

9793

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-9793

LOCALITY

State Texas

General locality Galveston Bay

Locality La Porte

19 60-62

CHIEF OF PARTY

J.K.Wilson, Chief of Field Party

V.R.Sobieralski, Tampa Dist. Officer

LIBRARY & ARCHIVES

DATE January 1965

USCOMM-OC 5087

3
2
2
9

DESCRIPTIVE REPORT - DATA RECORD

T - 9793

PROJECT NO. (II):

PH-6006

FIELD OFFICE (III):

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. 30, 1960)
Amendment, Field and Office, February 14, 1961

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000

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): 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):

SYLVAN 1933

LAT.:

29°38'38.733"(1192.6m)

LONG.:

95°00'49.855"(1341.0m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

=679,951.32 FT.

x = 3,265,941.39 FT.

STATE

Texas

ZONE

South Centr

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

FIELD INSPECTION BY (II): M. A. Stewart		DATE: February 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography: September 16, 1960 <i>Field Edit - Blumer 1962</i>		
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 " "
CONTROL PLOTTED BY (III): I. I. Saperstein		DATE September 1961
CONTROL CHECKED BY (III): R. J. Pate		DATE " "
RADIAL PLOT OF STEREOSCOPIC CONTROL EXTENSION BY (III): B. F. Lampton		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY R. E. Smith Reviewed by: I.I.Saperstein	DATE January 1962
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R. E. Smith Reviewed by: W. H. Shearouse		DATE Jan. 1962 May 1962
SCRIBING BY (III): R. Dossett Reviewed by: W. H. Shearouse		DATE Sept. 1962
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. R. Wagner		DATE Jan. 1963
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60-S-1993A	9/16/60	0904	1:30,000 Dia	0.9
60-S-1994A	"	0905	"	"
60-S-1995A	"	"	"	"
60-S-2002A	"	0914	"	"
60-S-2003A	"	"	"	"

Predicted TIDE (III)

Diurnal

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Galveston	-	1.0	1.4
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): 16*	RECOVERED: 12	IDENTIFIED: 5		
NUMBER OF BM(S) SEARCHED FOR (II): 0	RECOVERED:	IDENTIFIED		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None				

REMARKS:

* Two forms 526 are submitted for NEAL 1932, one recovery dated 1960, the other 1961. Also, four triangulation intersection stations were established.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compiled from field inspection done prior to hurricane CARLA of Sept. 11, 1961	May 1962	Superseded
Alongshore area revised from field edit. Compilation complete	April 1963	

PROJECT PH-6006

Planimetric Mapping

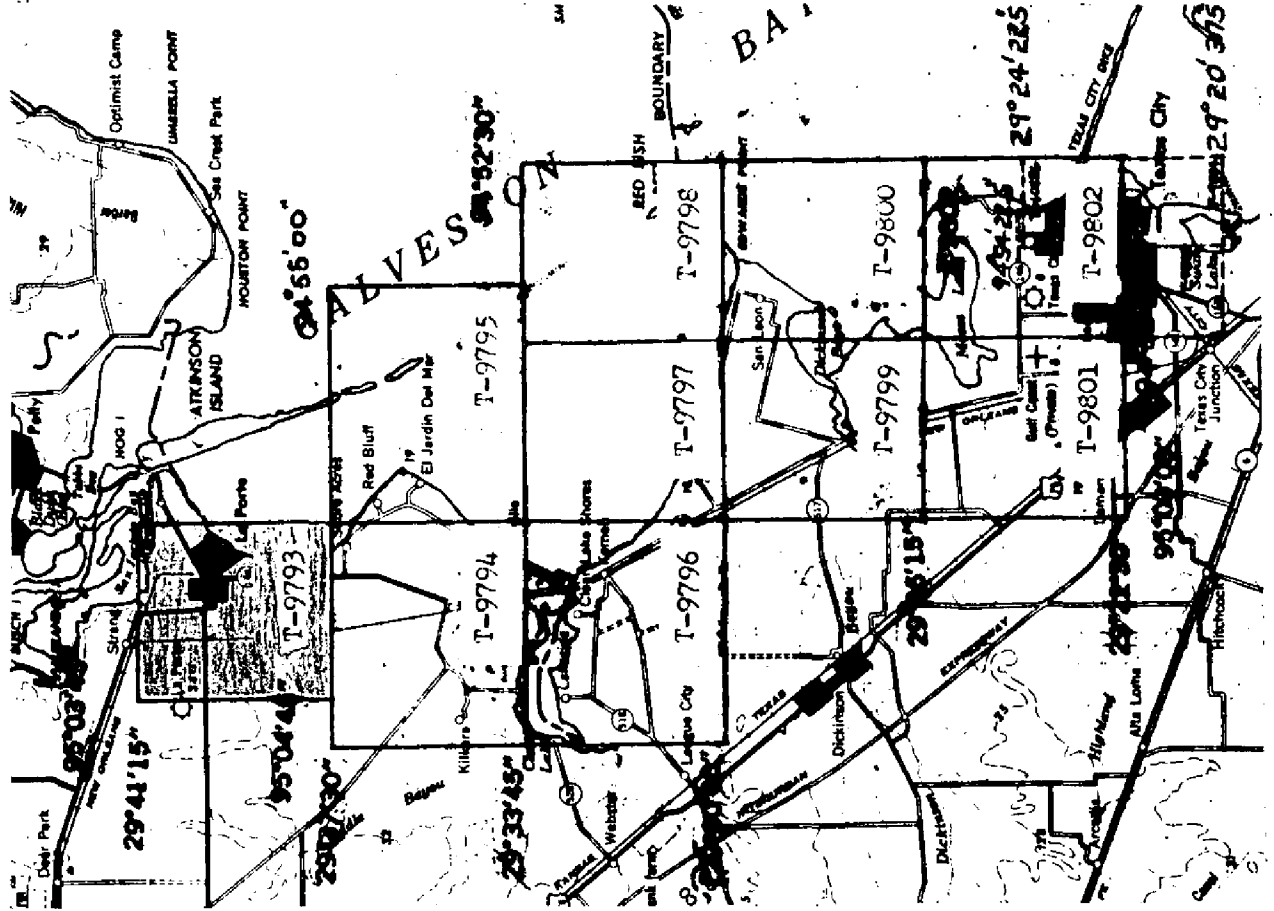
West Shore Galveston Bay

TEXAS

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

Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Shoreline Linear Miles
9793	14	5.8
9794	18	7.2
9795	1.5	4.8
9796	15	10.1
9797	3	4.2
9798	3	6.5
9799	14.5	10.1
9800	3	8.8
9801	15.5	3.9
9802	10	10.1
9803	12.5	3.0
9804	9.5	14.0
10886	6.3	9.0
	123.1	97.5



FIELD INSPECTION REPORT
Maps T-9793, T-9794 and T-9795
Project Ph-6006

2. Areal Field Inspection.

These maps are located in the southeastern part of Texas, along the northwest side of Galveston Bay. The area is primarily rural but has two small towns and a part of the third town located within their limits. LaPerte, Shereacres and a part of Morgan Point are the previously mentioned towns.

LaPerte has several industrial plants located nearby. The principal one being Dupont Chemical Company, which is located about 2 miles north of the town. Shereacres and Morgan Point are primarily residential areas and contain many summer homes as well as the permanent dwellings. The entire west shore of the bay is built up with summer homes and a few permanent ones.

Field inspection is believed complete and was performed on the following photographs; 60S 1944A through 60S 1946A, 60S 1991A through 60S 1995A, 60S 2002A through 60S 2006A and 60W 9755 through 60W 9763.

The photography was taken in August and September of 1960 and was of very good quality. No difficulty was encountered in their interpretation in the field.

3. Horizontal Control.

All Coast and Geodetic Survey stations, within the project limits were searched for. The requirements, as indicated on the project layout were adequately met. Horizontal control was identified on a set of 1:30,000 scale photographs. The control was identified in accordance with Photogrammetry Instruction No. 22, Revised.

Four new range lights and one light along the Houston Ship Channel were located by intersection from previously established triangulation stations. third-order accuracy was obtained. These stations are Galveston Bay Upper Range A Front and Rear Lights, Galveston Bay Upper Range B Front and Rear Lights and Houston Ship Channel Light 89. In 1960 Houston Ship Channel Lights 67, 68, 71, 72, 75, 76, 79, 80, 81, 85, 86, 89 and 90 were located by third-order triangulation. Light 89 was knocked out in January 1961 and was relocated in February 1961. Lights 79 through 90 are outside the project.

Three points, along the Houston Ship Channel Spoil Banks, were located by third-order methods. These points were located to control the black and white ratio prints of the color photography. These points were not permanently marked.

No adjustments were made by the field party.

One lost station was identified. Station PEDEN 1931 was destroyed by road construction and RM 1 was identified in lieu of the station.

The following stations were reported lost.

T-9793
HEAD 1930
RAIL 1930
TURN 1930

T-9794
MORRIS 2 1911
PEDEN 1931
SALES 1932

T-9795

Houston Channel Beacon No. 19 1933
 Houston Channel Beacon No. 20 1933
 Houston Channel Beacon No. 21 1933
 Houston Channel Beacon No. 22 1933
 Houston Channel Beacon No. 23 1933
 Houston Yacht Club Beacon 1933
 RED BLUFF (USE) 1901

4. Vertical Control.

Three tidal bench marks were recovered in map T-9794. These marks are Clear Lake, Harris County Park Tidal Bench Marks 1, 2 and 3. One mark was identified.

5. Contours and Drainage.

Contours are inapplicable.

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

6. Woodland Cover.

Woodland cover was inspected and has been classified on the photographs.

7. Shoreline and Alongshore Features.

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

The low water line was not located. There is little or no foreshore.

Approximate limits of one prominent bluff, around Red Bluff Point, has been indicated on the photographs.

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

Shore ends of submarine cables and pipelines have been indicated on the photographs.

8. Offshore Features.

The only offshore features are the aids to navigation and the spoil banks along the Houston Ship Channel.

9. Landmarks and Aids.

Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form for the entire project will be submitted at a later date.

There are no aeronautical aids within these maps.

10. Boundaries, Monuments and Lines.

The only boundaries investigated were the corporate limits of LaPerte, Lomax, Morgan Point and Shoreacres. City maps of LaPerte and Morgan Point were obtained. The corporate limits of Shoreacres has been placed on the photos. The corporate limits of Lomax is to be compiled from the U.S. Geological Survey, LaPerte Quadrangle. These limits were verified by the mayor. The corporate limits of LaPerte have been placed on the photographs.

11. Other Control.

None was established.

12. Other Interior Features.

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

All landmark buildings have been indicated on the photographs.

There is one abandoned airfield in map T-9794. The area is now overgrown with grass and weeds and is not recognizable as an airport.

The eastern part of LaPorte Municipal Airport is located in map T-9793. This airport has no regularly scheduled flights and is suitable for light aircraft only.

13. Geographic Names.

A systematic investigation of names was not required. No new names were discovered during field inspection.

14. Special Reports and Supplemental Data.

City Map of LaPorte

City Map of Morgan Point

U.S.G.S. LaPorte Quadrangle

Form 567, to be submitted at a later date

Submitted,

William M. Reynolds
William M. Reynolds

SGALE FACTOR

1 FT. = 3048006 METER

Rev 7, 1961

CHECKED BY:

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DATE Sept 7 61

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COMPILATION REPORT
T-9793

The analytic aerotriangulation bridge was run in the Washington Office and is bound with T-9803.

31. DELINEATION

The Kelsh plotter was used in delineation. Field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

Some of the roads labeled ddl by the field inspector have been shown as dfl as they are part of the street pattern of LaPorte.

32. CONTROL

See Photogrammetric Plot Report. *Filed with Desc. Report T9803*

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The shoreline and alongshore details such as piers, bulkheads, etc. have been shown according to the field inspectors notes. No low-water line was shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

There are no aids to navigation.

Form 567 for one landmark was submitted to the Washington Office under date of July 5, 1962.

38. CONTROL FOR FUTURE SURVEYS

One topographic station has been located and is listed under Item 49. It is a water tank and no form 524 was submitted.

39. JUNCTIONS

A junction has been made with T-9794 to the south. Copies of up-to-date junction maps of project PH-76 to the north were not available.

This map lies in the southeast quadrant of LAPORTE quadrangle. Junction of important features such as roads and shoreline are in good agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

Project instructions exclude boundaries under Item 6.04 5. City limits of La Porte and Lomax have therefore not been delineated although paragraph 10 of the Field Inspection Report states that these boundaries were recovered.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS LaPorte quadrangle, 1:24,000 scale, edition of 1955. A new canal is noted in the northeast corner. Otherwise the comparison is favorable.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1282 scale 1:80,000, edition of August 1, 1960, revised January 23, 1961. The same difference noted under item 46 applies.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

R. E. Smith
R. E. Smith
Carto photo Aid

APPROVED AND FORWARDED: 22 APR 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

49. NOTES FOR THE HYDROGRAPHER

One unmarked topographic station was located.

TANK, 1961

FIELD EDIT REPORT
(Shoreline)
Quadrangle T-9793

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 advance 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 sheets included with this report.

52. ADEQUACY OF COMPILATION

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

53. MAP ACCURACY

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

54. RECOMMENDATIONS

It is recommended that the La Porte St. Mary's Seminary Stack, 1933, be utilized as a landmark. There are no other recommendations.

55. EXAMINATION OF PROOF COPY

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

Submitted:

William A. Rasure

for

James H. Blumer
LT.(jg) C&GS

Photo Hydro Party 723

PHOTOGRAMMETRIC OFFICE REVIEW

T-9793

1. PROJECTION AND GRIDS RRW		2. TITLE RRW 4a Classification label <u>unclassified</u>		3. MANUSCRIPT NUMBERS RRW	4. MANUSCRIPT SIZE RRW
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) RRW		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT W.O. (BRIDGE)	
	11. DETAIL POINTS RES (KELSH)				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RRW	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX	
	16. AIDS TO NAVIGATION XX	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW		
	19. OTHER ALONGSHORE CULTURAL FEATURES RRW				
PHYSICAL FEATURES	20. WATER FEATURES RRW		21. NATURAL GROUND COVER RRW		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES RRW				
CULTURAL FEATURES	27. ROADS RRW	28. BUILDINGS RRW	29. RAILROADS RRW		
	30. OTHER CULTURAL FEATURES RRW				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES RRW			34. JUNCTIONS RRW	
	35. LEGIBILITY OF THE MANUSCRIPT RRW		36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS
	38. FIELD INSPECTION PHOTOGRAPHS RRW		39. FORMS RRW		
	SIGNATURE OF REVIEWER <i>R. R. Wagner</i> R. R. Wagner		SIGNATURE OF SUPERVISOR REVIEW SECTION OR 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>Jack H. Smith</i> Jack H. Smith			SIGNATURE OF SUPERVISOR <i>M. M. Slavney</i> M. M. Slavney		

USE REVERSE SIDE FOR REMARKS

GEOGRAPHIC NAMES

T-9793

(La Porte)

Barbours Cut

Bayside Terrace

Crescent Shores

Galveston Bay

La Porte

Little Cedar Bayou

Morgan Point

Pine Bluff

San Jacinto Bay

Sylvan Beach

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:

<i>Charles L. Hanner</i> Chief, Photogrammetric Branch	Chief, Nautical Chart Division
<i>J. E. Waugh 1/13/65</i> Chief, Photogrammetry Division	

