T-12262-12263-12264

T-12262-12263-12264

T-12262-12263-12264

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Shoreline

Field No.: Office No.: T-12262, T-12263, T-12264

LOCALITY

State: Texas

General locality: Galveston Bay

Locality: Trinity Bay

19 63

CHIEF OF PARTY

J. E. Waugh, Chief of Party

Div. of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE

COMM-DC 61300

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T- 12244, 12245, 12262, 12265, 12264

PROJECT NO. (II): PH-6212	
FIELD OFFICE (II): Galveston, Texas	CHIEF OF PARTY: J. H. Blumer
PHOTOGRAMMETRIC OFFICE (III): Washington, D. C.	OFFICER-IN-CHARGE: J. E. Waugh
INSTRUCTIONS DATED (II) (III): September 11, 1962 - Office September 12, 1962 - Field	
METHOD OF COMPILATION (III): Graphic	
MANUSCRIPT SCALE (III): 1:20,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:40,000
DATE RECEIVED IN WASHINGTON OFFICE (IV): October 19, 1962	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE: / DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): NA 1927	VERTICAL DATUM (III): 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):	
LAT.: / LONG.:	☐ ADJUSTED ☐ UNADJUSTED
PLANE COORDINATES (IV): Y = X =	STATE / ZONE

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. H. Blumer, E. W. Hartford	DATE: Jan.-Feb. 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Stage of tide at time of photography. (.4 above MLW) obtained from Tides and Currents. Preliminary manuscripts compiled by office interpretation and MHWL was revised following field inspection.	
PROJECTION AND GRIDS RULED BY (IV): A. Roundtree	DATE 9-20-62
PROJECTION AND GRIDS CHECKED BY (IV): I. Y. Fitzgearld	DATE 10-4-62
CONTROL PLOTTED BY (III): J. T. Gerlach	DATE 11-19-62
CONTROL CHECKED BY (III): J. B. Phillips	DATE 11-19-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): L. W. Fritz	DATE 11-10-62
STEREOSCOPIC INSTRUMENT COMPILATION (III): None — PLANIMETRY	DATE
CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. B. Phillips (T-12244, 12264), J. T. Gerlach (T-12262, 12245) B. A. Carter (T-12263). Revised 5-64 to 7-64 by L. W. Fritz	DATE November 1962 Revised: July 1964
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): *J. Battley	DATE *November 1962 ✓ January 1966

REMARKS:

*Preliminary review of shoreline details for hydro support

✓ Review of completed, vault copy manuscript

FORM C&GS-181c
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Wild RC 8 Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	* SCALE	STAGE OF TIDE
62 S 63A thru 67A	24 July 1962	1706-1708	1:40,000	.4 above MLW
62 S 70A thru 78A	24 July 1962	1715-1721	1:40,000	.4 above MLW
62 86A thru 95A	25 July 1962	1727-1736	1:40,000	.4 above MLW
62 262A thru 267A	28 July 1962	1202-1208	1:40,000	.6 above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Actual tides obtained from Tides and Currents			
SUBORDINATE STATION:			
SUBORDINATE STATION:			

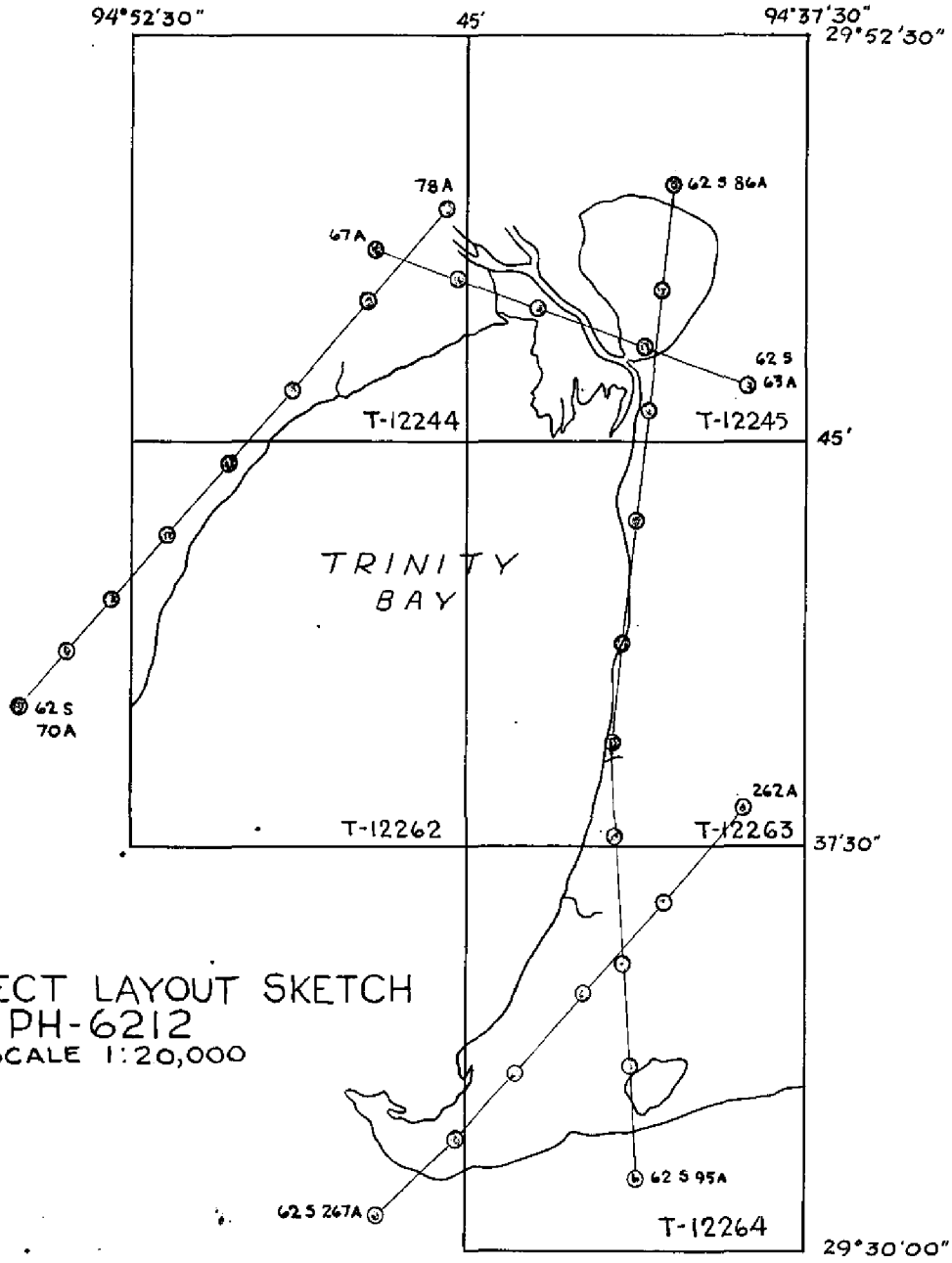
WASHINGTON OFFICE REVIEW BY (IV):		DATE:
PROOF EDIT BY (IV):		DATE:
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 18	RECOVERED: 12	IDENTIFIED: 12
NUMBER OF BM(S) SEARCHED FOR (II):	RECOVERED:	IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

*These Photographs were ratioed to 1:20,000 for hydro support and compilation.



PROJECT LAYOUT SKETCH
PH-6212
SCALE 1:20,000

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
FOR
T-12244, 12245, 12262, 12263 & 12264
JANUARY 1966

This project consists of five shoreline manuscripts compiled at a scale of 1:20,000.

The purpose of this project is to provide a base for nautical chart construction and photo-hydro support.

The area covered is Trinity Bay, Texas from Umbrella Point northeast to Anahuac Lake and then south to Stephenson Point on East Bay.

Phase one (see Office Instructions dated September 11, 1962) was completed December 3, 1962. This consisted of compiling shoreline and foreshore features only, to supply a base for photo-hydro support. These were classified Incomplete Manuscripts. In addition to the usual horizontal control and bridge points, the bridge located the positions of field identified hydrographic signal sites and supplemented these with office identified possible signal sites. These points were plotted on the incomplete manuscripts for use by the hydrographer.

Phase two consisted of completing the interior compilation of details, marsh, streams, lakes, etc. and completing the labeling of features and geographic names.

Phase two was completed in accordance with Method 3 of Photogrammetric Instructions No. 55, revised May 20, 1959.

This phase was completed on a routine basis, as maps for boat sheets and hydro-support were supplied under Phase 1.

Final review and edit was accomplished in January 1966.

A copy of these surveys will be registered in the Bureau Archives under their respective T-nos.

Submitted by:
Peter P. Battley, Jr.
J. P. Battley, Jr.

FIELD INSPECTION REPORT
MAPS T-12244, T-12245, T-12262, T-12263 and T-12264
Project PH-6212
Trinity Bay, Texas

2. Areal Field Inspection

These maps cover Trinity Bay from Umbrella Point north east to Anahuac, Texas and then south to the vicinity of Smith Point.

The land area consists primarily of sizeable stretches of marsh along the east and north shore of the bay. The west shore of the bay is fast ground, a high bluff rises to approximately 30 feet from mean high water.

The water area is shallow and can be navigated by small boats and barges only. A mud flat area extends south from the Trinity River delta and is spotted by numerous logs and shell bars. The area is frequented by small pleasure boats and shallow draft commercial fishing vessels. The catch is mainly red fish, trout, oysters and crabs.

Field inspection was confined to an area from the shoreline inland to the first state road, and is believed complete. No items were deliberately left for field edit.

Inspection notes have been made on the following 1:20,000 scale ratio prints: 24JUL 62S 065A, 072A thru 077A, 086A thru 095A, 264A, 265A and 022A.

The photography was of good quality and no difficulty was encountered in their interpretation in the field. The tones ranged from white, in the sand and/or shell areas, to gray in the marsh areas to black in areas covered by trees. Tone changes were consistent throughout the project and the different tones have been noted on the photographs.

3. Horizontal Control

All Coast & Geodetic Survey stations within the project limits were searched for. The requirements for identification of control as indicated on a special copy of the project diagram and were adequately met. A total of twelve stations were identified.

Four stations on T-12245 were not found. These are; Trinity, 1933, Jack 1932, River 1933, and Mound 1932. Two supplemental stations were located on the same sheet. The two are; Macobar Mud Co. Radio Mast, 1962 and Pump House, 1962.

4. Vertical Control

Inapplicable

5. Contours and Drainage

Contours are inapplicable.

Drainage is through short bayous and the Trinity River. The river and bayous are self-evident from the photographs. Turtle Bay on sheet T-12245 has been damed off and is now fresh water and no longer navigable. It is used as a reservoir irrigation.

6. Woodland Cover

Woodland cover was field inspected and has been noted on the photographs. Most of the woodland is pine with some elm and oak.

7. Shoreline and Alongshore Features

The shoreline was inspected by walking, by truck, and by skiff running close to the shore. The shoreline for the most part is fast land, the beaches are mud and/or shell. The river delta area is all apparent shoreline being marsh, mud flats and grass in the water.

The low water line was not inspected or located.

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

The shore ends of all submerged cables or pipe lines have been indicated on the photographs.

The intercoastal water way along the east shore of the bay can be navigated by small craft only. It has not been maintained for some time and in places is silted almost closed.

8. Off Shore Features.

The bay is covered by numerous oil wells, gas wells and gathering platforms. Several of these were located for hydrography by theodolite cuts. They are to be located by photogrammetric methods in May-June, 1963. A supplement to this report will be written after the field work has been done.

9. Landmarks and Aids

Only two landmarks for charts are recommended. They are the two municipal water tanks in Anahuac.

All fixed aids to navigation were located and labled on the photographs.

10. Boundaries, Monuments and Lines

The entire area of the project is within Chambers County Texas and no boundaries were affected.

11. Other Control

Photo-hydro stations were located along with control identification on the 1:40,000 contact prints. The hydro stations were office compiled. The hydrographer has stated that location and frequency of the signals was adequate for hydrography.

12. Other Interior Features

All roads and buildings were inspected and have been classified in accordance with Photogrammetry Instructions.

There is a small airport in the city of Anahuac. It has grass runways and is used by small aircraft.

13. Geographic Names

No changes or additions to existing geographic names are recomended.

14. Special Reports and Supplemental Data.

* A special report on the location of the offshore features will be forwarded after the field work is completed.

Field photographs and assorted data listed on letter of transmittal dated May 24, 1963.

Respectfully submitted,

James H. Blumer

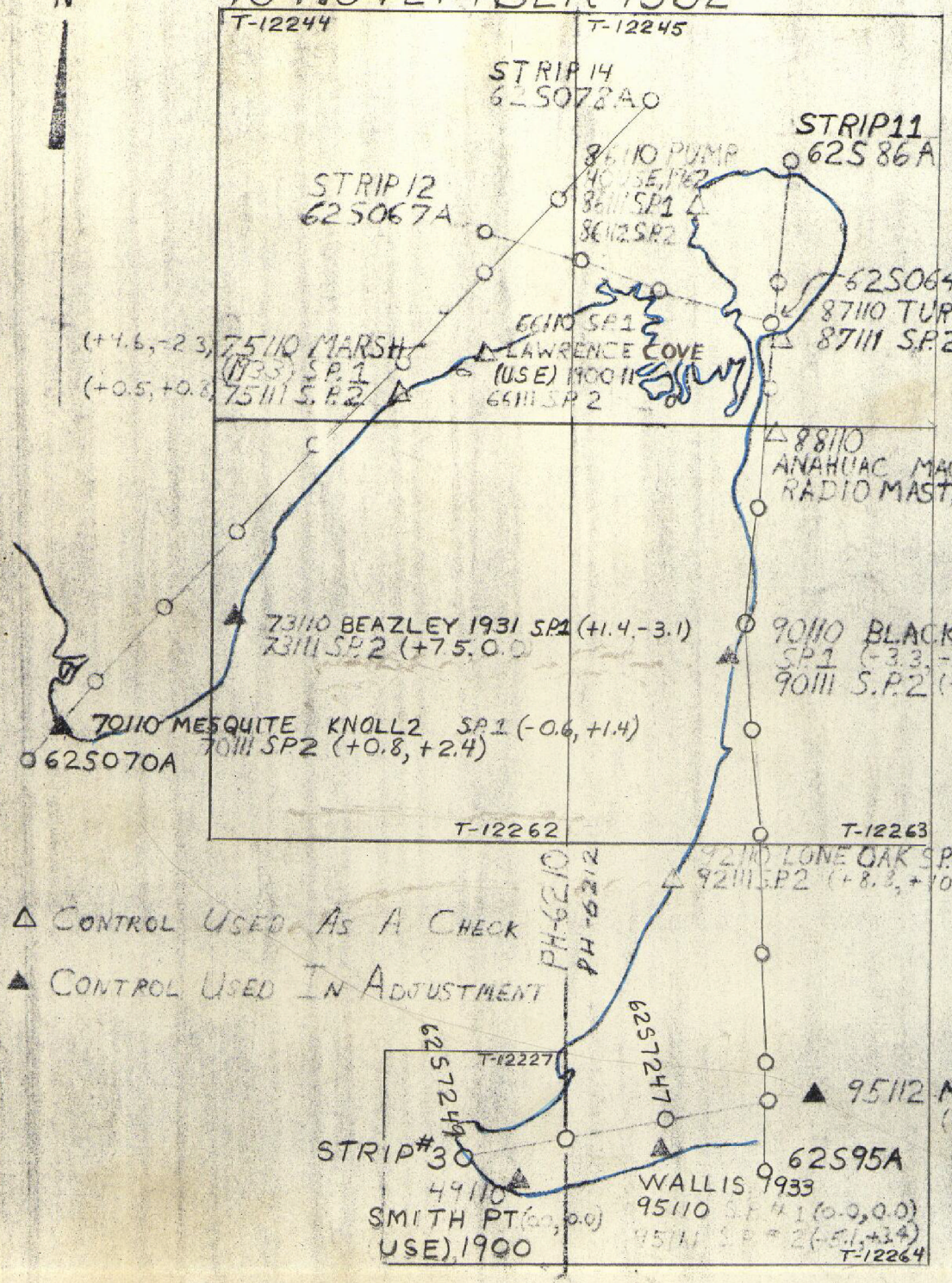
James H. Blumer
Chief, Photo Party 723

* Report was never originated.

TRINITY BAY, TEXAS

PROJECTS PH-6210 AND PH6212

10 NOVEMBER 1962



△ CONTROL USED AS A CHECK

▲ CONTROL USED IN ADJUSTMENT

TRINITY BAY, TEXAS
PROJECTS PH-6210 and PH-6212
PHOTOGRAMMETRIC PLOT REPORT
20 November 1962

21. Area Covered

This report covers the shoreline of Trinity Bay, Texas. The following shoreline surveys cover this area: At 1:20,000 scale; T-12244, 12245, 12262 thru 12264 of Project PH-6212 and T-12227 at 1:10,000 scale of Project PH-6210. Other surveys of Project PH-6210 are covered in separate reports.

22. Method

Horizontal bridging was performed on four strips, by means of the Stereoplanigraph C-5.

Strip #3 consists of 3 models, 62S 7246 thru 62S 7249. Straight line adjustment on the Clary Computer was made using 2 control stations with one sub point and 3 tie points to Strip #11 as checks.

Strip #11 consists of 9 models, 62S 86A thru 62S 95A. Adjustment on the IBM-650 was made using 4 control stations with 9 control stations and/or sub points, and 6 tie points as checks.

Strip #12 consists of 3 models, 62S 064A thru 62S 078A. Adjustment on the IBM-650 was made using 3 control stations with 5 control stations and/or sub points and 7 tie points as checks.

Strip #14 consists of 8 models, 62S 070A thru 62S 078A. Adjustment on the IBM-650 was made using 4 control stations, with 7 control stations and/or sub points and 14 tie points as checks.

23. Adequacy of Control

The horizontal control provided complied with the project instructions and was adequate. The horizontal control positions used were taken from unadjusted field data. Closures to control are shown on the appended sketch. Ties between strips are not tabulated but meet the accuracy requirements of the National Standards of Map Accuracy for 1:20,000 scale, as do the closures of the control stations.

25. Photography

Adequate as to coverage, overlap, and definition.

Submitted by:

Lawrence W. Fritz

Lawrence W. Fritz

Approved by:

Everett H. Ramey

Everett H. Ramey
Chief, Aerotriangulation Section

COMPILATION REPORT
T-12244, 12245, 12262, 12263 & 12264
JULY 1964

31. Delineation

The five manuscripts in this project were compiled by graphic methods using cronapaque ratio photographs. The area is very flat inland with marsh lakes and numerous rivers. This, along with carefully ratioed photographs, afforded an accurate delineation of details by graphic methods.

32. Control

Control is considered adequate in identification, density and placement. (See Photogrammetric Plot Report).

33. Supplemental Data

Names standards were supplied by the Geographic Names Section to verify correct geographic names.

34. Contours and Drainage

Contours inapplicable; see item 31 for comments on drainage.

35. Shoreline and Alongshore Details

The shoreline was field inspected in January-February 1963. Field inspection was adequate to compile all features. Much of the area is apparent shoreline with marsh, mud flats and grass in water.

The low water line was not field inspected.

36. Offshore Details

The bay is covered by numerous oil wells, gas wells and gathering platforms, some of which were located by theodolite cuts. These features are subject to removal or additions and are compiled as of date of photography (24 July 1962) and field inspection (February 1963).

A supplemental report on these features discussed under Items 8 and 14 of the Field Inspection Report was not received during compilation.

37. Landmarks and Aids

Two landmarks and all fixed aids recommended by the field inspector were shown on the manuscripts.

38. Control for Future Surveys

Approximately 77 hydrographic signal sites were identified by the field and positioned by the photogrammetric bridge throughout this project.

39. Junctions

(See project layout sketch). Junctions were made with all manuscripts in this project. The western limits of T-12264 were junctioned with T-12227 (Ph 6210). The western limits of T-12262 were junctioned with T-9919 and 9920.

40. Horizontal and Vertical Accuracy

The maps comply with the National Standards of Accuracy and project instructions.

41. thru 45.

None

46. Comparison with Existing Maps

Comparison was made with advance proofs of U.S.G.S. quadrangles; Anahuac, Oak Island and Cove, Texas. These maps are at a scale of 1:24,000, dated 1942, revised 1961.

47. Comparison with Existing Charts

A comparison was made with Chart 1282, published at a scale of 1:80,000.

Approved by

K. N. Maki

K. N. Maki

Submitted by

L. W. Fritz

L. W. Fritz K.N.M

48. Geographic Name List

T-12262

Pt. Barrow
Trinity Bay
Umbrella Point

T-12263

Anahuac Channel
Ash Point
Double Bayou
East Fork
Oak Island
Round Point
Trinity Bay
Trinity River Channel

T-12264

East Lake
Lake Surprise
Stephenson Point
Trinity Bay

T-12262

49.

Notes to hydrographer:

The following hydrographic signal sites were identified by the field party & located by the photogrammetric bridge.

62-1 ... White topped red brick chimney on N side of 2 story brick house with green windows

62-2 ... N'ly chimney of 2 atop a 2 story white house with dark roof

62-3 ... N'ly of 2 offshore gables on 1½ story green house, dark shingle roof

62-4 ... Offshore gable of white house

62-5 ... N'ly gable of tin shed on pier

62-6 ... Concrete pipe in headwall on high water line in ruins

62-7 ... Red brick chimney, N side of 2 story brown house, white roof

62-8 ... S. gable of small bright yellow house-white roof

62-9 ... Chimney on S. side of white roofed natural wood house

62-10 .. Offshore gable of green house with white roof

62-11 .. Small pine tree at edge of brush

62-12 .. Offshore gable of white house with green roof

62-13 .. White cross atop S. end of long grey church

62-14 .. Highest point on bright white house with white and green roof

62-15 .. Bright red chimney on N side of red roofed white house

62-16 .. N. gable tan brick house, white trim, white roof

62-17 .. Circular sand spot in marsh grass

62-18 .. N. gable of one story white house

62-19 .. N. gable of pink roofed, white house

62-20 .. N. gable of green roofed, white house

49. cont.

T-12262

62-21 .. N. gable of boathouse at end of pier

62-22 .. N. gable of long, low white house

62-23 .. Corner of groin and bulkhead at MHWL

62-24 .. Offshore gable of house at edge of treeline

62-25 .. Lone bush at waters edge on sand point

Notes to hydrographer:

The following hydrographic signal sites were identified by the field party and located by the photogrammetric bridge.

63-1 ... Center of group of vines on ground

63-2 ... Center of bush

63-3 ... Stump

63-3A .. Offshore gable, white house on stilts, blue roof

63-4 ... Two silver oil tanks

63-5 ... Oil heater

63-6 ... Offshore gable, all metal shed

63-7 ... Center of bushes

63-8 ... Center of small grass patch

63-9 ... Offshore gable, white house, dark roof

63-10 .. Offshore gable, small grey house, dark roof

63-11 .. Flat top tank, skeleton steel structure

63-12 .. Apex, white roof, white house on stilts, 2 windows in SW end, 4 windows in NW side

63-13 .. Small bush offshore of large low bushy tree

63-14 .. Point of grass offshore of two white clay and shell patches across canal from large bushy tree

63-15 .. Center of largest bushy tree in vicinity

63-16 .. Round vine at point of grass on bluff, small spot of white shell and clay to north and south

63-17 .. Small bush at point of grass in center of oval shaped shell bar, seaward side. Vegetation breaks offshore of bush

63-18 .. Chimney, north gable, old house, shingle roof

T-12263

63-19 .. Cylinder on top of most westerly oil tank

63-20 .. Offshore gable, green roof, white house

63-21 .. Chimney on north side of northerly of two houses

63-22 .. Offshore gable, all white one story house

63-23 .. Northwest corner house trailer

63-24 .. Flat top tank, skeleton steel structure

63-25 .. Point of shell at point where island begins to neck down to the north. Remains of old boat 4 m. northwest

63-26 .. Center large bushy tree, only one in vicinity of road's end

63-27 .. South gable, white house with white and green roof

63-28 .. Offshore gable, large two story white house, three windows in front

63-29 .. Center of bush between two roads, smaller bush to south

63-30 .. Cupola near east end of all metal barn

T-12264

49.

Notes to hydrographer:

The following hydrographic signal sites were identified by the field party & located by the photogrammetric bridge.

64-20 ... Small bush on knoll

64-19 ... Oil tank

64-18 ... Point of grass plot

64-17 ... Pt. of weeds

64-16 ... Pt. of grass

64-15 ... Tree

64-14 ... Center of bush

64-13 ... Center of bush

64-12 ... Center of clump of post oak trees

REVIEW REPORT
T-12244, 12245, 12262, 12263 AND 12264
JANUARY 1966

61. General Statement

(See page 1, Summary)

62. Comparison with Registered Topographic Surveys

Previous registered topographic surveys in the area of the new shoreline surveys are T-4821, T-4822 and T-4861, scale 1:20,000, dated 1933. The new maps supersede the prior surveys for nautical charting.

63. Comparison with Maps of Other Agencies

See Item 46 of the Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

Comparison was made with Survey H-8837 scale 1:20,000, dated March-May 1965. Other contemporary hydrographic surveys have been made in the area but were not received in the Washington Office at the time of review.

65. Comparison with Nautical Charts

Comparison was made with Chart 1282, scale 1:80,000, dated: 3rd edition Sept 1965

66. Adequacy of Results and Future Surveys

The five surveys in this project comply with the project instructions.

The maps comply with the National Standards of Accuracy.

Approved by:

Charles Thenn

Photogrammetric Branch

L. F. Wordeck

Chief, Photogrammetry Division

Reviewed by:

John P. Battley Jr

Cartographer

Chief, Nautical Chart Division

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-# PROJECT NO. PH - 6212 SCALE OF MAP 1 : 20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-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)
Lone Oak,1932		N.A. 1927	3,361,807.68 672,776.17	T-12264			
Lone Oak S.S.1		"	3,361,499.41 672,899.51				
Lone Oak,S.S.2		"	3,361,645.04 673,011.42				
Moody, 1932		"	3,378,879.68 648,293.54	T-12264			
Wallis,1933		"	3,361,630.11 643,264.21	T-12264			
Wallis,S.S.1		"	3,362,126.49 643,296.11				
Wallis,S.S.2		"	3,361,592.86 643,208.88				
Anahuac Magcobar Mud Co.Radio Mast,1962		"	3,368,558.22 721,071.40	T-12263			
Black Point,1932		"	3,366,413.23 696,848.68	T-12263			
Black Point S.S. 1		"	3,366,331.94 696,565.10				
Black Point S.S. 2			3,366,096.93 696,778.45				

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- PROJECT NO. PH-6212 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-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)
Beazley,1931		N.A. 1927	3,312,189.79 699,144.03	T-12262			
Beazley, S.S.1		"	3,312,452.53 699,199.85				
Beazley, S.S.2		"	3,312,571.06 699,089.13				
Marsh, 1933		"	3,328,327.30 723,762.33	↑			
Marsh, S.S.1		"	3,328,332.43 723,739.91	T-12244			
Marsh, S.S.2		"	3,328,291.38 723,810.33				
Lawrence Cove, (USE) 1900		"	3,337,758.50 728,948.45	T-12244			
Lawrence Cove S.S. 1		"	3,338,320.73 728,919.04				
Lawrence Cove S.S. 2		"	3,338,018.58 728,524.93				
Pump House,1962		"	3,360,762.09 744,364.59	T-12245			
Pump House,S.S.1	Computed off Pump House T.P.#4	"	3,360,203.90 746,584.45				
Pump House,S.S.2		"	3,360,416.82 747,045.43				

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- PROJECT NO. PH-6212 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-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)
Turtle, 1932		N.A. 1927	3,370,618.33 732,059.42	T-12245			
Turtle, T.P. 1		"	3,370,550.72 731,937.86				
Turtle, T.P. 2		"	3,370,590.54 731,527.29				
Turtle, T.P. 2 S.S. 1		"	3,370,771.95 731,573.09				
Turtle, T.P. 2 S.S. 2		"	3,370,296.94 731,526.55				
Mesquite Knoll 2, 1930		"	3,292,227.76 686,731.91	West of T-12262			
Mesquite Knoll 2 S.S. 1		"	3,291,839.30 687,040.32				
Mesquite Knoll 2 S.S. 2		"	3,292,471.47 686,191.30				
Smith Point, (USE)1900		"	3,346,429.94 639,840.44	West of T-12264 on T#12227 (PH-6210)			

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

COMM-DC-57843

23