

9802

Diag. Cht. No. 1282.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC
Field No. Ph-6006 Office No. T-9802LOCALITY
State TEXAS
General locality GALVESTON BAY
Locality TEXAS CITY1960 - 1962CHIEF OF PARTY
Joseph K. Wilson, Chief of Party 720
V. Ralph Sobieralski, Tampa District Officer

LIBRARY & ARCHIVES

DATE January 1965

2039

DESCRIPTIVE REPORT - DATA RECORD

T-9802

Project No. (II): PH-6006

Quadrangle Name (IV):

Field Office (II): Texas City, Texas

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III):

Field and Office (not dated, received Sept. 1960)

Amendment, Field and Office, February 14, 1961

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Kelsh plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000

Scale Factor (III): Pantographed to 1:10,000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~MEAN LOW WATER~~ except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): DOLLAR POINT 2, 1960

Lat.:

Long.:

~~UNADJUSTED~~
Unadjusted

Plane Coordinates (IV):

State: TEXAS

Zone: SOUTH CENTRAL

Y= 604,558.37 Ft.

X= 3,307,562.89 Ft.

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

Areas contoured by various personnel
(Show name within area)
(II) (III)

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Matthew A. Stewart

Date: April 1961

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II): J. Blumer

Date: Dec. 1962

Mean High Water Location (III) (State date and method of location):

Date of photography: Nov. 27, 1960 - Aug. 25, 1960

Air photo compilation

Projection and Grids ruled by (IV): J. D. C. (W.O.)

Date: June 1961

Projection and Grids checked by (IV): J. F. (W.O.)

Date: June 1961

Control plotted by (III): I. I. Saperstein

Date: Sept. 1961

Control checked by (III): V. P. Cackowski

Date: Sept. 1961

~~STEREOSCOPIC~~ Stereoscopic
Control extension by (III): (W.O.)

Date:

Planimetry W. W. Dawsey
Stereoscopic Instrument compilation (III):

Date: Dec. 1961

~~EXTENSION~~

Date:

Manuscript delineated by (III): W. W. Dawsey

Date: Dec. 1961

of compilation

Photogrammetric Office Review/by (III): W. H. Shearouse

Date: Apr. 1962

Elevations on Manuscript Inapplicable
checked by (II) (III):

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **WILD Single-lens "S"**

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
60-S-2296A	9-17-60	1459	1:30,000 Diapositive	0.9
60-S-2297A	9-17-60	1459	" " "	Inland
60-S-9947A	8-25-60	1523	" " "	0.6
60-S-9948A	8-25-60	1523	" " "	"
60-S-9949	8-25-60	1524	" " "	"

NOTE: Southeast quarter of compilation traced from photographic reduction of 1:5,000 scale map manuscript T-10886. See report for that compilation for photograph data.

Predicted Tide (III)

Reference Station: **GALVESTON**
 Subordinate Station: **TEXAS CITY, TURNING BASIN**
 Subordinate Station:

Diurnal

Ratio of Ranges	Mean Range	Spring Range
-	1.0	1.4
1.0	1.0	1.4

Washington Office Review by (IV):

Date:

Final Drafting by (IV): **V.P.Cackowski (Tampa District Office)**Date: **Sept. 1962**Reviewed by: **W.H.Shearouse (Tampa District Office)**

Oct. 1962

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **10**Shoreline (~~NOT RECORDED TO OPPOSITE SHORE~~) (III): **10.1**Shoreline (~~NOT RECORDED TO OPPOSITE SHORE~~) (III):Control Leveling - Miles (II): **Inapplicable** ¹³Number of Triangulation Stations searched for (II): **12***Recovered: ³
2Identified: [✓]
4**Number of BMs searched for (II): **0**Recovered: **0**Identified: **0**Number of Recoverable Photo Stations established (III): **0**Number of Temporary Photo Hydro Stations established (III): **0**

Remarks: * In addition to these ³12, 6 new stations were established
 ** This 4 includes 2 of the new stations.

PROJECT PH-6006

Planimetric Mapping

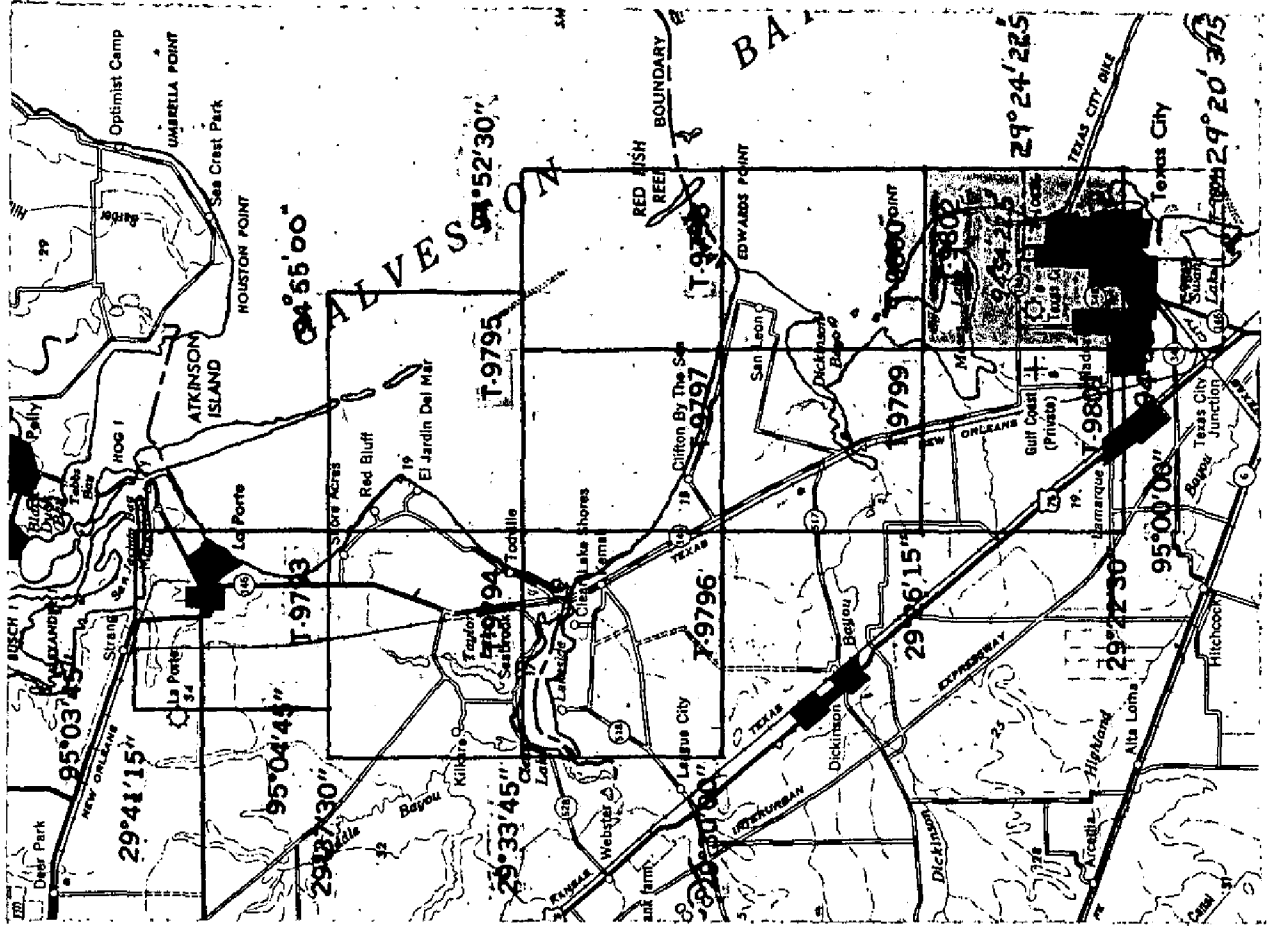
West Shore Galveston Bay

TEXAS

1:10,000 AND 1:5,000 SCALE

Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Shoreline Linear Miles
9793	14	6
9794	18	7
9795	2	5
9796	15	10
9797	3	4
9798	1	7
9799	15	10
9800	3	9
9801	16	4
9802	10	10
9803	13	3
9804	10	14
10886	6	9
	<u>126</u>	<u>98</u>



FIELD INSPECTION REPORT
Map T-9802
Project Ph- 6006

Please refer to the field inspection report submitted with map T-9801
for all information pertaining to this map.

Submitted,

William M. Reynolds
William M. Reynolds

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9802

PROJECT NO. Ph-6006

SCALE OF MAP 1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
DOLLAR POINT 2 1960	Photostat W.O.	N.A. 1927	604,558.37 3,307,562.89	18 4269.8 100 8147.2			11.115 9/14/61 ✓ 4PC "
TEXAS CITY MUNIC. W.T. 1933	PC Pg 45	"	590,034.25 3,302,813.59	17 9842.8 100 6699.6			" " 2 "
MOORE, 1933	Pg 41	"	604,618.55 3,307,716.80	18 4288.1 100 8194.1			" "
DOLLAR POINT(USE) 1900	GPs Pg 187	"	29 25 59.13 94 53 26.18			1820.6 705.6	" "
GALVESTON NORTH BASE (USE) 1900	GPs Pg 186	"	29 25 07.47 94 53 37.91			230.0 1021.9	" "
SHOAL POINT(USE) 1900	GPs Pg 188	"	29 23 39.57 94 53 34.10			1218.3 919.4	" "
TEXAS CITY CHANNEL CUT B INNER R. F. LT. 1961	Field Comp	Engr "	29 22 53.967 94 53 04.567			1661.5 123.2	" "
TEXAS CITY CHANNEL CUT B INNER R. LT. 1960	Form 567		586,645.01 3,307,608.77	17 8809.8 100 8161.1			11 11
TEX. CITY, MUNIC. TANK 9 BAY, #14 ST. NORTH, 1960	Photostat W.O.	"	589,508.89 3,300,746.90	17 9682.7 100 6069.6			" "
TEXAS CITY CHANNEL CUT C RANGE R. LT. 1961	Field Comp	Engr "	29 23 08.312 94 52 32.631			255.9 879.9	" "
TEXAS CITY, MONSANTO CHEM. CO. TANK, 1960	Photostat W.O.	"	584,667.42 3,307,254.07	17 8207.0 100 8053.0			" "
TEXAS CITY, TERMINAL RAILROAD CO. WEST W.T. 1933	PC Pg 45	"	583,602.54 3,306,473.18	17 7882.4 100 7815.0			" "

1 FT. = 3048006 METER

COMPUTED BY 115

DATE Sept 6, 1961

CHECKED BY RJP

DATE Sept 8, 61

COMM-DC-57843

SCALE FACTOR:

1 FT. = 3048006 METER	DATE	CHECKED BY	DATE	COMM-DC-57843
115	Sept 6, 1961	RJP	Sept 8, 1961	
COMPUTED BY:				

COMPILATION REPORT T-9802

PHOTOGRAMMETRIC PLOT REPORT

The analytic aerotriangulation bridge was run in the Washington Office. The report is incorporated with the Descriptive Report for T-9803.

31. DELINEATION

The Kelsh plotter was used for delineation.

The southeast quarter of this 1:10,000 scale compilation was traced from the 1:5,000 scale photographic reduction of T-10886.

Alleyways between streets in Texas City were classified "ddl" by the field inspector. They were not compiled.

Field inspection was satisfactory. No unusual difficulties were encountered in photographic interpretation.

32. CONTROL

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA

1. One reduction of planimetric manuscript T-10886, 1:5,000 scale.

One map of tracks and waterfront facilities of the Texas City Terminal Railway Co., Scale 1" = 400'.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. The drainage was delineated according to the field inspection, and as interpreted from the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and no difficulty was encountered in its delineation. All alongshore details were shown as indicated by the field inspection.

The low-water line was not shown, nor were any shoal lines.

36. OFFSHORE DETAILS

All offshore details were shown according to field inspection notes.

37. LANDMARKS AND AIDS

There are four nonfloating aids and three landmarks for charts. They have been reported on form 567 and were submitted under date of May 2, 1962.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with the following:

T-9800 to the north; T-10784 (1:20,000 scale) of Ph-5910, to the east; T-9803 and T-9804 (1:5,000 scale) to the south; T-9801 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. quadrangle TEXAS CITY, TEXAS, scale 1:24,000, edition of 1954. The comparison is favorable except for extensive shoreline changes in the Texas City Channel area.

There are no planimetric maps covering this area.

Comparison was made with the C&GS shoreline survey T-8944, compiled from 1947 photographs, scale 1:10,000. Extensive shoreline changes were noted; the map is considered obsolete.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart 886, 1:40,000 scale, edition of January 5, 1953, revised September 26, 1960. Shoreline changes are the same as those mentioned in item 46.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of September 11, 1961	April 1962	superseded
Compilation complete Alongshore area revised from field edit	October 1963	

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

for *Webber W. Dawsey*
Webber W. Dawsey
Cartographer (Photo)

APPROVED AND FORWARDED

J. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T9802		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PROJECTION AND GRIDS WHS		2. TITLE WHS		4a Classification label <u>unclassified</u>	
				3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE WHS
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) XX		
	7. PHOTO HYDRO STATIONS WHS	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE (WO)	
	11. DETAIL POINTS WHS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX	
	16. AIDS TO NAVIGATION WHS	17. LANDMARKS WHS	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS				
PHYSICAL FEATURES	20. WATER FEATURES WHS		21. NATURAL GROUND COVER WHS		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES WHS				
CULTURAL FEATURES	27. ROADS WHS	28. BUILDINGS WHS	29. RAILROADS WHS		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES WHS		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS	
	35. LEGIBILITY OF THE MANUSCRIPT WHS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
	38. FIELD INSPECTION PHOTOGRAPHS WHS		39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse		SIGNATURE OF SUPERVISOR REVIEW SECTION OF UNIT <i>Milton M. Slavney</i> Milton M. Slavney		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT-Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>J. Honick</i> J. Honick			SIGNATURE OF SUPERVISOR <i>Milton M. Slavney</i> Milton M. Slavney		

16

FIELD EDIT REPORT T-9802
(Shoreline)

51. METHODS

The shoreline was inspected by truck, skiff and walking. The distance to the MHWL was spot checked at intervals from points of known location and found to be correct and adequate.

Corrections and additions to the manuscript have been noted on the field edit sheet in red. Deletions are shown in green.

All additions and deletions were compiled on the milar advance manuscript furnished this unit. This was done for the benefit of the East Coast Field Party.

The changes were then transferred to the field edit sheet included with this report.

52. ADEQUACY OF COMPILATION

The map compilation appears complete and adequate with the exception of the corrections and additions shown on the ozalid field edit sheet.

53. MAP ACCURACY

The accuracy of the map compilation appears to be complete and adequate.

54. RECOMMENDATIONS

There are no recommendations.

55. EXAMINATION OF PROOF COPY

No one was contacted to examine a proof copy of the map.

for *M. M. Slaney*
James H. Blumer
LTJG, C&GS
Photo Hydro Party 723

GEOGRAPHIC NAMES

T-9802 (Texas City)

Dollar Bay

Dollar Point

Edwards Point

Galveston Bay
Heights

Moses Lake

Silo Bayou

Snake Island

Texas City

Texas City Channel

Texas City Dike

Windmill Bayou

A. J. Wraight

A. J. Wraight
Geographic Names

Review Report
of Planimetric Maps

T-9793 thru T-9804 and T-10886

August 1964

61. General Statement

This project is a continuation of mapping Project PH-5910 (21024). It completes our modern base mapping along the western side of Galveston Bay for nautical and aeronautical charting programs.

62. Comparison with Registered Topographic Surveys

T-283	1:20,000	1850
T-298	1:20,000	1850
T-4860	1:20,000	1933
T-4867	1:20,000	1934
T-6051	1:10,000	1934
T-8944	1:10,000	1947

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Texas City	1:24,000	1954
La Porte	1:24,000	1955
League City	1:24,000	1955
Bacliff	1:24,000	1956
Virginia Point	1:24,000	1956

There are cultural and shoreline differences but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8693	1:10,000	1962
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Shoreline and control was furnished prior to hydrography and no changes of importance have been made.

65. Comparison with Nautical Charts

588	1:10,000	1964
886	1:40,000	1963
1282	1:80,000	1963 revised to May 1964

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Sherrin
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waugh 11/26/65
Chief, Photogrammetry Division

