

8950

8950

Diag. Cht. No. 1282 & 1283

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE PHOTOGRAPHIC

Field No. Ph-14(L6) Office No. T-8950

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality BIG SLOUGH TO OYSTER CUT

194 7

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party.

T. B. Reed, Baltimore Photo. Office.

LIBRARY & ARCHIVES

DATE December 19, 1951

DATA RECORD

T- 8950

Project No. (II): PH-14(46) Quadrangle Name (IV):

Field Office (II): Port Lavaca, Texas

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): (No date): Supplement 1, 22 July 1947 Copy filed in Division of
Letters dated 5 June 1947 and 29 July 1947, and Photogrammetry (IV)
4 February 1949.

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 10-19-49 Date reported to Nautical Chart Branch (IV): 10-27-49

Applied to Chart No. 887 Date: Mar. 1, 1950 Date registered (IV): 20 Nov. 1951

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): M.H.W.

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (6) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SLOUGH, 1932

Lat.: 29° 02' 36.958" (1137.8m) Long.: 95° 13' 39.730" (1074.9m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State: Texas

Zone:

South Central

Y=

X=

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.

DATA RECORD

Field Inspection by (II): Charles H. Bishop

Date: 12-5-47 to
12-16-47

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 21 November 1946
Identified on field photographs

Projection and Grids ruled by (IV): W. E. W.

Date: 2-9-49

Projection and Grids checked by (IV): W. E. W.

Date: 2-9-49

Control plotted by (III): J. Honick
M. F. Kirk

Date: 4-22-49
5-10-49

Control checked by (III): M.F. Kirk
Frank J. Tarcza

Date: 5-10-4
5-11-49

Radial Plot ~~NO SURVEYS~~
~~Control checked by (III):~~ Frank J. Tarcza

Date: 5-18-49

Planimetry
Stereoscopic Instrument compilation (III):
Contours

Date:

Date:

Manuscript delineated by (III): Judson Y. Council

Date: 7-25-1949 to
8-15-49

Photogrammetric Office Review by (III): J. W. Vonasek

Date: 10-7-49 to
10-13-49

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

Date:

Camera (kind or source) (III): U.S.C. & G.S. 9 lens focal length $8\frac{1}{4}$ "

| Number | Date | PHOTOGRAPHS (III) Time | Scale | Stage of Tide |
|----------------|----------|---------------------------|----------|----------------|
| 18385 & 18386 | 11-21-46 | 1349 | 1:10,000 | 0.2' above MHW |
| 18392 to 18395 | " | 1410 | " | 0.2' above MHW |

Tide (III)

Reference Station: Galveston, Galveston Channel
Subordinate Station: Brazosport Freeport Harbor
Subordinate Station: From Predicted Tide Tables

| Ratio of Ranges | Mean Range | Spring Range |
|--------------------|---------------|-----------------|
| 1.0 | 1.0 | 1.4 |
| 1.6 | 1.6 | 1.9 |
| | | |

Washington Office Review by (IV): Howard J. Murray

Date: Sept. 13, 1950

Final Drafting by (IV): Baltimore Office

Date:

Drafting verified for reproduction by (IV): Breene H. Stimpfle

Date: 5/5/51

Proof Edit by (IV): Stimpfle

Date: 7/25/51

Land Area (Sq. Statute Miles) (III): 9

Shoreline (More than 200 meters to opposite shore) (III): 34

Shoreline (Less than 200 meters to opposite shore) (III): 27

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2

Recovered: 2

Identified: 2

Number of BMs searched for (II):

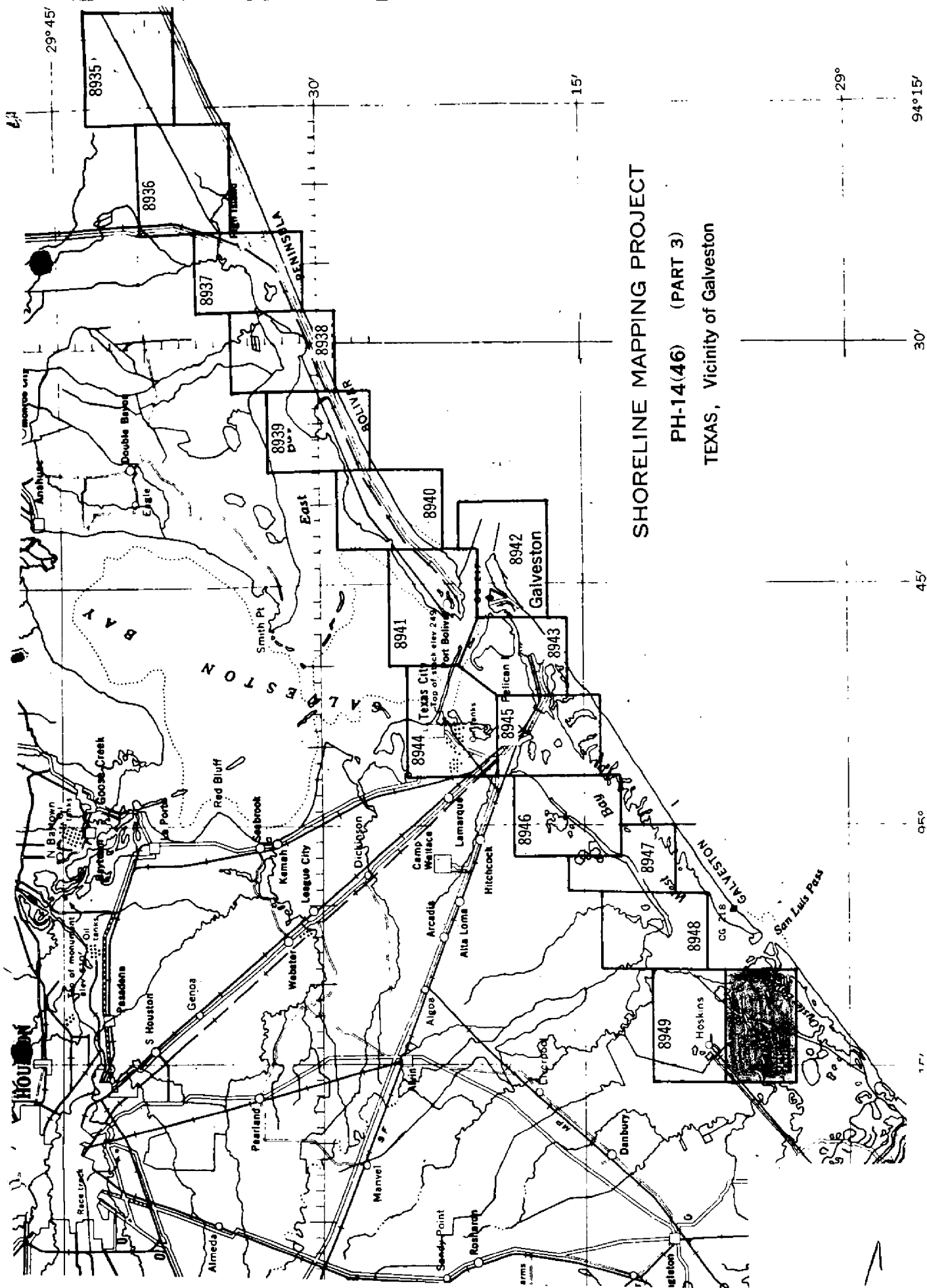
Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:



[illegible]

11 FT. - 3048006 METER
COMPUTED BY.

Кіт

DATE:

6 May 1949

CHECKED BY:

F. J. Tarcza

DATE _____

11 May 1949

M-2388-12

COMPILATION REPORT
SURVEY NO. T-8950

FIELD INSPECTION REPORT

Refer to Special Report for Project Ph-14(46), Gulf Intracoastal Waterway, Port Arthur, Texas to Cedar Lakes, Texas, submitted by Ross A. Gilmore, January 1948, and filed with the Division of Charts as Chart Letter 84(48).

PHOTOGRAMMETRIC PLOT REPORT

Refer to "Radial Plot Report, Surveys Nos. T-8945 to T-8950" submitted to the Washington Office on 22 June 1949, filed within the Descriptive Report for T. 8945.

31. DELINEATION

The delineation was accomplished by graphic methods.

32. CONTROL

Refer to the Photogrammetric Plot Report regarding distribution and adequacy of control.

33. SUPPLEMENTAL DATA

Christmas Point, Texas quadrangle, by the War Department, Corps of Engineers, U. S. Army' edition of 1947, (Geographic Name Standard).

Data from Form 250, Field Observations, Volume 5 of 5 (Sextant Fixes) were used to plot the location of Oyster Bay Channel Daybeacon No. 5.

See Item 37, Landmarks and Aids.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable

Drainage: No comment

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

The outline of the shallow areas and the approximate LWL in Christmas Bay were delineated from office interpretation of the photographs. Too approximate and not called for in project instructions. Removed during review.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

The original form 567, without positions, was submitted to the Washington Office in January 1948 by the field inspection party.

37. LANDMARKS AND AIDS (continued)

A new form 567 showing positions established by the radial plot or sextant fix is being submitted with this report.

Refer to page 24 of the field report regarding the Oyster Bay Channel Daybeacons. The check angle for the sextant fix locating Oyster Bay Channel Daybeacon No. 5 was rejected because it did not agree with the position indicated on field photograph 18395. *No check of this could be made during review since the field book*

38. CONTROL FOR FUTURE SURVEYS *containing the sextant fix angles could not be found.*

None.

39. JUNCTIONS

Junction was made to the NE with Survey T-8949, and to the SW with Survey T-9293, scale 1:20,000.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Survey No. T-8950, scale 1:10,000, has been compared with War Department, Corps of Engineers, U. S. Army, Christmas Point, Texas quadrangle, scale 1:25,000, and with Oyster Creek, Texas quadrangle, scale 1:31,680.

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-8950 has been compared with U. S. Coast and Geodetic Survey Chart No. 1283, scale 1:80,000, reprinted at Washington May 1949 and corrected to August 8, 1949. Except for Oyster Creek Cut which is now filled in, the manuscript and chart are in generally good agreement.

As of Sept. 12, 1950, the latest correction date is May 15, 1949.

Items to be applied to nautical charts immediately:

None.

Items to be carried forward

None.

Respectfully submitted
15 August 1949

Judson G. Council
Cartographic Draftsman

Approved and forwarded
October 1949

Thos B. [Signature]
Officer in Charge
Baltimore Field Office

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

**TO BE CHARTED
DO NOT REMOVE**

STRIKE OUT ONE

NONFLOATING AIDS BRANDMARKS FOR CHARTS

Baltimore, Md.

12 August

67

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks, be charted on ~~(General Chart)~~ the charts indicated.

The positions given have been checked after listing by ~~Joseph H. Vorašek~~

Thos. B. Reed

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

48. GEOGRAPHIC NAMES

T - 8950

- ✓ • Arcadia Reef
- ✓ • Big Slough
- ✓ • Cedar Cut
- ✓ • Christmas Bay (on B.G.N. docket list #199, Sept. 1950: will probably be approved.)
- ✓ • Drum Pt (position o.k. on manuscript)
- ✓ • Follets Island
- ✓ • Gulf of Mexico
- ✓ • Intracoastal Waterway
- ✓ • Nicks Cut
- ✓ • Nicks Lake
- Old Intracoastal Waterway ~~delete.~~
- ✓ • Oyster ~~Creek~~ Cut (use Oyster Cut)
- ✓ • Rattlesnake Pt
- ✓ • ~~Drum~~ Rum Bay
- ✓ • Salt Lake
- ✓ • Slop Bowl
- ✓ • Wolf Lake

* Marked "Pending with U.S.B.G.N."

Names preceded by •
are approved 9-6-50.
L. Heck.

Review Report T-8950
Shoreline Survey
13 September 1950

61. General Statement.-Shoreline survey T-8950 at 1:10,000 scale is one of 76 maps comprising the four parts of project Ph-14(46) covering the Intracoastal Waterway from Houma, Louisiana to Port Aransas, Texas. Part III of Ph-14 extends from Port Arthur, Texas, to Freeport, Texas, and consists of 16 maps. T-8950 is one of these.

62. Comparison with Registered Topographic Surveys.-

| | | |
|--------|---------|----------|
| T-375 | 1852 | 1:20,000 |
| T-4866 | 1933-34 | 1:20,000 |

The above surveys are superseded by T-8950 for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

| | | |
|------------------------|----------------|----------|
| Oyster Creek, Texas | 1942, 43 (USE) | 1:31,680 |
| Christmas Point, Texas | 1942, 43 (USE) | 1:31,680 |

64. Comparison with Contemporary Hydrographic Surveys.- None

65. Comparison with Nautical Charts.-

| | | |
|------|---|----------|
| 1282 | (Latest correction date, March 6, 1950) | 1:80,000 |
| 1283 | (Latest correction date, May 2, 1949) | 1:80,000 |

The name Oyster Bay has been changed to Christmas Bay on the map manuscript. This change is pending (see Geographic Name List) and in all probability will be corroborated during September, 1950.

Cedar Cut has been at least partially filled in and no longer affords a navigable connection between Christmas Bay and the Gulf of Mexico.

66. Adequacy of Results and Future Surveys.-Field inspection was adequate in the immediate vicinity of the Intracoastal Waterway. T-8950 complies with project instructions and the National Standards of Accuracy.

67. Control.-Triangulation station Clute 1933 was not held in the radial plot. USC&GS Descriptions of Triangulation Stations No. 871 tends to confirm that the position of the station is nearer to the center of the small peninsula. It is possible that the field position as shown on photograph 18393 is in error.

The position of triangulation station Shell 1912 was plotted on the manuscript during review. Its old geographic position was

converted to 1927 datum by adding algebraically to Shell's old geographic position the averages of the datum corrections of two adjacent stations. The new position is correct at least within 0.2 meters and thus well beyond the plotting accuracy at 1:10,000 scale.

Triangulation station Red Bluff (USE) 1927 falls within the limits of this manuscript. Although its geographic position is not immediately available, it can be obtained from the Division of Geodesy.

Reviewed by:

Howard J. Murray
Howard J. Murray

Approved

S. V. Griffith
Chief, Review Section HRB - 11/29/51
Div. of Photogrammetry

H. Edmundson
Chief, Nautical Chart Branch
Div. of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8950

1. Projection and grids juv2. Title juv3. Manuscript numbers juv4. Manuscript size juv

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy juv

6. Recoverable horizontal stations of less

than third-order accuracy (topographic stations) juv7. Photo hydro stations juv8. Bench marks juv9. Plotting of sextant fixes juv10. Photogrammetric plot report juv11. Detail points juv

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline juv13. Low-water line juv14. Rocks, shoals, etc. juv15. Bridges juv

16. Aids

to navigation juv17. Landmarks juv18. Other alongshore physical features juv

19. Other along-

shore cultural features juv

PHYSICAL FEATURES

20. Water features juv21. Natural ground cover juv22. Planetable contours juv

23. Stereoscopic

instrument contours juv24. Contours in general juv25. Spot elevations juv

26. Other physical

features juv

CULTURAL FEATURES

27. Roads juv28. Buildings juv29. Railroads juv30. Other cultural features juv

BOUNDARIES

31. Boundary lines juv32. Public land lines juv

MISCELLANEOUS

33. Geographic names juv34. Junctions juv35. Legibility of the manuscript juv

36. Discrepancy

overlay juv37. Descriptive Report juv38. Field inspection photographs juv39. Forms juv40. Joseph W. Vorensch

Reviewer

Joseph H. Steinberg

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler_____
Supervisor

43. Remarks:

M-2523-12

50.

REMARKS

15, 27, 29, 30. None of these features exist in the area.

Joseph W. Vreack
Reviewer

NAUTICAL CHARTS BRANCH

SURVEY NO. 8950

Record of Application to Charts.

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.