TP 01142

TP 01142

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 Edite

Map No.	*Edition No.*
TP-01142	1

Job No.
CM-8108

Map Classification
Class III

Type of Survey
Shoreline

LOCALITY

State
Texas

General Locality
Deer Park

Locality
Green Bayou To Old River

19 82 TO 19

REGISTRY IN ARCHIVES

DATE

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

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

DESCRIPTIVE REPORT - DATA RECORD

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

SURVEY TP-01142
MAP EDITION NO. (1)
MAP CLASS III
JOB PH-CM-8108

PHOTOGRAMMETRIC OFFICE: Rockville, Md.

OFFICER-IN-CHARGE: Ronald Brewer

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH- ____
MAP CLASS ____
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	5/26/83	Field	10/30/81
Office	8/9/83		

II. DATUMS

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

2. VERTICAL: [X] 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	ZONE
Texas	South Central

5. SCALE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	R. Johanson	1/84
	LANDMARKS AND AIDS BY	R. Johanson	1/84
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY	J. Schad	6/84
	CHECKED BY	N/A	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	R. Johanson	6/84
	CHECKED BY	J. Schad	6/84
INSTRUMENT: Wild B-8	CONTOURS BY	N/A	
SCALE: 1:10,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Johanson	6/84
	CHECKED BY	J. Schad	6/84
METHOD: Smooth Drafted	CONTOURS BY	N/A	
	CHECKED BY	N/A	
	HYDRO SUPPORT DATA BY	N/A	
SCALE: 1:10,000	CHECKED BY	N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	N/A	
6. APPLICATION OF FIELD EDIT DATA	BY	N/A	
	CHECKED BY	N/A	
7. COMPILATION SECTION REVIEW	BY	J. Schad	9/84
8. FINAL REVIEW	BY	E. Allen	1/85
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	E. Allen	4/85
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. Schad	5/85
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E DAUGHERTY	14 MAY 1985

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

NOAA FORM 76-36B
(3-72)

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

COMPILATION SOURCES

TP-01142

1. COMPILATION PHOTOGRAPHY

CAMERA(S) 10B (F/L= 152.74)
Wild RC-8E (F/L= 152.71)

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

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

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
82 E(C) 8492-8496	2/16/82	1245	1:30,000	1.02 ft.
82 B(C) 9965-9966	11/5/82	0940	1:30,000	1.02 ft.

REMARKS
Based on predicted tide reference station Galveston, Sub. Sta. 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:

N/A

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
TP-01139	TP-01143	N/A	TP-01141

REMARKS

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS

TP-01142

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

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. S. Tibbetts	3/82
2. HORIZONTAL CONTROL	RECOVERED BY	N/A	
	ESTABLISHED BY	N/A	
	PRE-MARKED OR IDENTIFIED BY	N/A	
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 — BY		
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

N/A

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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 ☒ NONE

6. 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)*

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

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

4

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-01142

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Final Review 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 and Landmarks
1 Page	PLM's	May 1985	Possible LandmarksFeatures

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

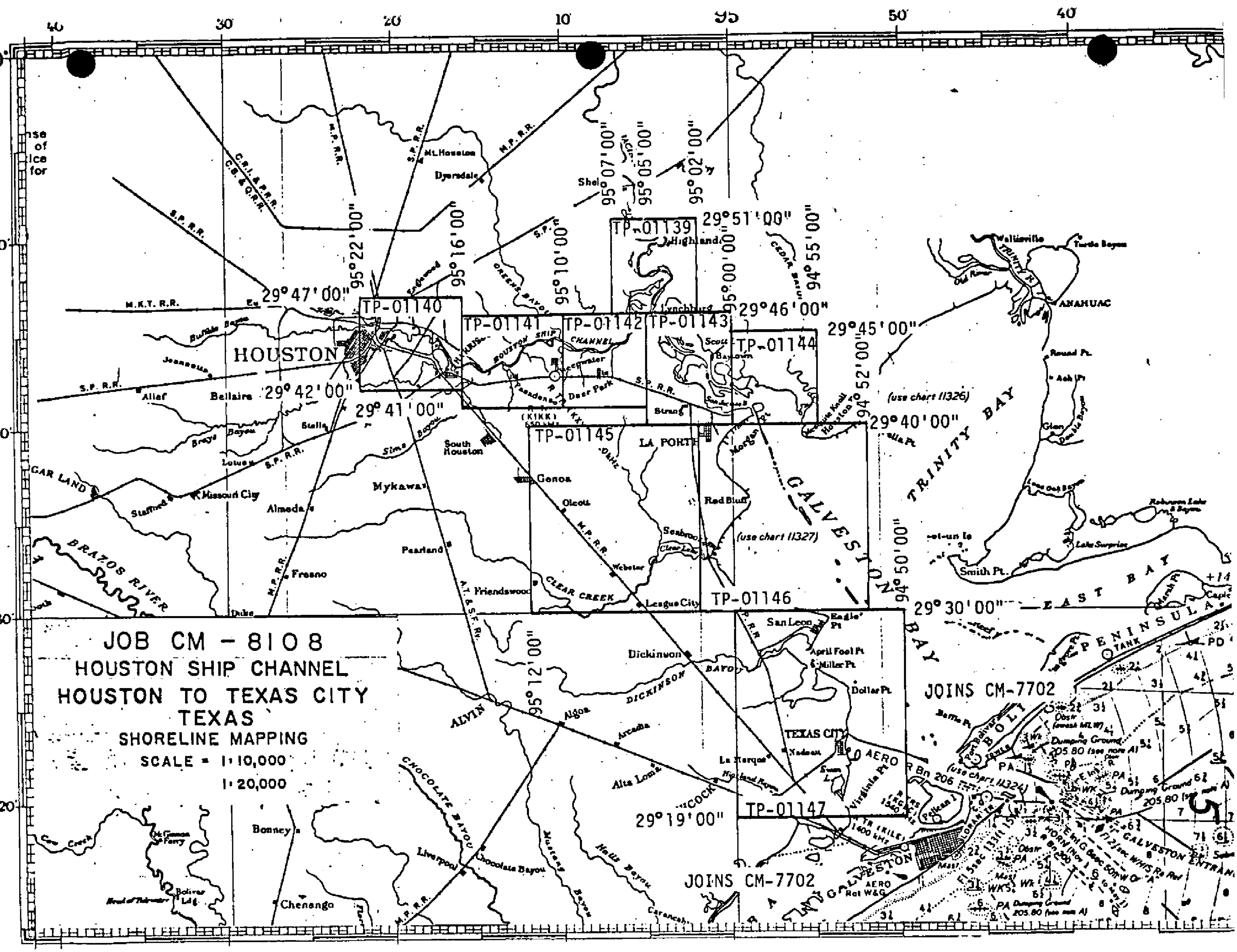
1. [x] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [X] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6


JOB CM - 8108
HOUSTON SHIP CHANNEL
HOUSTON TO TEXAS CITY
TEXAS
SHORELINE MAPPING
SCALE = 1:10,000
1:20,000
TP-01139
TP-01140
TP-01141
TP-01142
TP-01143
TP-01144
TP-01145
TP-01146
TP-01147
JOINS CM-7702
JOINS CM-7702
29°47'00"
29°42'00"
29°41'00"
29°51'00"
29°46'00"
29°45'00"
29°40'00"
29°30'00"
29°19'00"
95°22'00"
95°16'00"
95°10'00"
95°07'00"
95°05'00"
95°02'00"
95°00'00"
94°55'00"
94°52'00"
94°50'00"
95°12'00"
HOUSTON
GALVESTON
GALVESTON BAY
TRINITY BAY
EAST BAY
BRAZOS RIVER
TEXAS CITY
LA PORTE
(use chart 11326)
(use chart 11327)
(use chart 11324)

SUMMARY

TP-01142

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-01142

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

Rick Johanson

Approved and Forwarded:

Don O. Norman

Don O. Norman
Chief, Aerotriangulation Unit

Houston Ship Channel, Texas

CM-8101

Fit to Control
X and Y in Feet

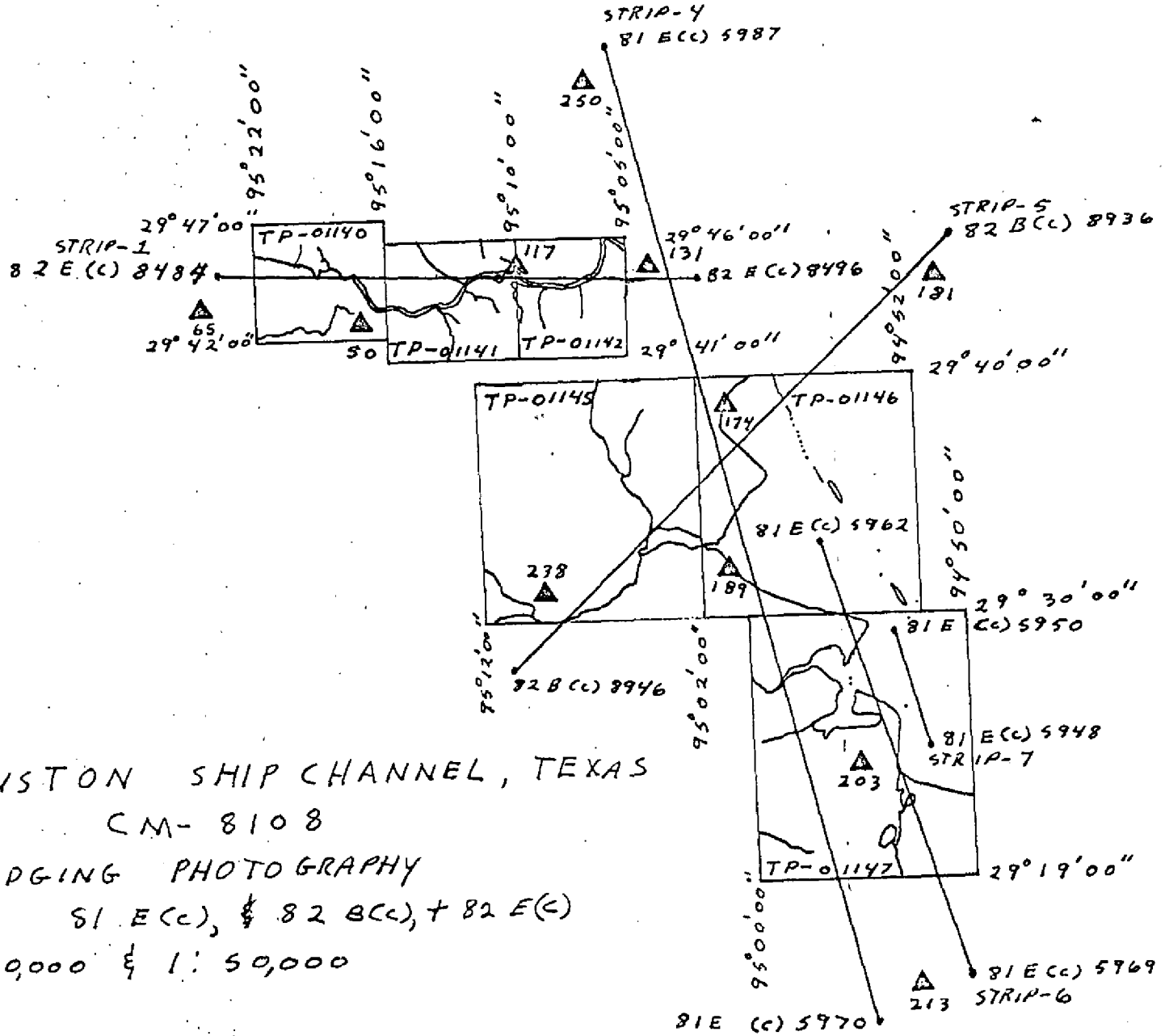
		Name		Point No.	X	Y
		Strip 1				
	65	Rice, 1942				
△			Sub Pt A	484101	1.1	-2.1
△			Sub Pt B	484102	-0.8	1.9
	50	Fire, 1942				
			Sub Pt A	489101	0.3	3.6
△			Sub Pt B	489102	-0.4	-0.6
△			Sub Pt C	489103	-0.7	1.1
	.2	Galena Park Water Tank 2 1968		490108	4.7	5.0
	117	Houston Ethyle Gas Corp Water Tower, 1952				
△			Sub Pt A	492101	1.3	0.5
△			Sub Pt B	492102	-0.2	-1.0
	121A	Deer Park Shell Refining Co. Tallest Stack 1955		494121	0.4	-0.8
	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
		Strip 6				
	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

	Name	Point No.	X	Y
△	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
	Strip 7			
△	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
	Strip #4 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

	NAME	POINT NO.	X	Y
	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



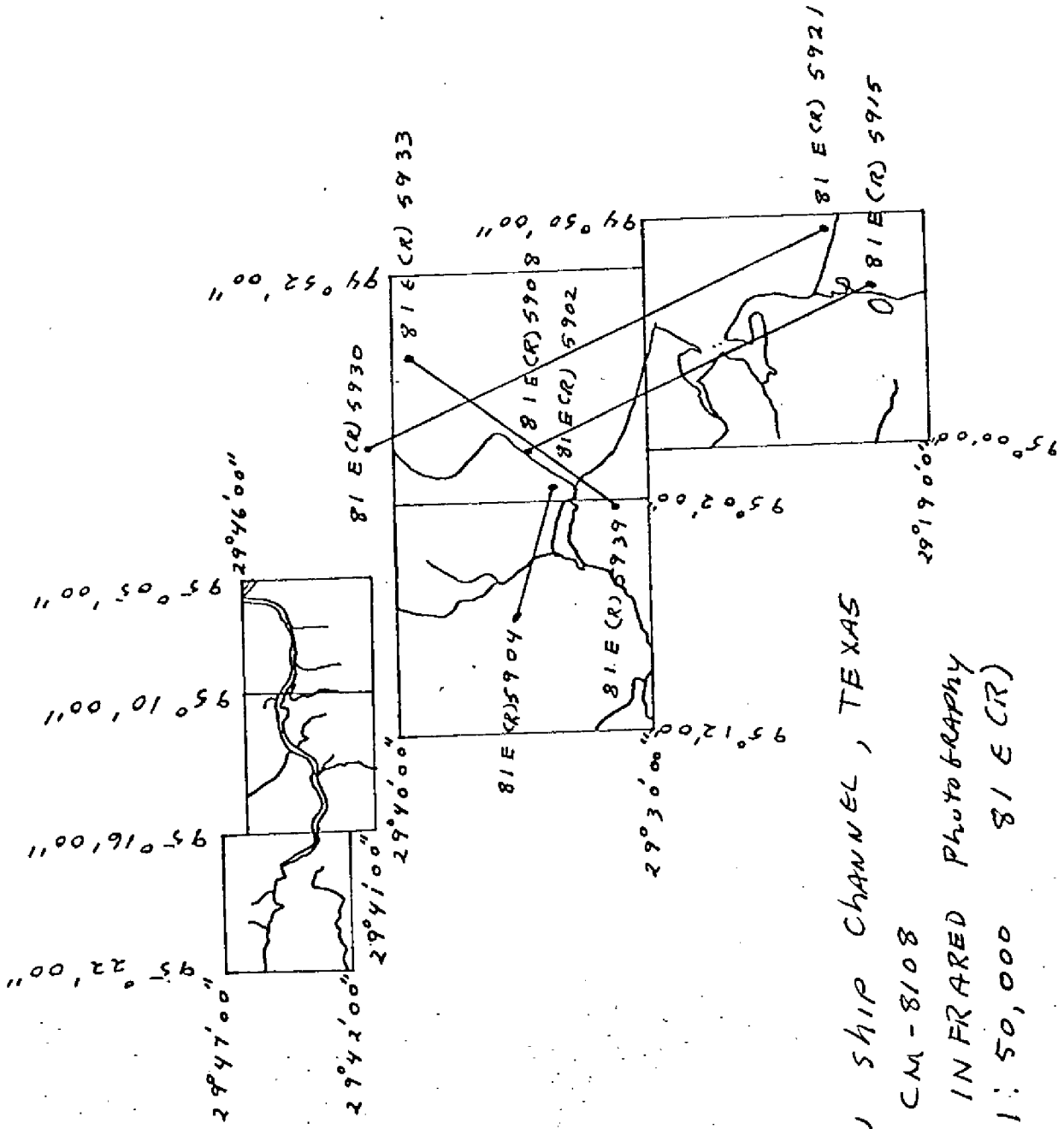
HOUSTON SHIP CHANNEL, TEXAS

CM-8108

BRIDGING PHOTOGRAPHY

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

1:30,000 & 1:50,000



HOUSTON SHIP CHANNEL, TEXAS
CM-8108
MLLW INFRARED 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

FINAL DRAFT 1 Of 1

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01142	CM-8108	NA 1927	Compilation

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Texas ZONE South Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Deer Park Shell Refining Co. Tallest Stack 1955	Quad 290951 Sta 1179	120 B	x= 3229339.59 y= 708724.13	φ 29° 43' 35.615" λ 95 07 33.649	
Deer Park Lubrizoil Co. Tank 1955	Quad 290951 Sta 1177	121 B	x= 3232883.83 y= 706480.15	φ 29 43 12.247 λ 95 06 54.316	
			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	

COMPUTED BY		DATE	COMPUTATION CHECKED BY	DATE
LISTED BY R.O. Johnson		DATE 11/6/84	LISTING CHECKED BY James Schaal	DATE 11/84
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-01142

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 done to this manuscript.

36. Offshore Detail

Offshore detail consisted of dolphins and a wreck in the Buffalo Bayou waterway and obstructions in Old River.

37. Landmarks and Aids

Three nonfloating aids were located by aerotriangulation and verified in Compilation Unit. Nine landmarks and seven nonfloating aids were identified in the Compilation Unit. Twelve possible landmarks were identified in the Compilation Unit.

38. Control for Future Survey - 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 US Geological Survey quadrangles:

La Porte, Texas, 1967
Highlands, Texas, 1967
Pasadena, Texas, 1967
Jacinto City, Texas, 1967

47. Comparison with Existing Charts

A comparison was made with National Ocean Service Chart.

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

Submitted by,

Rick Johanson

Rick Johanson

Approved and Forwarded:

Chief, Coastal Mapping Unit

SEP 17 1984

19

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8108 (Houston Ship Channel, Texas)

TP-01142

Battleship Texas (cultural)

Boggy Bayou Basin

Buffalo Bayou

Carpenter Bayou

Deer Park (Ppl)

Greens Bayou

Jacintoport

Jacintoport Terminal (cultural)

Old River

Patrict Bayou

Port Terminal (RR)

Sundial (cultural)

Tucker Bayou

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE SURVEY

TP-01142

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:

Acting
Chief, Photogrammetric Section

Acting
Chief, Photogrammetry Branch

NOAA Form 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS 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)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Texas	Galveston Bay	Nov.1984

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8108	TP-01142	NA 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	″ D.M. Meters	POSITION LONGITUDE ° ′	″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	Houston Ship Channel							
-LT. 127		29 45	42.687	95 05	07.139	82 E(C) 8495 2/16/82	Aerotriang-ulated	11329
-LT. 128		29 45	47.350	95 05	19.232	82 E(C) 8495 2/16/82	Aerotriang-ulated	11329
-LT. 130		29 45	33.00	95 05	29.78	82 E(C) 8495 2/16/82	Manually Digitized	11329
-LT. 131		29 45	30.172	95 05	21.748	82 E(C) 8495 2/16/82	Aerotriang-ulated	11329
-LT. 132		29 45	11.39	95 05	46.22	82 E(C) 8495 2/16/82	Manually Digitized	11329
-LT. 133		29 45	02.11	95 05	39.42	82 E(C) 8495 2/16/82	Manually Digitized	11329
-LT. 136		29 44	42.06	95 06	15.76	82 E(C) 8494 2/16/82	Manually Digitized	11329
-LT. 142		29 44	11.10	95 07	25.07	82 E(C) 8494 2/16/82	Manually Digitized	11329
-LT. 146		29 44	12.46	95 08	50.35	82 E(C) 8493 2/16/82	Manually Digitized	11329

FINAL DRAFT

NOAA FORM 76-40 (8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

(See reverse for responsible personnel)

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

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Rockville Md.	Texas	Galveston Bay	Nov.1984

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-8108	TP-01142	NA 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
-LT. 150		29 44	33.59	95 09	33.60	82 E(C) 8493 2/16/82	Manually Digitized	11329

NOAA F[illegible] 76-40
(8-74)
Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
N[illegible]ONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING [illegible]TIVITY
- ☐ HYDROGRAPHIC P[illegible]RTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☐ 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

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

OPR PROJECT NO.:
JOB NUMBER: CM-8108
SURVEY NUMBER: TP-01142
DATUM: NA 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	Position Quality	CHARTS AFFECTED
STACK	(DEER PARK SHELL REFINING CO. TALLEST STACK 1955)	29 43	35.615	95 07	33.649	82 E(C) 8494 2/16/82	Geodetic Station	11329
TANK	(DEER PARK LUBRIZOIL CO. TANK 1955)	29 43	12.247	95 06	54.316	82 E(C) 8494 2/16/82	Geodetic Station	11329
TOWER		29 45	55.70	95 05	14.68	82 E(C) 8495 2/16/82	Manually Digitized	11329
TOWER		29 45	49.73	95 05	24.18	82 E(C) 8495 2/16/82	Manually Digitized	11329
TOWER		29 45	04.81	95 05	28.46	82 E(C) 8495 2/16/82	Manually Digitized	11329
TOWER		29 45	17.03	95 05	43.49	82 E(C) 8495 2/16/82	Manually Digitized	11329
TANK		29 43	49.99	95 06	37.28	82 E(C) 8494 2/16/82	Manually Digitized	11329
TANK		29 44	46.15	95 07	05.29	82 E(C) 8494 2/16/82	Manually Digitized	11329
TOWER		29 45	42.48	95 05	32.42	82 E(C) 8495 2/16/82	Manually Digitized	11329

FINAL DRAFT

10/83

MAP FEATURES OF POSSIBLE LANDMARK VALUE

MAP NO.	JOB NO.	GEOGRAPHIC AREA	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01142	CM-8108	Galveston Bay	NA 1927	Compilation

CHARTING NAME	DESCRIPTION	PHOTO NO. (Date of Photo)	PLANE COOR. (FT) STATE Texas ZONE South Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	POSITION QUALITY
Tower		82 E(C) 8495 2/16/82	X Y	φ 29° 45' 31.76" λ 95 05 55.92	Manually Digitized
Tower		82 E(C) 8495 2/16/82	X Y	φ 29 45 26.77 λ 95 05 55.72	Manually Digitized
Tower		82 E(C) 8495 2/16/82	X Y	φ 29 45 26.17 λ 95 05 54.51	Manually Digitized
Tower		82 E(C) 8495 2/16/82	X Y	φ 29 44 35.11 λ 95 06 06.28	Manually Digitized
Stack		82 E(C) 8495 2/16/82	X Y	φ 29 43 58.70 λ 95 06 01.07	Manually Digitized
Stack		82 E(C) 8495 2/16/82	X Y	φ 29 43 59.52 λ 95 06 16.71	Manually Digitized
Stack		82 E(C) 8495 2/16/82	X Y	φ 29 43 49.39 λ 95 06 21.00	Manually Digitized
Tank		82 E(C) 8494 2/16/82	X Y	φ 29 43 53.67 λ 95 06 37.47	Manually Digitized
Stack		82 E(C) 8494 2/16/82	X Y	φ 29 43 25.13 λ 95 07 40.93	Manually Digitized
Stack		82 E(C) 8494 2/16/82	X Y	φ 29 43 25.04 λ 95 07 43.17	Manually Digitized
Tank		82 E(C) 8493 2/16/82	X Y	φ 29 44 04.57 λ 95 09 18.58	Manually Digitized
Tank		82 E(C) 8495 2/16/82	X Y	φ 29 44 31.32 λ 95 05 48.13	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. Johansen	11/6/84	Edward D. Allen	11/6/84

NOAA FORM 61-29
(12-71)

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

REFERENCE NO. TP-0114 1261

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

- [x] ORDINARY MAIL
- [ ] AIR MAIL
- [ ] REGISTERED MAIL
- [ ] EXPRESS
- [ ] GBL (Give number) _____

TO:

Data Control - N/CG243
NOS/NOAA
Rockville, MD. 20852

Pass to Chart Info. - CG 222

DATE FORWARDED
25 June 84

NUMBER OF PACKAGES
(1)

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

OPR-K272, San Jacinto River, Texas

3 - NOAA FORM 76-40 for chart 11329, 11326 and proposed inset on chart 11329

1 - Copy of field sheet section

Area 4
CHT

DLP/11329 A&B - applied 95 10-25-84

DLP/11326 sc/A inset 1 - applied 95 10-26-84

RETURN TO NAUTICAL DATA UNIT FILES

FROM: (Signature) Brian A. Link for
Ronald W. Jones, LCDR, NOAA

RECEIVED THE ABOVE
(Name, Division, Date)

JUN 29 1984

Return receipted copy to:

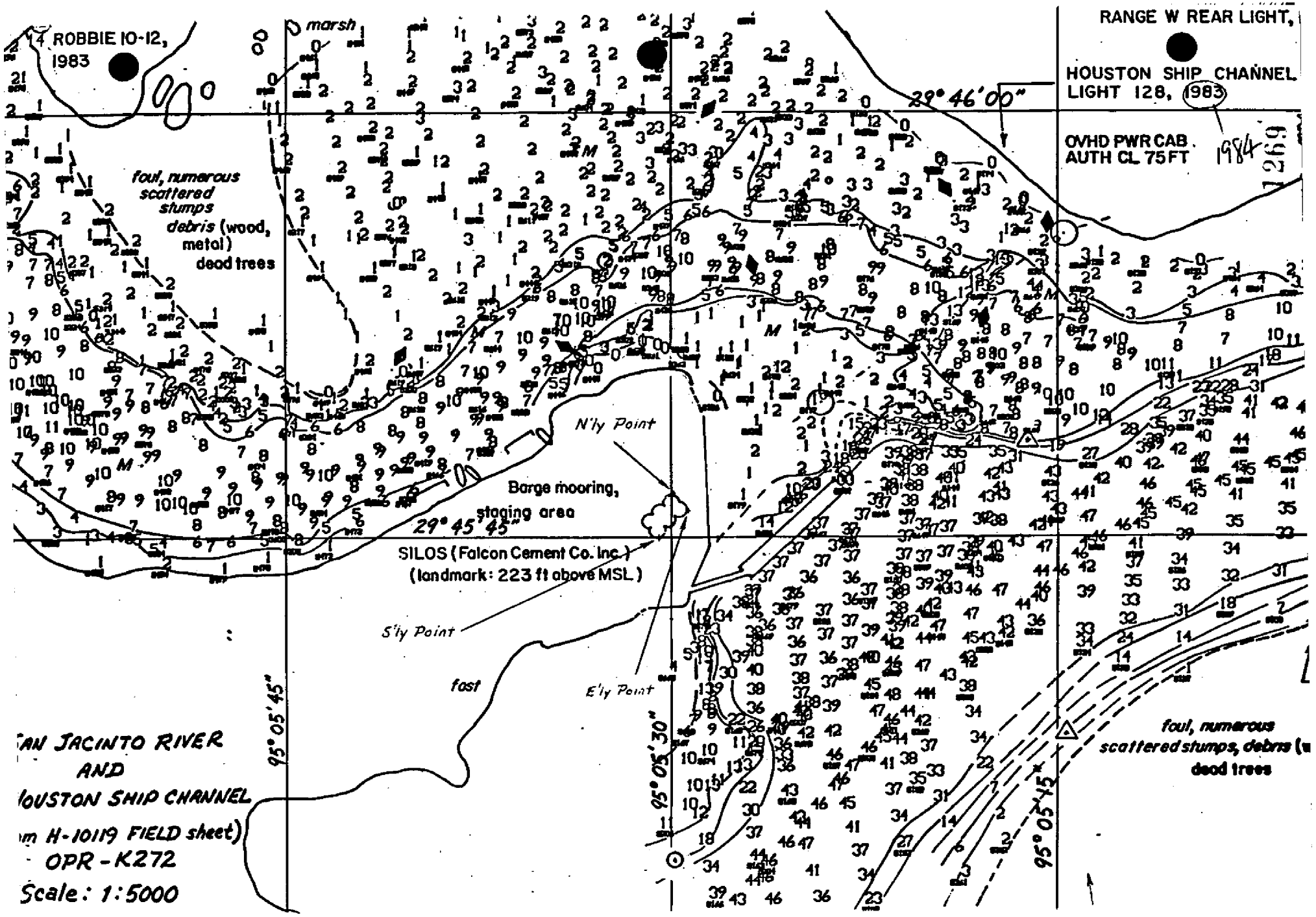
ATLANTIC MARINE CENTER
Hydrographic Field Party Section (MOA233)
439 W. York Street
Norfolk, Virginia 23510

7269
OCT 9 1984

NOAA FORM 61-29 SUPERSEDES FORM C&GS 413 WHICH MAY BE USED.

☆U.S.GPO:1978-0-765-092/124P

OCT 9 1984


ROBBIE 10-12, 1983
marsh
RANGE W REAR LIGHT,
HOUSTON SHIP CHANNEL LIGHT 128, 1983
OVHD PWR CAB. AUTH CL 75FT
1984
7269
29° 46' 00"
foul, numerous scattered stumps
debris (wood, metal)
dead trees
N'ly Point
Barge mooring, staging area
29° 45' 45"
SILOS (Falcon Cement Co. Inc.)
(landmark: 223 ft above MSL)
S'ly Point
E'ly Point
fast
95° 05' 45"
95° 05' 30"
95° 05' 15"
foul, numerous scattered stumps, debris (u
dead trees
AN JACINTO RIVER
AND
OUSTON SHIP CHANNEL
m H-10119 FIELD sheet)
OPR-K272
Scale: 1:5000

DAA FORM 76-40
-74)

eplaces C&GS Form 567.

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

[redacted] LANDMARKS FOR CHARTS *

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

(See reverse for responsible personnel)

[ ] TO BE CHARTED
[ ] TO BE REVISED
[ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
HFP - 4	Texas	San Jacinto River and Houston Ship Channel	5/84

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

PR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
K-272		H-10119	North American 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	″ D.M. Meters	POSITION LONGITUDE ° ′	″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	Silos listed herein, are shown on attached copy of field sheet.					* Positions shown are unadjusted	field computed	
Silos	Most E'ly point of six (connected) At Falcon Cement Co.	29 45	45.93	95 05	29.28	N/C	F-2-6-L 1/12/84	11329A,B 11326A
Silos	Most N'ly point of six (connected) At Falcon Cement Co.	29 45	46.53	95 05	29.85	N/C	F-2-6-L 1/12/84	11329A,B 11326A
Silos	Most S'ly point of six (connected) At Falcon Cement Co.	29 45	44.95	95 05	30.40	N/C	F-2-6-L 1/12/84	11329A,B 11326A
Tank	Channelview Tank New (SIG. #300)	29 47	08.9698	95 06	25.1452	N/C	F-3-6-L 11/83	Proposed inset on 11329
Tank	(Highlands Municipal Tank)	29 48	54.3879	95 03	28.2819	N/C	F-5-Vis	Proposed inset on 11329
Stack	Arco South Stack	29 49	30.2017	95 07	05.2618	N/C	F-3-6-L 11/16/83	Proposed inset on 11329
Stack	Arco North Stack	29 49	39.7887	95 07	05.4345	N/C	F-3-6-L 11/16/83	Proposed inset on 11329
Stack	N.L. Nearing Chemical Stack (SIG. #102)	29 49	07.2860	95 06	04.2170	N/C	F-3-6-L 11/83	Proposed inset on 11329

ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
P.O. BOX 519 AUSTIN, TEXAS 78767
(512) 327-6840

RECD N/CG2x5
DEC 06 1984

TRANSMITTAL LETTER

To: National Ocean Service
6001 Executive Boulevard
Rockville, Maryland 20852

Date: 12/3/84

Attn: Charles Harrington N/CG2x5

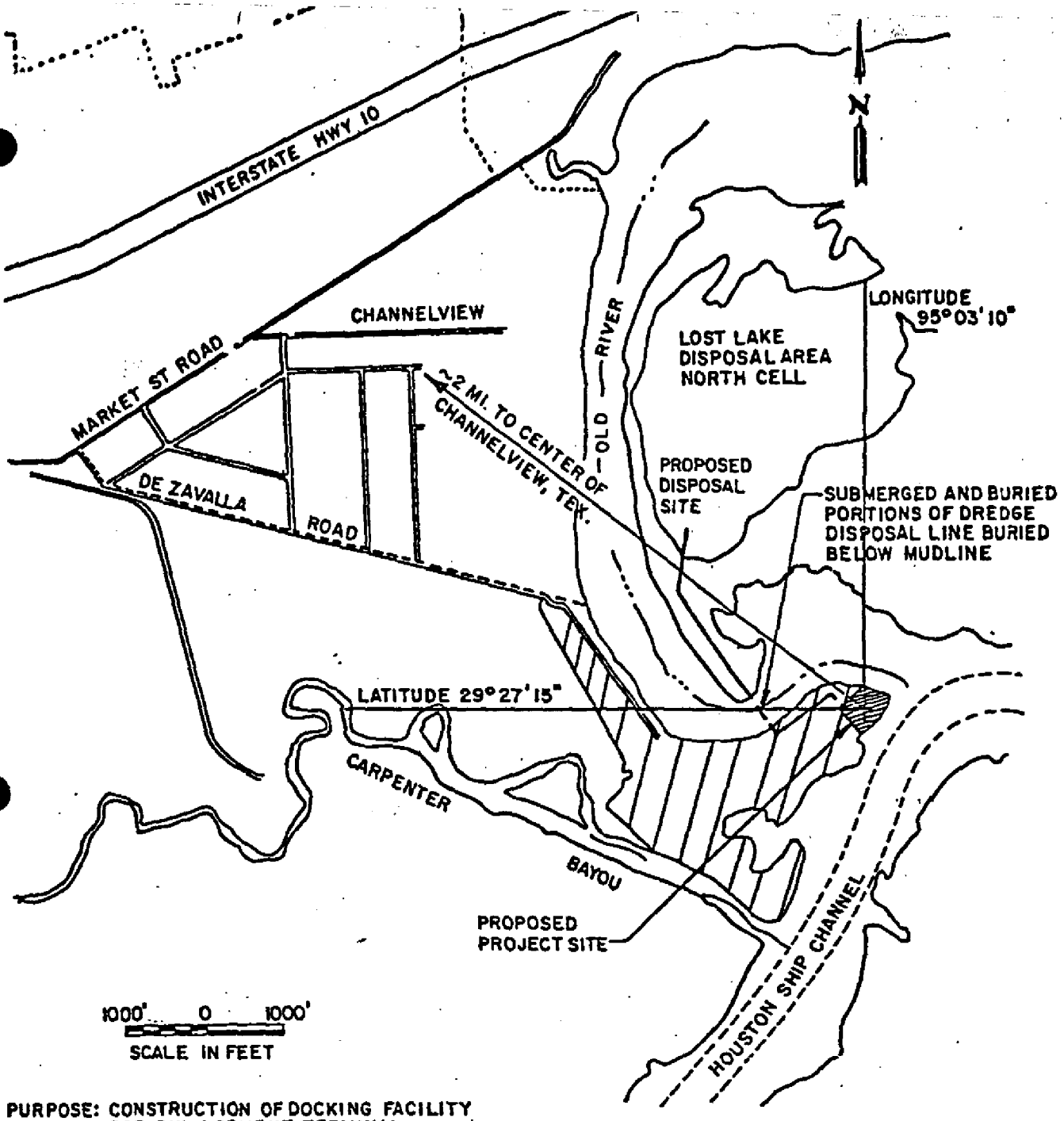
Project: Falcon Cement Terminal

Project No.: _____

Description: 1 set of permit plans as per your request.

- [x] As Requested
- [ ] For Your Information and File
- [ ] For Approval
- [ ] Other

By: Jim Jones



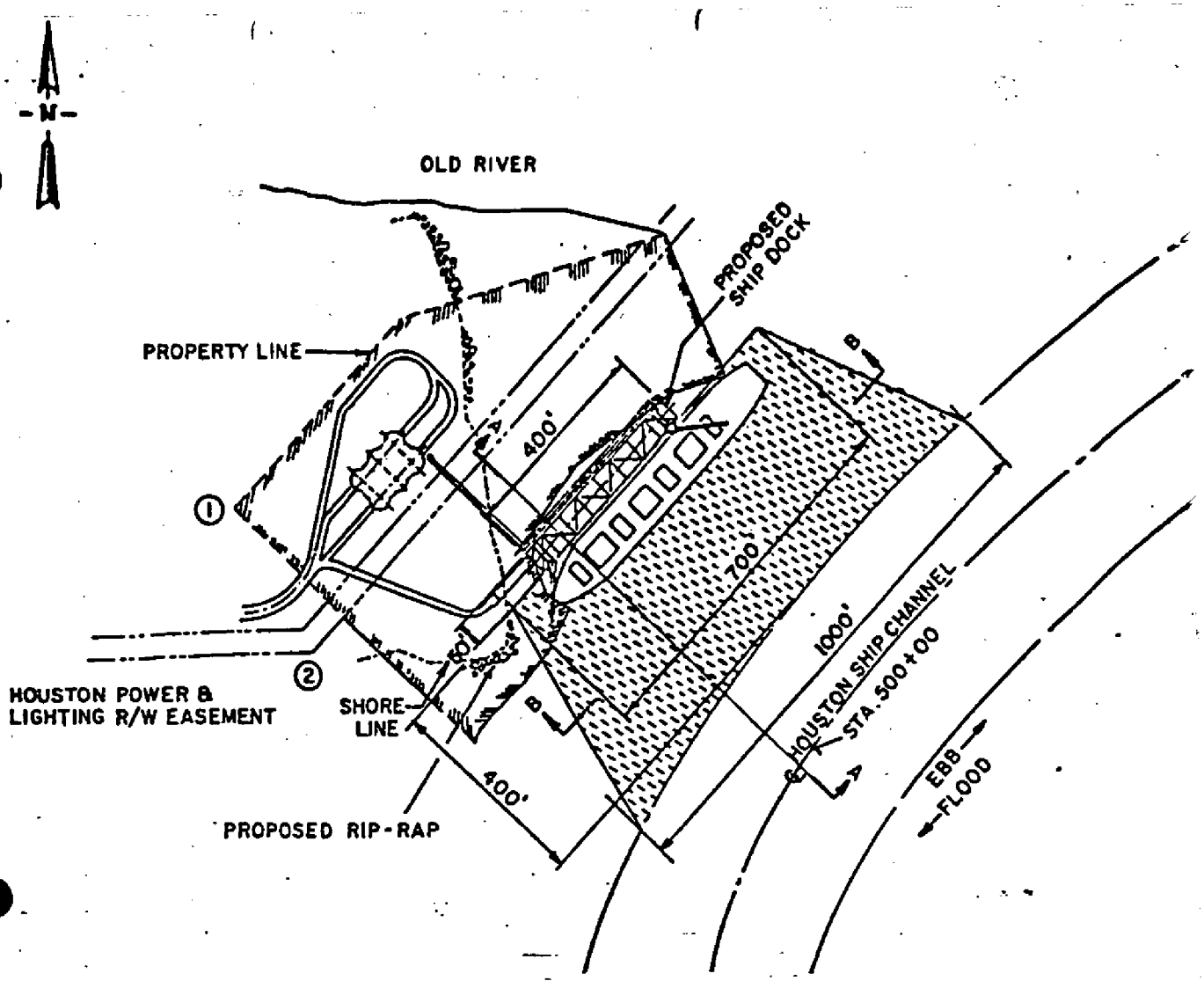
PURPOSE: CONSTRUCTION OF DOCKING FACILITY FOR BULK CEMENT TERMINAL

DATUM: MEAN LOW WATER FOR SUBMERGED AREA
MEAN SEA LEVEL FOR UPLAND AREAS

VICINITY MAP
OF PROPOSED PROJECT SITE
& DISPOSAL SITE

PROPOSED DOCKING FACILITY
HOUSTON SHIP CHANNEL–CHANNEL MILE 35.5
HARRIS COUNTY, TEXAS
APPLICATION BY
INTEREDEC (U.S.A.) INC.

FEB. 8, 1982
REVISED MAR. 16, 1982



DREDGING PLAN

0 200 400

SCALE IN FEET

PROPOSED DREDGING OF APPROXIMATELY 552,000 CU. YDS. OF SANDY CLAY, TO BE HYDRAULICALLY DREDGED AND PLACED IN LOST LAKE SPOIL AREA.

ADJACENT PROPERTY

① GLENN J. YOUNGBLOOD, TRUSTEE

② PENN-TEXAS INC.

PROPOSED DOCKING FACILITY

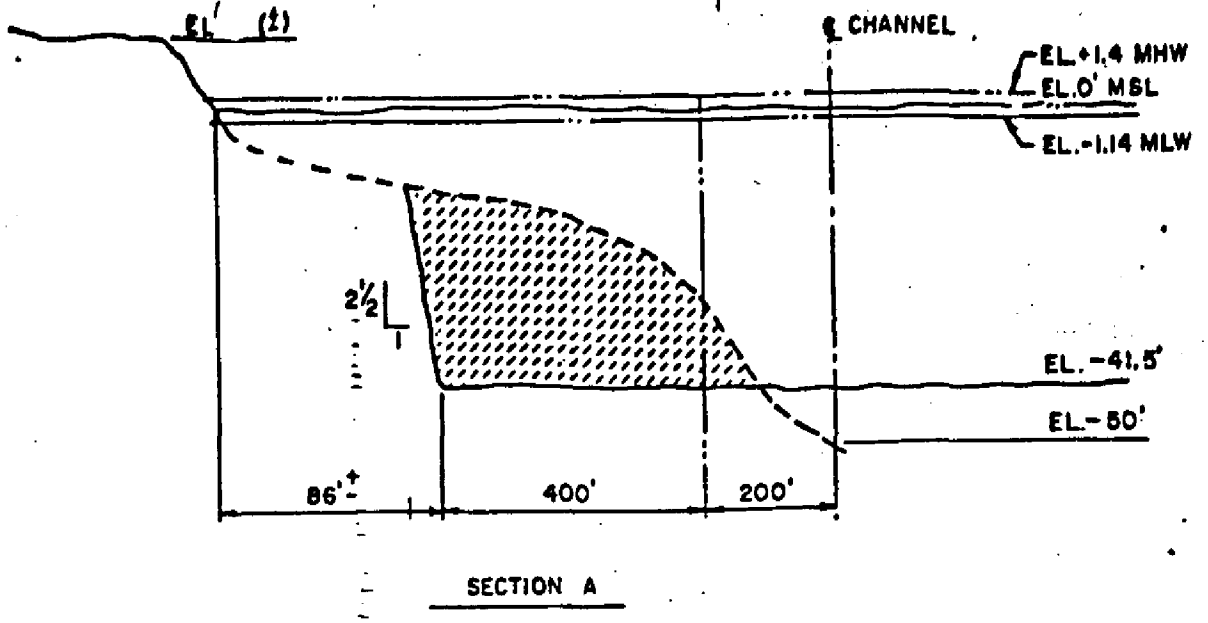
HOUSTON SHIP CHANNEL - CHANNEL MILE 35.5

HARRIS COUNTY, TEXAS

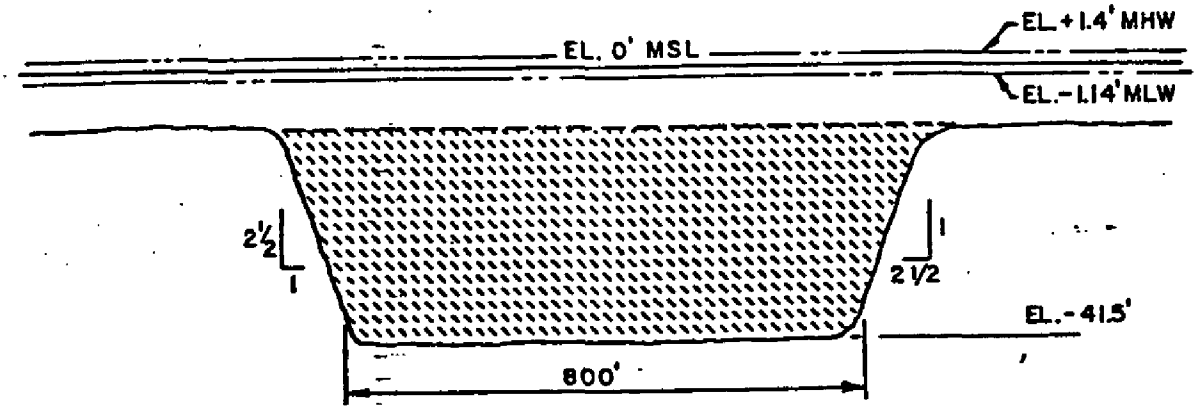
APPLICATION BY

INTEREDEC (U.S.A.) INC.

FEB. 8, 1982
REVISED MAR. 16 1982



SECTION A



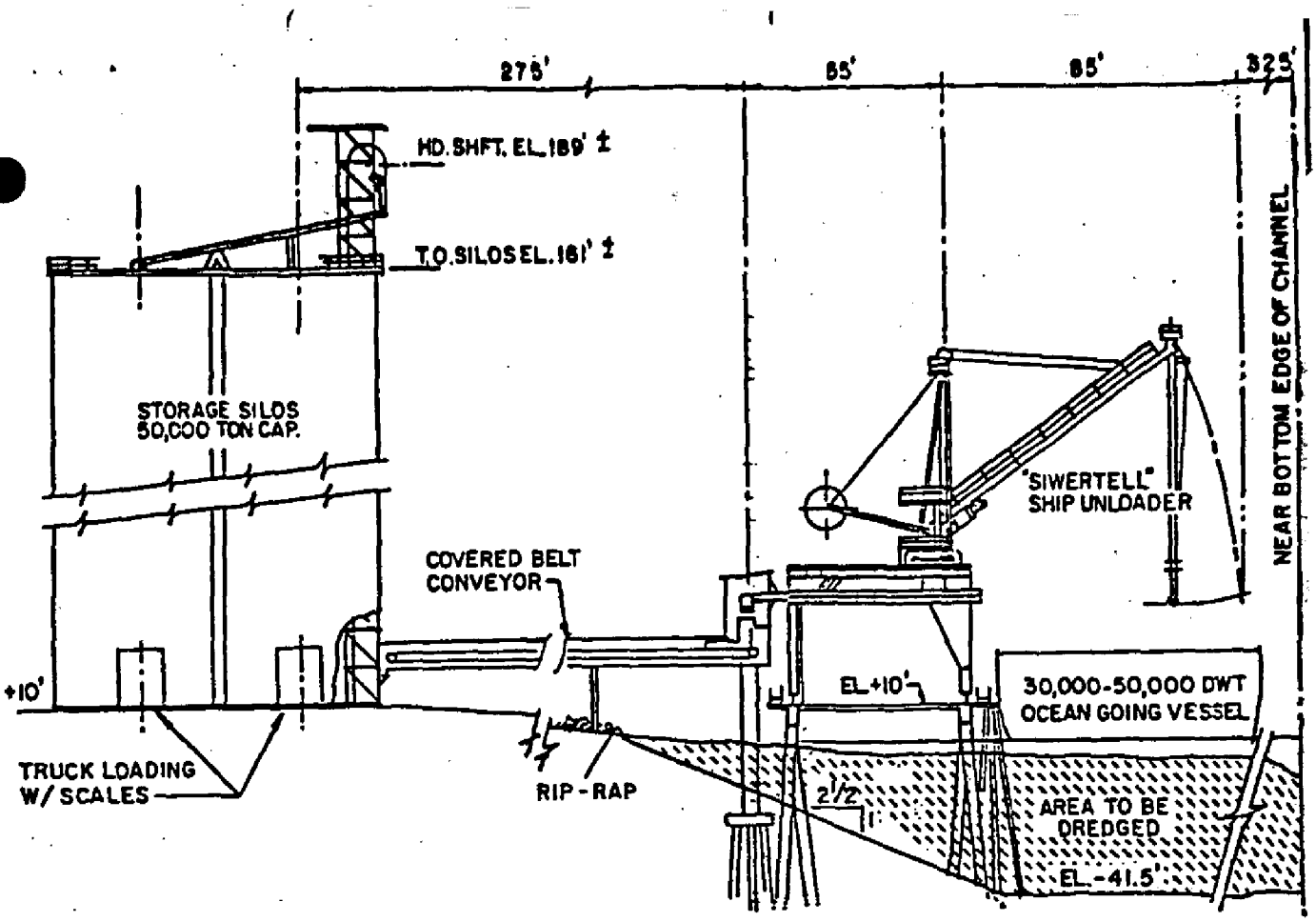
SECTION B

HORIZ. 1"=300' 0 100 200 300 400

VERT. 1"=30' 0 10 20 30 40

PROPOSED DOCKING FACILITY
HOUSTON SHIP CHANNEL-CHANNEL MILE 35.5
HARRIS COUNTY, TEXAS
APPLICATION BY
INTEREDEC (U.S.A.) INC.

FEB. 8, 1982
REVISED MAR. 16, 1982



SITE ELEVATION

0 10 20 30 40 50
SCALE IN FEET

PROPOSED DOCKING FACILITY
HOUSTON SHIP CHANNEL - CHANNEL MILE 355
HARRIS COUNTY, TEXAS
APPLICATION BY
INTEREDEC (U.S.A.) INC.

FEB. 8, 1982
REVISED MAR. 16, 1982

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.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. 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.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.