	X Y		φ 29 43 09.32	λ 95 12 51.52	Manually Digitized
TANK		82 E(C) 8489 2/16/82	X Y		φ 29 43 04.86	λ 95 12 51.52	Manually Digitized
STACK		82 E(C) 8490 2/16/82	X Y		φ 29 43 18.99	λ 95 13 49.00	Manually Digitized

NOTE: The objects have not been inspected from seaward to determine their value as landmarks.

LISTED BY

DATE

LISTING CHECKED BY

DATE

R. O. Nathan

11/17/84

Edward D. Nathan

11/16/84

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETTIC DATUM	ORIGINATING ACTIVITY	GEOGRAPHIC POSITION		POSITION QUALITY
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE	Compilation	ϕ LATITUDE	λ LONGITUDE	
TP-01141	CM-8108	Galveston Bay	NA 1927				
STACK		82 E(C) 8490 2/16/82	X Y		ϕ 29° 43' 14.36"	λ 95 13 48.16	Manually Digitized
TANK		82 E(C) 8490 2/16/82	X Y		ϕ 29 43 00.28	λ 95 14 13.76	Manually Digitized
TANK		82 E(C) 8490 2/16/82	X Y		ϕ 29 42 57.81	λ 95 14 13.71	Manually Digitized
CHIMNEY		82 E(C) 8490 2/16/82	X Y		ϕ 29 43 05.64	λ 95 14 47.09	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		ϕ 29 42 42.70	λ 95 15 17.00	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		ϕ 29 42 43.84	λ 95 15 22.43	Manually Digitized
TOWER		82 E(C) 8490 2/16/82	X Y		ϕ 29 42 28.01	λ 95 15 19.82	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y		ϕ 29 42 30.86	λ 95 15 26.29	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y		ϕ 29 42 30.61	λ 95 15 33.71	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y		ϕ 29 42 32.70	λ 95 15 39.05	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y		ϕ 29 42 34.67	λ 95 15 44.98	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y		ϕ 29 42 36.43	λ 95 15 49.58	Manually Digitized

NOTE: The objects have not been inspected from seaward to determine their value as landmarks.

LISTED BY

R. C. Williams

DATE

11/12/84

LISTING CHECKED BY

Edward D. [Signature]

DATE

11/6/84

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETIC DATUM	ORIGINATING ACTIVITY	
TP-01141	CM-8108	Galveston Bay	NA 1927	Compilation	
CHARTING NAME	DESCRIPTION	PHOTO NO. Date of Photo	PLANE COOR. (FT) STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	POSITION QUALITY
TANK		82 E(C) 8492 2/16/82	X Y	φ 29° 45' 03.53" λ 95 10 26.54	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y	φ 29 42 38.63 λ 95 15 55.27	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y	φ 29 44 28.28 λ 95 13 00.87	Manually Digitized
TOWER		82 E(C) 8491 2/16/82	X Y	φ 29 44 23.25 λ 95 13 00.72	Manually Digitized
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	
			X Y	φ λ	

NOTE: The objects have not been inspected from seaward to determine their value as landmarks.

LISTED BY

DATE

LISTING CHECKED BY

DATE

