AAON	FORM	76-35
	(2.75)	

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

DESCRIPTIVE REPORT

!	
Map No. TP-01139	Edition No.
Job No. CM-8108	
Map Classification Class III-Final (This map	
Type of Survey Shoreline	be field edited
LOCALIT	Υ
State Texas	
General Locality Houston Ship Cha	nnel
Locality Highlands	
1981 TO 1	1982
REGISTRY IN A	RCHIVES
DATE	

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

NOAA SODU 74 244		01100
NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY TP. 01139
	1	MAPEDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAPCLASS III (Final)
	☐ REVISED	лов ра С <u>М-8108</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDING	G MAP EDITION
Rockville, Maryland		ЈОВ РН
OFFICER-IN-CHARGE	1 !	MAP CLASS
Lawrence Fritz	A REVISED	19TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2. FI	ELD
Aerotriangulation 5/26/83	Field 10/3	30/81
	Tield 10/	00/01
Office 8/9/83		
¢.		
II. DATUMS		
1. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specity)	
	OTHER (Specify)	
MEAN HIGH-WATER ☐ MEAN LOW-WATER		
2. VERTICAL:		
3. MAP PROJECTION	4, GR	RID(S)
Lambert Conformal Conic	STATE	ZONE
5. SCALE	Texas	South Central
1:10,000	31212	
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS 1. AEROTRIANGULATION BY	B. Thornton	June 83
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		ii
2. CONTROL AND BRIDGE POINTS PLOTTED BY		" "
METHOD: Coradomat CHECKED BY	n n	Aug 83
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	1 MaNagara	11
INSTRUMENT: Wild B-8 CONTOURS BY		
SCALE: 1:10,000 CHECKED BY	0 11 1	Sept 83
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	7 C-1	зерс оз
метнор: Smooth Drafted contours ву	A1.6	
CHECKED BY		
SCALE: 1:10,000 HYDRO SUPPORT DATA BY	81 A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	NA	
6. APPLICATION OF FIELD EDIT DATA	****	
7. COMPILATION SECTION REVIEW BY	1 C-11	Sept 83
8. FINAL REVIEW BY	R. Kelly	Nov 83
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		M 02
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY 11. MAP REGISTERED - COASTAL SURVEY SECTION BY		Nov 83

					•	2
NOAA FORM 76-36B (3-72)			NATIONAL OC		TMOSPHERIC A	OF COMMERCE
	COV	APII ATIO	N SOURCES			OCEAN SURVEY
TOTAL PROPERTY OF THE		MI IEXIIO	-		TP-01	1139
3. COMPILATION PHOTOGRAPHY CAMERA(S) Wild RC-10(B) Focal I		TYPE	S OF PHOTOGRAPHY LEGEND		TIME REFER	ENCE
TIDE STAGE REFERENCE		K) COLOR (P) PANCHROMATIC		K; color Central		STANDARD
TIDE CONTROLLED PHOTOGI		(I) INF	RARED		90	DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE		STAGE OF	TIDE
82 в(с) 9965 - 68	11/5/82	9:40	1:30,000	1,02	Ft. Above	e MLW
82 B(B) 9944-48	11/5/82	9:26	1:30,000	1.01	Ft. Above	e MLW
•						
·						
REMARKS (12 12 12 12			and on modified	tod tide	doto.	•
	ridging photogr				uava.	
2. SOURCE OF MEAN HIGH-WAT	re referenced t	o sub s	ca. Morgans re	J1110.	<u> </u>	
The source of	the shoreline	e is the	photographs :	listed ab	ove in	
Item 1.						
3. SOURCE OF MEAN LOW-WATE	R OR MEAN LOWER L	OW-WATER	LINE:			
N/A						
N/A						
					•	
					.	
4. CONTEMPORARY HYDROGRA	PHIC SURVEYS (List	only those s	urveys that are sources	s for photogram	nmetric survey is	rformation.)
SURVEY NUMBER DATE(S)	SURVEY CO		SURVEY NUMBER	DATE(S)		Y COPY USED
			1			
5. FINAL JUNCTIONS NORTH	EAST		SOUTH TP-011	lia	WEST	<u> </u>
None	None		TP-OLL		Non	le

REMARKS

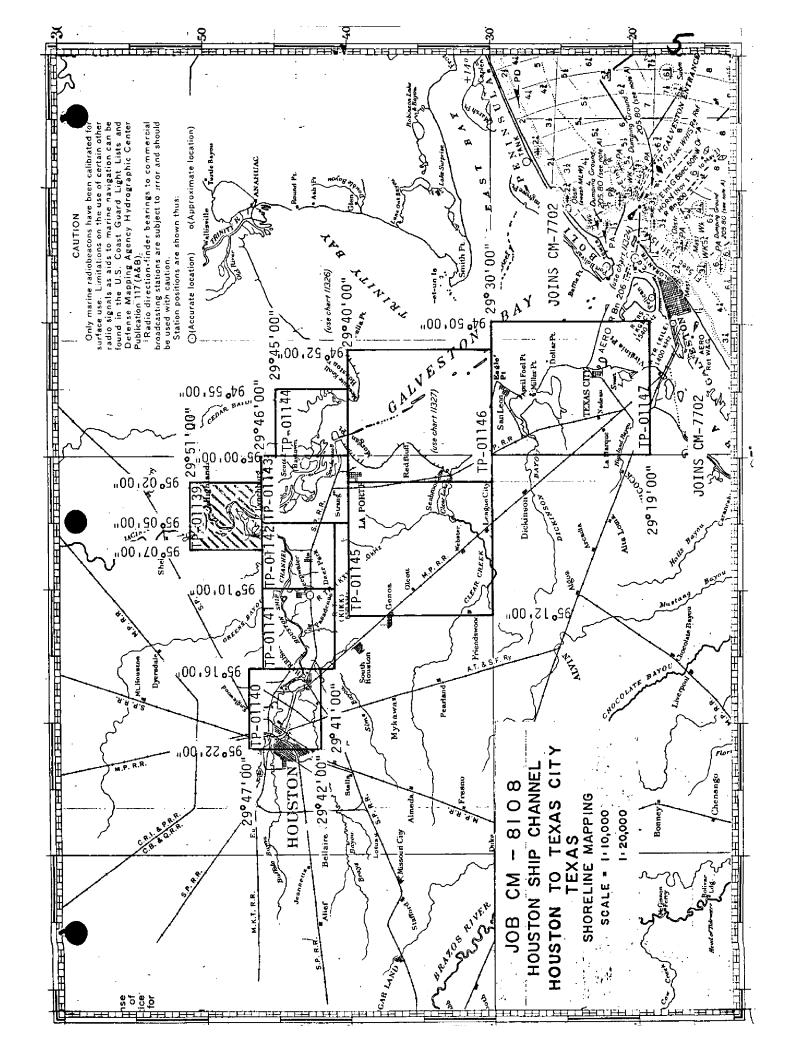
NOAA FORM 76-36((3-72)	:		NATIONAL OCEA	NIC AND ATMOSPHE	MENT OF COMMERC RIC ADMINISTRATIO DNAL OCEAN SURVE
		HISTORY OF FIELD	OPERATIONS		TP-01139
I. X FIELD*NSP	EXTION OPE	RATION	DEDIT OPERATION		
	³ OP	ERATION		IAME	DATE
1. CHIEF OF FIEL	D PARTY		R.S. Tibbet	ts	Mar 1982
		RECOVERED BY	ij o		4 4
2. HORIZONTAL C	ONTROL	ESTABLISHED BY	P.W. Walbol		Mar 1982
		PRE-MARKED OR IDENTIFIED BY	P. W. Walbo	1t	Mar 1982
		RECOVERED BY	N/A		
3. VERTICAL CON	ITROL	ESTABLISHED BY	N/A		
	T	PRE-MARKED OR IDENTIFIED BY	N/A		
4 1 4 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2		ECOVERED (Triangulation Stations) BY	N/A		
 LANDMARKS AN AIDS TO NAVIG 		LOCATED (Field Methods) BY	N/A		
		TYPE OF INVESTIGATION	N/A		
5. GEOGRAPHIC N	AMES	COMPLETE			
INVESTIGATION		SPECIFIC NAMES ONLY			
		(X) NO INVESTIGATION	N/A		
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	N/A		<u> </u>
7. BOUNDARIES A		SURVEYED OR IDENTIFIED BY	N/A		
II. SOURCE DATA					•
1. HORIZONTAL C Photo	ontrol ide Didentifi		2. VERTICAL CON	TROL IDENTIFIED	
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION E	DESIGNATION
3980 (C)	stack 19	Southland Paper Mill Inc 68: Sub. Sta. A, B, & C			
3. PHOTO NUMBE	RS (Clarificat	on of details)	l l		
N/A	·			·	
4. LANDMARKS A	ND AIDS TO N	AVIGATION IDENTIFIED	-ra		
N/A					
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJEC	T.NAME
5. GEOGRAPHIC N	AMES:	REPORT [X] NONE	6. BOUNDARY AN	D LIMITS: [] REI	PORT X NONE
7. SUPPLEMENTA None					
NOAA compu	itations	etch books, etc. bo NOT tist date submit graphs, CSI Card (NOAA Fo and observations forms w Book CM-3108, Huston Ship	ith computatio		

NOAA	FORM	76-36
(3-72)		

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

TP-01139

			RECO	RD OF SURVE	YUSE		11 -	.01133
I. MANUSC	RIPT COPIES							
	со	MPILAT	ION STAGE	s			DATE MANUSCRI	PT FORWARDED
1	DATA COMPILED	<u> </u>	ATE	REI	MARKS		MARINE CHARTS	HYDRO SUPPORT
Final	Reveiwed Map	Sep	t. 83	Class I	II Map		12/7/83	11/10/83
	.,,							
					·• ·•···		 	
II. LANDM	ARKS AND AIDS TO NAVIGA	HOIT		<u> </u>				
1. REP	ORTS TO MARINE CHART D	IVISION,	NAUTICAL	DATA BRANCH		<u>-</u>		
NUMBER	CHART LETTER NUMBER ASSIGNED		WARDED		· · · · · · · · · · · · · · · · · · ·	REM	ARKS	
1		12/	7/83	Aids for	charts			
_								
			-					
	DESCRIPTION OF THE COLOR	T 500/161	AN CO.AT	DU OT DRANGI				
	REPORT TO MARINE CHAR' REPORT TO AERONAUTICA							
	RAL RECORDS CENTER DA				_	•		
	BRIDGING PHOTOGRAPHS;			BRIDGING REPO				
	CONTROL STATION IDENT SOURCE DATA (except for C ACCOUNT FOR EXCEPTION	Geograph.						
4. 🗆	DATA TO FEDERAL RECO	RDS CEI	NTER. DAT	E FORWARDED:			·	_
IV. SURV	EY EDITIONS (This section (shall be	completed e.	ach time a new maj	edition is re	gistered	i)	
_	SURVEY NUMBER	-	ОВ NUMBE	R			TYPE OF SURVEY	
SECOND		_ (2)	PH			L. RE		SURVEY
EDITION			DATE OF FI		□n.	□ա.	MAP CLASS	FINAL
==	SURVEY NUMBER		JOB NUMBE	R			TYPE OF SURVEY	SURVEY
THIRD	DATE OF PHOTOGRAP	(3)	PH	ELD EDIT		_ RE	VISED RE:	9UKYEY
EDITION		···	y r F		□н.	□ш.		FINAL
	SURVEY NUMBER		JOB NUMBE	R		_	TYPE OF SURVEY	_
FOURTH		_ (4)	PH			L. RE	-	: ÜRVÉY
EDITION	DATE OF PHOTOGRAP	HY	DATE OF FI	IELD EDIT	_{□0.}	П	MAP CLASS	□ EINA!



SUMMARY

TP-01139

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 Quality Control Group, Rockville, Maryland.

FIELD INSPECTION

TP-01139

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.

CM-8108

Photogrammetric Plot Report Houston Ship Channel, Texas June 1983

21. Area Covered

This report pertains to two 1:10,000 scale sheets, TP-01139 and TP-01143 of project CM-8108, Houston Ship Channel. The remaining seven sheets in the project will be completed at a later date.

22. Method

Two strips of 1:50,000 scale color photographs were bridged by analytical means, using field identified control. Tie points were "dropped" to the 1:30,000 scale photographs to be used as control to adjust those strips and to ensure a good fit between flight lines. Ratio values were determined for the 1:30,000 scale color photographs. The bridging photographs were adjusted using the Texas, South Central Zone coordinate system. The coordinate system was used to plot the base sheets.

23. Adequacy of Control

The control for this section of the project was adequate for the job and is within the National Standards of Map Accuracy. We also noted excessive film distortion in the film positives based on our fiducial readings. This problem has appeared in the past. A copy of the fit to control is attached to this report.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for strip adjustments.

25. Photography

The coverage, overlap, and quality of the 1982B(C) and 1981E(C) photographs were adequate for the job.

Submitted by

Brian Thornton

Approved and Forwarded:

Dow O. Norman

Don O. Norman

Chief, Aerotriangulation Unit

CM-8108

Photogrammetric Plot Report

Addendum

Houston Ship Channel, Texas

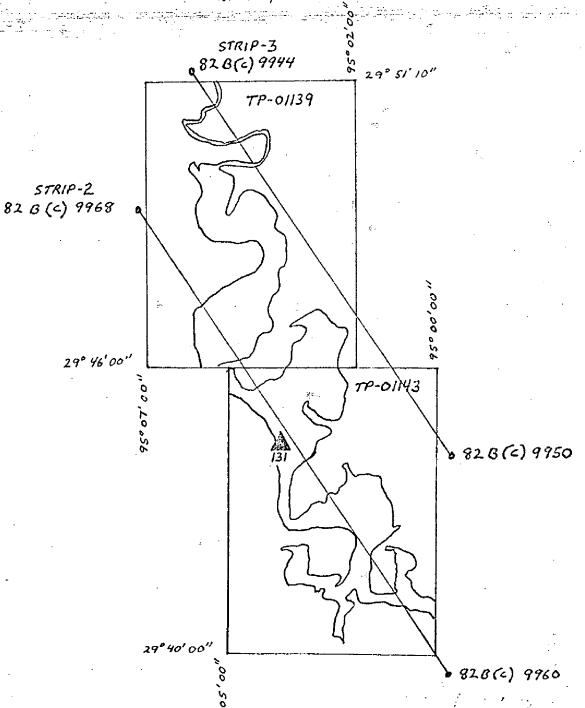
July 1983

Base sheet TP-01144 has been plotted and sent to compilation with sheets TP-01139 and TP-01143. In order to obtain complete coverage of sheet TP-01144, compilation will have to set a model of the 1:50,000 scale photographs and pick points to control an unadjusted model of the 1:30,000 scale photography.

JOB CM-8108 HOUSTON SHIP CHANNEL

TEXAS
SHORELINE MAPPING
SCALE 1: 10,000
BRIDGING PHOTOGRAPHY 82 B C
A TRIANGULATION

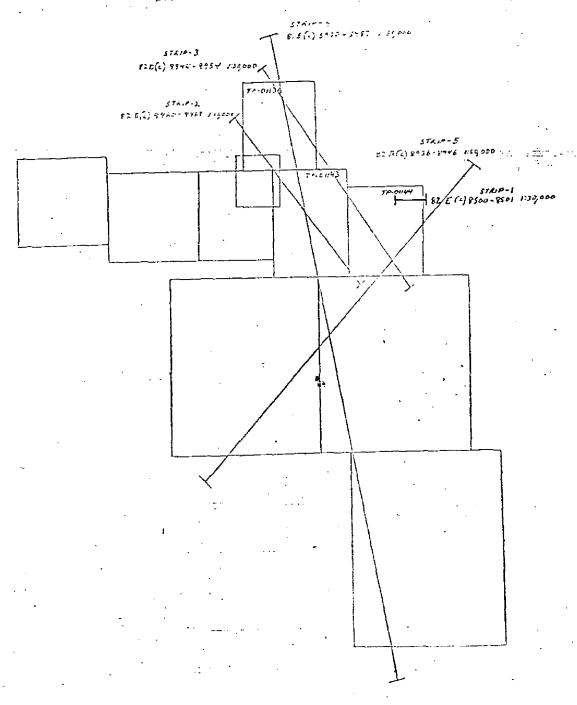
- 131 PARK, 1955



JOB CM-8/08 HOUSTON SHIP CHANNEL

TEXAS SHORELINE MAPPING

BRIDGING PHOTOGRAPHY



Fit to Control
X and Y Values in Feet

Strip #2 1:50,000 scale photography	12% <u>2</u>		
NAME	POINT NO.	X	<u>y</u>
Tie from Strip 4	960801	1.7	0
Berger (1997) in the second of	960802	-1.4	.4
LA Porte Municipal Water Tank 1963	961141	-7.7	2.1
Tie from Strip 4	961803	-3.1	-2.4
Tie from Strip 4	961804	-2.9	-1.2
La Porte St. Marys Church Cross	±1		
1932	981100	1.2	2
Sub point A	981101	1.5	6
Sub point B	981102	1.4	.7
Tie from Strip 4	. 961801	-1.5	-1.0
Tie from Strip 4	961802	-2.6	-1.4
Houston Ship Channel Range C	•		-
Rear Light 1955	962150	.7	4.1
Houston Ship Channel Range C 💡			
Front Light 1955	962151	.2	3.7
Houston Ship Channel Range F			
Rear Light 1955	962152	4.3	4.6
Tie from Strip 4	962801	-3.5	1
Tie from Strip 4	962802	-3.3	9
U 11 H 4)	962803	-3.9	1.7
U II D II	962804	-5.8	0.4
a a n	962805	-6.5	0.5
an in in in	963801	2.1	-1.1
n n n n .	963802	2.4	.3
11 15 11 11	964801	5.0	2
и ји и о	964802	2.3	9

964803

-4.8

-0.8

Δ

*,	NAME	POINT NO.	<u>X</u>	<u>Y</u>
	Park, 1955 Sub Point A	983101	3.0	4.6
	Sub Point B	983102	2.8	2.4
Δ	Sub Point C	983103	2.7	.8
	San Jacinto Battlefield Monument	·		
	1963	965140	.9	.4
ga karata da sa kalaba da sa	Tie from Strip 4	965801	5.0	-2.6
***	n n n	965802	4.6	-2.3
	и и в в	966803	-2.2	-0.8
	и и в в	966804	-3.9	-1.7
	n n n	966801	1.5	-2.1
	и и и и	966802	2.6	7
	Channel View Municipal Water Tank			
	1952	967141	1.0	-3.1
	Tie from Strip 4	967801	4.0	-1.6
	Tie from Strip 4	967802	2.7	-2.0
Δ	Channel View WC and ID No. 84			
	Water Tank	968140	8	1
	Tie from Strip 4	968801	7.2	-1.3
	H 40 H	968802	7.4	-1.9
	D B B	968803	-0.1	-0.2
	n , n n n n	968804	0.6	-0.4
٠	Strip #3 1:30,000 scale photography			
Δ	Tie from Strip 4	944801	2.3	7
Δ	n n p n	9 44802 .	2.4	3
Δ	B B B B	944803	-2.6	2.6
	94 1) 35 H	944804	-2.6	3.7
-	и и и	945801	.6	0
	Pt 11 11 11	945802	.6	1.3
	Tie from Strip 4	945803	1.2	1.9

		•	
NAME	Point No.	X	<u>Y</u>
Highlands Municipal Water Tank	946156	- 1.0	1.4
Tie from Strip 4	946801	1.7	.8
0 μ μ μ	946802	1.2	.5
Д и и и	947801	· 1	.2
	947802	-2.4	.3
n n n	948801	1.1	.2
Tie from Strip 4	948802	1.5	.7
Baytown Radio Station Krel	es.		
Center Mast of 3	948157	4.0	2.8
△ Tie from Strip 4	949801	1.6	-1.3
в п п в	949802	.1	-1.7
H H H D	950801	-2.7	-3.4
△ Tie from Strip 4	950802	-1.7	-2.8
△ Tie from Strip 5	951801	1.1	2.6
и и и	951802	3.0	1.4
_ п п п	⇒ . 9 52801	2.2	2.0
<u></u>	952802	2.5	2.6
n n a n	953801	1.1	.2
и и и	953802	1	.0
<u>Λ</u> 11 11 11 11	954801	-2.9	-1.8
Tie from Strip 5	954802	-3.6	6
	N:		

 Δ Stations Held in the Strip Adjustments

; ;				- /3
			•	
		4		F
	4			
* 4	NAME	POINT NO.	<u>x</u>	Ү
	•		<u></u>	-
	Strip #4 1:50,000 scale photography			*
Δ	Nass, 1933 Sub Point A	970101	-0.7 [*]	-0.1
	Sub Point B	970102	8.3	2.7
	Texas City Municipal Tank 9th	3,0,02		•
	Ave. & 14th St., North 1960	974100	4.2	2.3
Δ	Sub Point A	974102	3.2	2.0
	Sub Point B	974102	3.1	3.5
Δ	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
	u n n	941802	1.3	-3.6
	D II U D	941803	-1,1	.0
	в п и п	941804	-1.8	.0
	La Porte St. Marys Church Cross			
	1932	981100	3.4	-2.4
٨	Colo Dodant A	001101	2 5	-2.0
Δ		981101 981102	2.5 3.8	2.5
Δ		983101	-0.6	-0.2
	Park, 1955 Sub Point A Sub Point B	983102	-0.7	4.7
Δ	v .	983103	-0.8	0.5
	Sheldon, Southland Paper Mill Inc.		• • • • • • • • • • • • • • • • • • • •	
	Stack, 1968			
Δ		987101	-2.4	-2.4
-	Sub Point B	987102	0.2	1.9
		987103	1.8	1.8
		.8.	•	• . •

Strip #5 1:50,000 scale photography

	NAME	POINT NO.	X	<u>Y</u>
	Barrow 2, 1963 Sub Point A	936102	-0.8	-0.9
Δ	Sub Point B	936103	0.2	0.2
Δ	Tie from Strip 4	941801	-0.5 _%	1.2
Δ	er ii ii ii	941802	-0.3	1.0
	La Porte St. Marys Church Cross		<u>.</u>	
	1932	981100	-8.1	-3.1
Δ	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
	ti it it it	941804	2.4	-2.7
Δ	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 June 1983

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

82B(C) 9944 to 9950 Ratio 2.980

82B(C) 9960 to 9968 Ratio 2.981

Compilation Report

TP-01139

31. Delineation

All detail was compiled from 1:30,000 scale color photographs using the Wild B-8 stereoplotter.

32. Control

Horizontal control furnished by the Aerotriangulation Unit was adequate in controlling the stereomodels. Vertical control used in leveling the stereomodels were taken from USGS quadrangles.

33. Supplemental Data - None

34. Contours and Drainage

Contours were not applicable. Drainage was delineated from the 1:30,000 scale color photographs using the Wild B-8 stereoplotter.

35. Shoreline and Alongshore Details

The shoreline was classified and alongshore detail identified by office interpretation of the 1:30,00 scale color photographs. No field inspection was made prior to compilation.

36. Offshore Details

Numerous trees were located in the water using the 1:30,000 scale color photographs. These trees appear as both single standing, and in clusters.

37. Landmarks and Aids

One aid was located by aerotriangulation methods and confirmed during compilation. Two forms listing map features of possible landmark value will be bound with the Descriptive Report.

38. Control for Future Surveys - None

39. Junctions

See NOAA Form 76-36B

40. through 45. Not Applicable

46. Comparison with Existing Maps

Comparison was made with U.S. Geological Survey quadrangle, Highlands, Texas, scale 1:24,000, 1967.

47. Comparison with Existing Charts

Comparison was made with National Ocean Survey charts;

11326 - 19th Edition, March 20, 1982, scale 1:80.000

11329 - 22nd Edition, July 18, 1981, scale 1:10,000

Chart 11326 covered north to latitude $29^{0}48'00"$. Chart 11329 covered north to latitude $29^{0}46'16"$. No previous chart exists north of these limits.

Submitted by,

For! Charles M. Heazel

Approved and Forwarded:

Chief, Coastal Mapping Unit

GEOGRAPHIC NAMES FINAL NAME SHEET CM-8108 (HIGHLANDS, TEXAS)

TP-01139

Baytown

Bear Lake

Bird Lake

Burnet Bay

Channelview

Clear Lake

Diamond Island

George White Lake

Gilbert Landing

Grennel Slough

Heads Bend

Highlands

Hog Island

Lake Sandy

Lynchburg

Mantu

Missouri Pacific (RR)

Old River

San Jacinto River

Approved by:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

Review Report TP-01139

Shoreline Survey

TP-01139

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,

for Robert B. Kelly

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

HYDROGRAPHIC PARTY
CEODETIC PARTY
PHOTO FIELD PARTY
COMPILATION ACTIVITY
CHARLE CONTROL & REVIEW GRP.
COAST PILOT BRANCH
(See reverse for responsible personne)) AFFECTED 11329 ORIGINATING ACTIVITY Aerotriangul-METHOD AND DATE OF LOCATION (See instructions on reverse side) Quality ated U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ES FOR CHARTS 10/13/83 82B(c)9966 OATE 11-5-82 OFFICE D.P. Meters The following objects HAVE | HAVE NOT | been inspected from seaward to determine their value as landmarks, oper PROJECT NO. | JOB NUMBER | DATUM 14.25 Houston Ship Channel > LONGITUDE 95-05 0 **POSITION** NA 1927 LOCALITY D.M. Meters 49-40 > LATIT UDE 59-4¢ 0 Texas DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses) STATE NONFLOATING AIDS 4 TP-01139 REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Unit Houston Ship Channel Range W Rear Light g Rockville, CM 8108 Replaces C&GS Form 567. TO BE CHARTED TO BE DELETED TTO BE REVISED NOAA FORM 76-40 (8-74) CHARTING -RGE W R Light

	RESPONSIBLE	RESPONSIBLE PERSONNEL	
TYPE OF ACTION	AN	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD			☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
FUSTITIONS DETERMINED AND/OR VERIFIED	•		FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER (Consult Photogramme	FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE 1. OFFICE [DENTIFIED AND LOCATED OBJECTS] Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75	CATED OBJECTS e (including month, otograph used to bject.	FIELD (Cont'd) B. Photogrammetric fiel entry of method of 1 date of field work a graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	Cont'd) 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
Ew POSITION DETERMI nter the applicable - Field - Located - Verified - Triangulation - Traverse	INED OR VERIFIED e data by symbols as follows: P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec.' with date of recovery. EXAMPLE: Triang. Rec.	TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec.
3 - Intersection 7 - F 4 - Resection 8 - S A. Field positions* requi	Intersection 7 - Planetable Resection 8 - Sextant Field positions* require entry of method of location and date of field work.	<pre>iii. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V*Vis.' and date. EXAMPLE: V-Vis. 8-12-75</pre>	UALLY ON PHOTOGRAPH
EXAMPLE: F-2-6-L 8-12-75 ** *FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ned by field obser- ground survey methods.	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	Sifions are dependent on control established ds.

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

NOAA FORM 76-40 (8-74)

な U.S.GPO:1975-0-665-080/1155

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			MAP FE	MAP FEATURES OF PC	POSSIBLE LANDMARK VALUE	UE		10/81
E	MAP NO.	JOB NO.	GEOCKA PHIC A	IREA	GEODETIC DATUM	O [°]	ORIGINATING ACTIVITY Coastal Mapping Unit	IVITY
<u></u>	TP-01139	CM-8108	Highlands, Te	Texas	NA 1927		Rockville, MD	
<u> </u>				PHOTO NO.	PLANE COOR. (FT)	GEOGRA	GEOGRAFHIC POSITION	CHARTS
		DESCRIPTION		DATE/FHOTO	_ Q	γ (†	LONGITUDE	AFFECTED
<u> </u>	Tank: (High)	•	Water Tank, '51	82B(c)9946	X= 3,249,874,25	φ	29-48-54.404	New chart
1 U	ਜੋ	Sta.#1183		11-5-82	$\mathbf{Y} = 7^{\text{h}}1,628.31$		95-03-28.289	construction
<u> </u>	Tank; at Chai	at Channelview Aerotriangulated position	ion	82B(c)9967 11-5-82	X = 3,234,658.66 Y = 730,462.14	4 29-4 7 95-0	29-47-08.96 95-06-25.14	Ξ
	Light Pole			82B(c)9947 11-5-82	X	ф 29-4 7 95-0	29-47-33.59 95-03-59.45	. E
<u> </u>	Tank; at Lyn	Lynchburg		П	X	φ 29-4 λ 95-0	29-47-37.43 95-03-23.16	п
<u> [</u>	Tank; at Hig	Highlands Sewage D	Disposal Facili	y 82B(C)9946 11-5-82	X	ф 29-4 7 95-0	29-48-41.15 95-03-56.68	H.
1 02	Stack; at re	refinery		82B(C)9945 11-5-82	X	φ 29-49-07 λ 95-06-04	29-49-07.24 95-06-04.12	11
	Tower; Overhead	lead Cables		=	X	φ 29-49-55 λ 95-05-41	1 1 1	τ
	Tower; Overhead	lead Cables		=	X	φ 29-49-59λ 95-05-37	29-49-59.8 <u>1.</u> 95-05-37.34	п
L"	Stack; at re	refinery		1.	X	φ 29- 1 4	29-49-53.24 95-06-31.11	11
L	Tower; Overhead	lead Cables		82B(C)9944 11-5-82	X	φ 29-5 λ 95-0	29-51-08.61 95-05-23.80	u
<u> </u>	Tower; Overhead	lead Cables		=	X	φ 29-5 λ 95-0	29-51-08.47 95-05-16.76	п
1	Tower; Overhead	lead Cables		82B(c)9966 11-5-82	X	φ 29-4 λ 95-0	29-46-03.97 95-04-48.22	11329 11326
<u> </u>	POSITIONS	IONS FURNISHED	ED ARETHORGE	RAMMETRIC	POSITIONS - MAP FEATURES	RES HAVE	NOT BEEN	INSPECTED
<u> </u>	LISTED BY	Charles Heazel		DATE 10/13/82	LISTING CHECKED BY	James Schad	ad	DATE 10/13/82
L								

Q

		MAP FEA	TURES OF	POSSIBLE LANDMARK VALUE	JUE	RWR 10/81
MAP NO. TP-01139	JOB NO. CM-8108	GEOGRAFHIC A Highlands, T	AREA Texas	GEODETIC DATUM NA 1927	ORIGINATING ACTIVITY Coastal Mapping Unit Rockville, MD	rivit Unit
	NOTTE TOUSE		PHOTO NO.	PLANE COOR. (FT) STATE Texas	GEOGRAFHIC POSITION	CHARTS
	NOTITION TO THE		DATE/FHOTO	ZONE South Central	A LONGITUDE	AFFECTED
Tower, Powerline	าำกล		82B(c)9966	X	φ 29-46-06.21	11329
			11-5-82	X	λ 95-04-33.94	11326
Tower; Powerline	1ine		=	X	φ 29-46-07.29 λ 95-04-22.08	=
Tower; Powerline	line		=	X	φ 29-46-09.02 λ 95-04-16.49	=
Tower; Powerline	line		=	X	φ 29-46-09.75 λ 95-04-10.65	¥
Tower; Powerline	cline		=	X Y	φ 29-46-09.68 λ 95-04-02.21	п
Tower; Powerline	cline		Ε	X		п
Tower; Powerline	cline		r	X	φ 29-46-09.72 λ 95-03-45.38	F
Tower; Powerline	rline		F	X	φ 29-46-03.05 λ 95-03-40.71	Ħ
				X	φ γ	
				X Y	φ λ	
·				X	φ γ	
				X	φ γ	
POSITIONS	IONS FURNISHED	ED AKETHOROGI	RAMMETRIC	POSITIONS - MAP FEATURES	HAVE NOT BEEN	INS PECTED
LISTED BY	Charles Heazel		DATE 10/13/83	LISTING CHECKED BY	Y James Schad	DATE 10/13/83

FORM C&GS-8352 (3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

- Letter all information.
 In "Remarks" column cross out words that do not apply.
 Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
<u></u> .			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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