

9801

Original

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-9801
LOCALITY	
State	TEXAS
General locality	GALVESTON BAY
Locality	MOS ES BAYOU
1960-1962	
CHIEF OF PARTY	
Joseph K. Wilson, Chief of Party 720	
V. R. Sobieralski, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	January 1965

USCOMM-DC 5087

9801

DESCRIPTIVE REPORT - DATA RECORD

T-9801

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 & Office (not dated) rec'd
Sept. 1960
Amendment " " Feb. 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 Sea Level~~ 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): MOSES 1933

Lat.: 29°25'30.034" (924.7 m)

Long.: 94°57'43.147" (1163.0 m)

Adjusted
~~Horizontal~~

Plane Coordinates (IV):

State: TEXAS

Zone: SO CENTRAL

Y= 600,904.79 ✓

X= 3,285,155.77 ✓

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.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PLANIMETRIC

COMM-DC-57842

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: Sept. 17, 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.D.)

Date: June 1961

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

Date: Sept. 1961

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

Date: Sept. 1961

~~Radio Plot~~ Stereoscopic

Date:

Control extension by (III): Washington Office

Planimetry R. J. Pate

Date: Nov. 1961

Stereoscopic Instrument compilation (III):

~~Contours~~

Date:

Manuscript delineated by (III): R. J. Pate

Date: Nov. 1961

... of compilation

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

Date: April 1962

Elevations on Manuscript

Date:

checked by (II) (III): Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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

4.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
E. of sheet 60-S-2295	17 Sept. 1960	2:58	1:30,000	Diaposi- Inland
" " " 60-S-2296	" " "	2:59	"	tive " "
S of sheet 60-S-2305	" " "	3:17	"	" / 0.9 ft.
" " " 60-S-2307	" " "	3:18	"	" "
" " " 60-S-2308	" " "	3:19	"	" "

Predicted Tide (III)

Reference Station: Galveston
Subordinate Station: Texas City, Turning Basin
Subordinate Station:

Diurnal

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

Washington Office Review by (IV):

Date:

Final Drafting by (IV): R. Dossett (Tampa District Office)
Reviewed by: W.H. Shearouse (Tampa District Office)
Drafting verified for reproduction by (IV):

Date: Oct. 1961
Oct. 1962

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 15.5
Shoreline (More than 200 meters to nearest shore) (III): 3.9 Linear Mi.
~~Shoreline (Less than 200 meters to nearest shore) (III):~~
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 2 Recovered: 1 Identified: 1
Number of BMs searched for (II): 0 Recovered: 0 Identified: 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

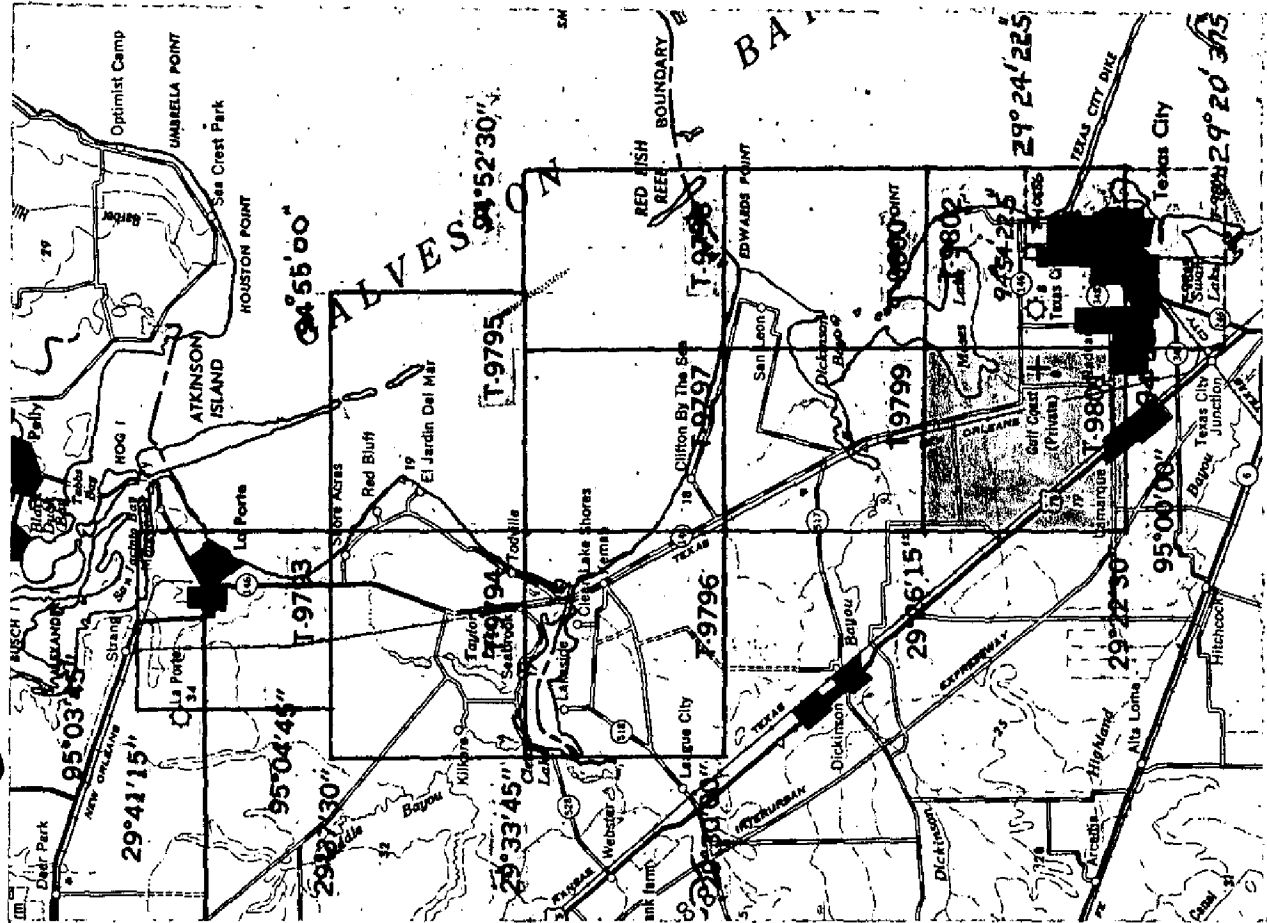
PROJECT PH-6006

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>

2-16-62

5

FIELD INSPECTION REPORT
Maps T-9801, T-9802
Project Ph-6006

2. Areal Field Inspection.

These maps are located in the southeastern part of Texas, along the west side of Galveston Bay. The area is both rural and urban. The rural area is low flat stretches of open grassland and is used primarily for grazing. The growing of rice is the chief crop other than cattle. The urban area consists of Texas City and the northern part of La Marque. Texas City is highly industrialized and has several large chemical plants and oil refineries located therein. It also is a port of considerable importance. The port is connected to the gulf by a deep water channel through the lower part of Galveston Bay. La Marque is primarily residential and little industry is located there. In addition to the channel, the area is served by a network of good highways and railroads.

Field inspection is believed complete and was performed on the following 1:10000 scale single lens photographs; 60S2295A through 60S2297A, 60S2307A through 60S2309A and 60S9947A through 60S9949A.

Photography was taken in August and September of 1960. The photographs were of very good quality and no difficulty was encountered in their interpretation in the field. The photographs have no unusual tone changes.

No items were deliberately omitted or left for field edit.

3. Horizontal Control.

All Coast And Geodetic Survey stations were searched for. The requirements for control of the plot were adequately met in these maps.

Three stations were located by third-order triangulation methods in 1960. These stations are, Texas City Municipal Tank, 9th. Avenue and 14th. Street North 1960, Texas City, Monsanto Chemical Co. Tank 1960 and Texas City Channel Cut B Inner Range Rear Light 1960. Texas City Channel Cut B Inner Range Front Light and Texas City Channel Cut C Range Rear Light were located by a checked three point fix in 1961. All of the above stations are located in map T-9802. No adjustments were made by the field party.

The following stations were reported lost;

<p style="text-align: center;">T-9801</p> <p>Highland Bayou 1850 VOR Galveston GLS 1955</p> <p style="text-align: center;">T-9802</p> <p>Texas City Cut B Inner Rear Range Beacon 1933 Texas City Range Rear Light 1911 Texas City Light 5 1911 Texas City Sugar Refinery Stack 1933</p>	<p style="text-align: center;">T-9802</p> <p>Dollar Point (USE) 1900 Moore 1933 Galveston North Base (USE) 1900 Texas City Cut B Inner Front Range Beacon 1933 Texas City Range Front Light 1911 Shoal Point (USE) 1900 Texas City, Knox Refining Co. Tank 1933</p>
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4. Vertical Control.

Inapplicable

5. Contours and Drainage.

Contours are inapplicable.

Drainage is self-evident from an examination of the photographs.

6. Woodland Cover.

There is no woodland cover within these maps.

7. Shoreline and Alongshore Features.

The mean high water line was inspected by skiff running close to shore and by walking along the shore. It has been indicated by symbol on the photographs.

The low water line was not located or inspected.

There is little or no foreshore. There are no bluffs or cliffs.

All docks, landings, piers and wharves have been indicated on the field inspection photographs.

Shore ends of submarine cables or pipelines have been indicated on the field inspection photographs.

Attention is called to the shoreline and field inspection in the overlap area between the planimetric and topographic maps. This inspection has been indicated on the 1:5000 scale photographs and will be submitted with the contour maps.

8. Offshore Features.

The only offshore features are the aids to navigation in the Texas City Channel.

9. Landmarks and Aids.

Landmarks and fixed aids to navigation are adequately covered by Form 567. Copies of this form are included with this data.

10. Boundaries, Monuments and Lines.

The only boundaries investigated were the corporate limits of La Marque and Texas City. Part of the limits of Texas City was indicated on nine-lens photograph 56497 and submitted with data for map T-10787, Project Ph-5910. The remainder of the boundary has been indicated on single lens photographs 60S2294A and 60S2309A. The corporate limits of La Marque was indicated on nine-lens photograph 56494. This photograph was also submitted with the data for map T-10787, Project Ph-5910.

11. Other Control.

None was established.

12. Other Interior Features.

All roads were driven and have been classified on the photographs.

All buildings were inspected and landmark buildings have been indicated on the photographs.

One small airport is located in map T-9802, northwest of Texas City. This field is suitable for light aircraft only. The limits have been indicated on photograph 60S2297A.

12. cont'd

Measurement of bridges and cables was not required.

The railroad yards in and around Texas City were indicated on the nine-lens photographs for map T-10787, Project Ph-5910. They are also indicated on the 1:5000 scale contour photographs. If any discrepancy between the two sets of photographs should be found, the 1:5000 scale photographs are to be accepted. The railroads were field inspected on these prints and indicated as they are actually in place on the ground. There was probably not enough room on the 1:20,000 scale photographs to indicate them with the exact number of tracks.

13. Geographic Names.

A special report of Geographic Names was not required. The field inspector was alert for any new names for charting. One new name is recommended for maps T-9799 and T-9801. The large reservoir located along the west side of state highway 146 is known locally as "Galveston County Industrial Water Reservoir".

14. Special Reports and Supplemental Data.

Nine-lens photographs numbered 56494 and 56497

Map of corporate limits of Texas City

Map of corporate limits of La Marque

The above information was submitted with data for map T-10787, Project Ph-5910.

Form 567, included with this data

Letter of transmittal, included with this data

Submitted,

William M. Reynolds
William M. Reynolds

PROJECT NO. Ph-6006 SCALE OF MAP 1:10,000

SCALE FACTOR

1 FT. = .3048006 METER	COMPUTED BY: <u>115</u>	DATE: <u>Sept 6, 1961</u>	CHECKED BY: <u>RJP</u>	DATE: <u>Sept 8, 1961</u>	COMM-DC-57843
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COMPILATION REPORTT-9801PHOTOGRAMMETRIC PLOT REPORT

The analytic aerotriangulation bridge was run in the Washington Office. See report submitted with T-9803.

31. DELINEATION

Compilation of this sheet was done on the Kelsh Plotter. Photographic coverage was complete and field inspection was satisfactory.

32. CONTROL

Control was adequate and placement was good. See Photogrammetric Plot Report for details.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The high water line is shown as indicated by the field inspection which was adequate. The low water line was not shown. There are no shoal lines.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of September 11, 1961	April 1962	
Shoreline field edit in December 1962 revealed no changes Compilation complete		

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Joined on the north by T-9799, on the east by T-9802 and south by T-10787 (1:20,000 scale) of Ph-5910. Junctions are in agreement. There is no survey on the west. However, the area is the same as the southwest quarter of 1:24,000 scale USGS quadrangle TEXAS CITY TEXAS, published in 1954. Map details along the western limits are in reasonably good agreement as proved by proportional divider testing.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the G.S. quadrangle "Texas City, Tex." scale 1:24,000, published in 1954. They are in good agreement. There are no C&GS T-sheets.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC&GS nautical chart No. 1282 edition of Aug. 1, 1960, revised Jan. 23, 1961 and corrected to Feb. 1961, scale 1:80,000. No accurate comparison could be made with this small scale chart, however agreement appears to be satisfactory.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Russell J. Pate
Russell J. Pate
Carto-Photo Aid

Approved and Forwarded:

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

FORM 182 (9-61)		50.		PHOTOGRAMMETRIC OFFICE REVIEW T- 9801		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY			
1. PROJECTION AND GRIDS WHS		2. TITLE WHS				3. MANUSCRIPT NUMBERS WHS		4. MANUSCRIPT SIZE WHS	
		4a. Classification label <u>unclassified</u>							
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 XX		8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES XX		10. PHOTOGRAMMETRIC PLOT REPORT W.O.		
	11. DETAIL POINTS RES								
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 XX		17. LANDMARKS XX		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 XX				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 OR UNIT <i>Milton M. Slawney</i> Milton M. Slawney				
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 Shoreline Field Edit in December 1962 revealed no changes.				SIGNATURE OF SUPERVISOR <i>M. M. Slawney</i>					

FIELD EDIT REPORT T-9801
(Shoreline)

51. METHODS

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

Corrections and additions to the manuscript have been noted on the field edit sheets 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. EXAMINATIONS 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-9801 (Moses Bayou)

La Marque

Moses Bayou

Moses Lake
Nadeau
Texas City

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-293	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 L. Lamm
Chief, Photogrammetric Branch Chief, Nautical Chart Division

J. E. Vaughn 1/26/65
Chief, Photogrammetry Division

