

# 9804

Original

Diag. Cht. No. 1282.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Topographic  
PLANIMETRIC  
Field No. Ph-6006 Office No. T-9804

### LOCALITY

State TEXAS  
General locality GALVESTON BAY  
Locality TEXAS CITY SE

1960-19 61

### CHIEF OF PARTY

Joseph K. Wilson, Chief of Field Party  
V.R. Sobieralski, Tampa District Officer

### LIBRARY & ARCHIVES

DATE January 1965

USCOMM-DC 5087

# 9804

## DESCRIPTIVE REPORT - DATA RECORD

T- 9804

PROJECT NO. (II):  PH-6006		
FIELD OFFICE (III):  Texas City, Texas		CHIEF OF PARTY  J. K. Wilson
PHOTOGRAMMETRIC OFFICE (III):  Tampa, Florida		OFFICER-IN-CHARGE  V. R. Sobieralski
INSTRUCTIONS DATED (II) (III):  Field and Office (732 ms) not dated(received Sept. 30, 1960) Amendment dated Feb. 14, 1961		
METHOD OF COMPILATION (III):  Kelsh Plotter		
MANUSCRIPT SCALE (III):  1:5,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):  1:2,000
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):  N.A. 1927		VERTICAL DATUM (III): MEAN SEA LEVEL EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>
REFERENCE STATION (III):  Texas City Terminal Railroad Co. East Water Tank, 1933		
LAT.: 29°22'31"375(966.0 m)	LONG.: 94°53'46.754 (1260.9m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  Y = 583,599.16 Ft.      X = 3,306,679.01 Ft.		STATE  Texas
		ZONE  So. Central
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.		



FORM C&GS-181b  
(12-61)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): J. K. Wilson W. M. Reynolds		DATE: May 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo compilation Date of photography: Nov. 27, 1960		
PROJECTION AND GRIDS RULED BY (IV):  J.D.C. (W.O.)		DATE June 1961
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III):  I. I. Saperstein		DATE Sept. 1961
CONTROL CHECKED BY (III):  V. P. Cackowski		DATE Sept. 1961
<del>RADIAL PLOT</del> OF STEREOSCOPIC CONTROL EXTENSION BY (III): B. F. Lampton (W.O.)		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):  R. J. Pate	PLANIMETRY R. J. Pate	DATE Nov. 1961
	CONTOURS traced from photos R. J. Pate	DATE Nov. 1961
MANUSCRIPT DELINEATED BY (III):  R. J. Pate		DATE Nov. 1961
SCRIBING BY (III): V. P. Cackowski Reviewed by: W. H. Shearouse		DATE April 1962 Sept. 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation: I. I. Saperstein Drafting: W. H. Shearouse		DATE April 1962 Oct. 1962
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild Single-lens "S"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60-S-4658A	11/27/60	12:58	1:10,000 Dia-	0.7
" 4659A	"	"	" positives	"
" 4666A	"	1:06	" "	"
" 4667A	"	"	" "	"
" 4668A	"	"	" "	"
" 4630A	"	12:37	" "	"
" 4631A	"	"	" "	"
" 9843A	8/25/60	13:05	1:10,000	Not used in delineation. Centers located for photo-hydro party.
" 9844A	"	"	"	
" 9845A	"	"	"	
" 9846A	"	"	"	

## Predicted TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Galveston (Galveston Channel) Texas	-	1.3	2.0
SUBORDINATE STATION: Texas City Turning Basin	1.0	1.0	1.4
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

6\*

RECOVERED: 0

IDENTIFIED: 0

NUMBER OF BM(S) SEARCHED FOR (I):

0

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

\* Including 2 stations south of project.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of Sept. 11, 1961	Nov. 1961	

# PROJECT PH-6006

Planimetric Mapping

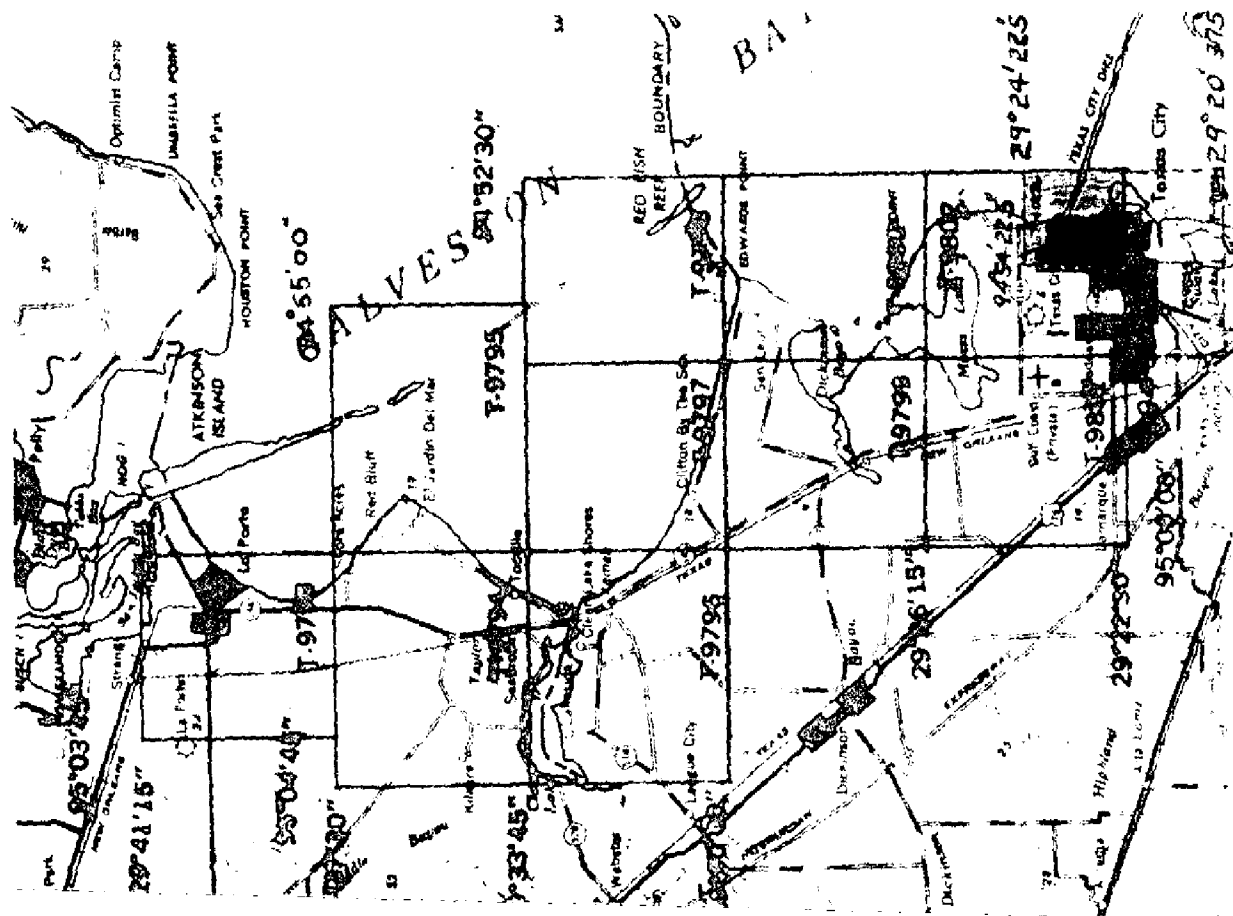
West Shore Galveston Bay

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	7	7
9799	15	10
9800	13	9
9801	16	4
9802	10	10
9803	13	3
9804	10	14
10886	6	9
	126	98



FIELD INSPECTION REPORT  
Map T-9804  
Project Ph-6006

Please refer to Field Inspection Report submitted  
with Map T-10886 for any information pertaining  
to this map.

Approved 6-5-61

*Joseph H. Wilson*  
J.K. Wilson

Submitted 6-5-61

*W. H. Reynolds*  
W.M. Reynolds



SCALE FACTOR

1 FT. = 3048006 METER	COMPUTED BY: 115	DATE: Sept 6, 1961	CHECKED BY: RJP	DATE: Sept 8 61	COMM-DC-57843
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COMPILATION REPORT  
T-9804

PHOTOGRAMMETRIC PLOT REPORT

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

31. DELINEATION:

Shoreline and inshore detail was mapped by means of the Kelsh plotter,

Field inspection was adequate.

Four photo centers were located on the manuscript for the photo-hydro party only and not used for delineation. See data record for numbers of photo centers.

32. CONTROL

Control for each model was adequate and well placed. See Photogrammetric Plot Report. *Filed with Desc. Report T9803*

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours were transferred to the map manuscript directly from the field photographs and were controlled by points dropped during Kelsh delineation.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Low-water lines were based on data furnished by the field party.

All alongshore details have been shown as indicated by the field inspection.

36. OFFSHORE DETAILS

None, except for dolphins immediately offshore.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Joined on the north by T-10886, on the west by T-9803 and on the south by T-11787 (1:20,000). This map was reduced and comprises the northeast 1/8 of T-11787. Water area is to the east. The junctions are in agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the USGS quadrangle, Virginia Point, Texas, scale 1:24,000 published 1954. The comparison is generally favorable except for the marsh area north of Swan Lake, which is now water.

Comparison has also been made with Shoreline Survey T-8944, 1:10,000 dated Oct. 1947. Changes are the same as noted above with additional changes in the barge canal and Snake Island.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 886, 1:40,000 edition of Jan. 5, 1953 revised Sept. 26, 1960. The same difference was noted as in Item 48.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*R. J. Pate*  
R. J. Pate  
Carto photo Aid

APPROVED AND FORWARDED: 11 DEC 1962

*V. Ralph Sobieralski*  
V. Ralph Sobieralski  
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (3-61) 50		PHOTOGRAMMETRIC OFFICE REVIEW T. 9804		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS WHS		2. TITLE WHS 4a Classification label <del>unclassified</del>		3. MANUSCRIPT NUMBERS WHS	
4. MANUSCRIPT SIZE WHS					
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY XX		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 R.J.P. (Kelsh)				
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 WHS		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL WHS		25. SPOT ELEVATIONS WHS		
	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		
MISCELLANEOUS	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 William H. Shearouse		SIGNATURE OF SUPERVISOR 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			SIGNATURE OF SUPERVISOR		


USE REVERSE SIDE FOR REMARKS

USCOMM-DC 26553-P61

GEOGRAPHIC NAMES

T-9804 (Texas City, S.E.)

Barge Canal

 Galveston Bay

Snake Island

Swan Lake  
Turning Basin  
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-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 Therman*  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*J. E. Waugh 1/26/65*  
Chief, Photogrammetry Division



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FIELD EDIT REPORT T-9804  
(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 sheets in red. Deletions are shown in green.

All additions and deletions were compiled on the milar advanced manuscripts 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* *W. H. Blumer*  
James H. Blumer  
LTJG C&GS  
Photo Hydro Party 723

FIELD EDIT REPORT T-9804  
(Shoreline)

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52. ADEQUACY OF COMPILATION

The map compilation appears complete and adequate with the exception of the corrections and additions shown on the original 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.

James H. Blumer  
LTJG C&GS  
Photo Hydro Party 723

