8947

Diag. Cht. No. 1282

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PHOTOGRAMMETRIC-SHORELINE

Field No. Ph-14(46) *Office No.* T-8947

LOCALITY

State TEXAS

General locality GULF INTRACOASTAL WATERWAY

Locality CARANCAHUA POINT

194 7

CHIEF OF PARTY

R. A. Gilmore, Chief of Field Party.

T. R. Reed, Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE February 12, 1952

8-1870-1 (1)

T-8947

CS 88

DATA RECORD

T - 8947

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
Letters dated 5 June 1947 and 29 July 1947, and
4 February 1949
Copy filed in Division of Photogrammetry (IV)

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): 7-25-49 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 12 Dec. 1951

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): KARANKA, 1933

Lat.: 29° 14' 17.247" (531.0m) Long.: 95° 01' 09.357" (252.7m) Adjusted ~~Unadjusted~~

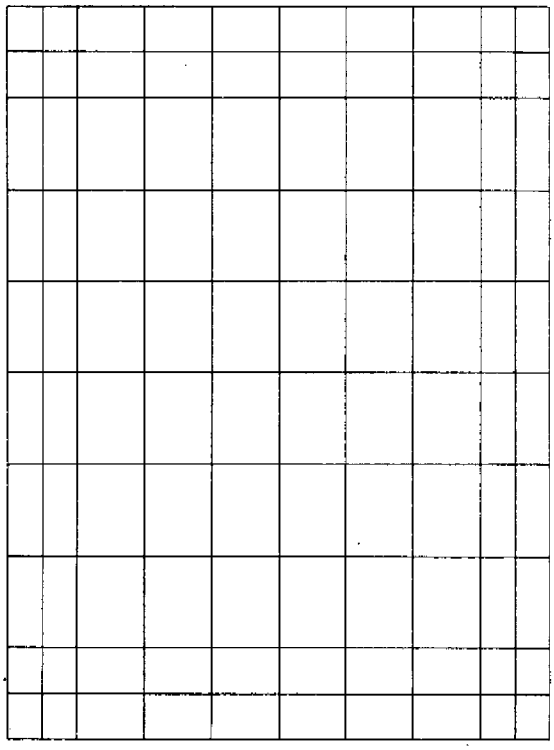
Plane Coordinates (IV): State: Texas Zone: S. Central

Y= 532,369.80 X= 3,269,244.91 (p. 40)

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.

M-2618-12(4)



Areas contoured by various personnel
(Show name within area)
(II) (III)

SHORELINE

Camera (kind or source) (III): U.S.C.& G.S. Nine lens camera, focal length 8¼"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18405	11-21-46	1424	1:10,000	0.1' above MLW
18406	11-21-46	1425	"	0.1' " "

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
1.0	1.0	1.4
0.7	0.7	0.9

Reference Station: Galveston
Subordinate Station: Carancahua Reef, West Bay
Subordinate Station:

Washington Office Review by (IV): Lina T. Stevens Date: 14 Sept. 1950

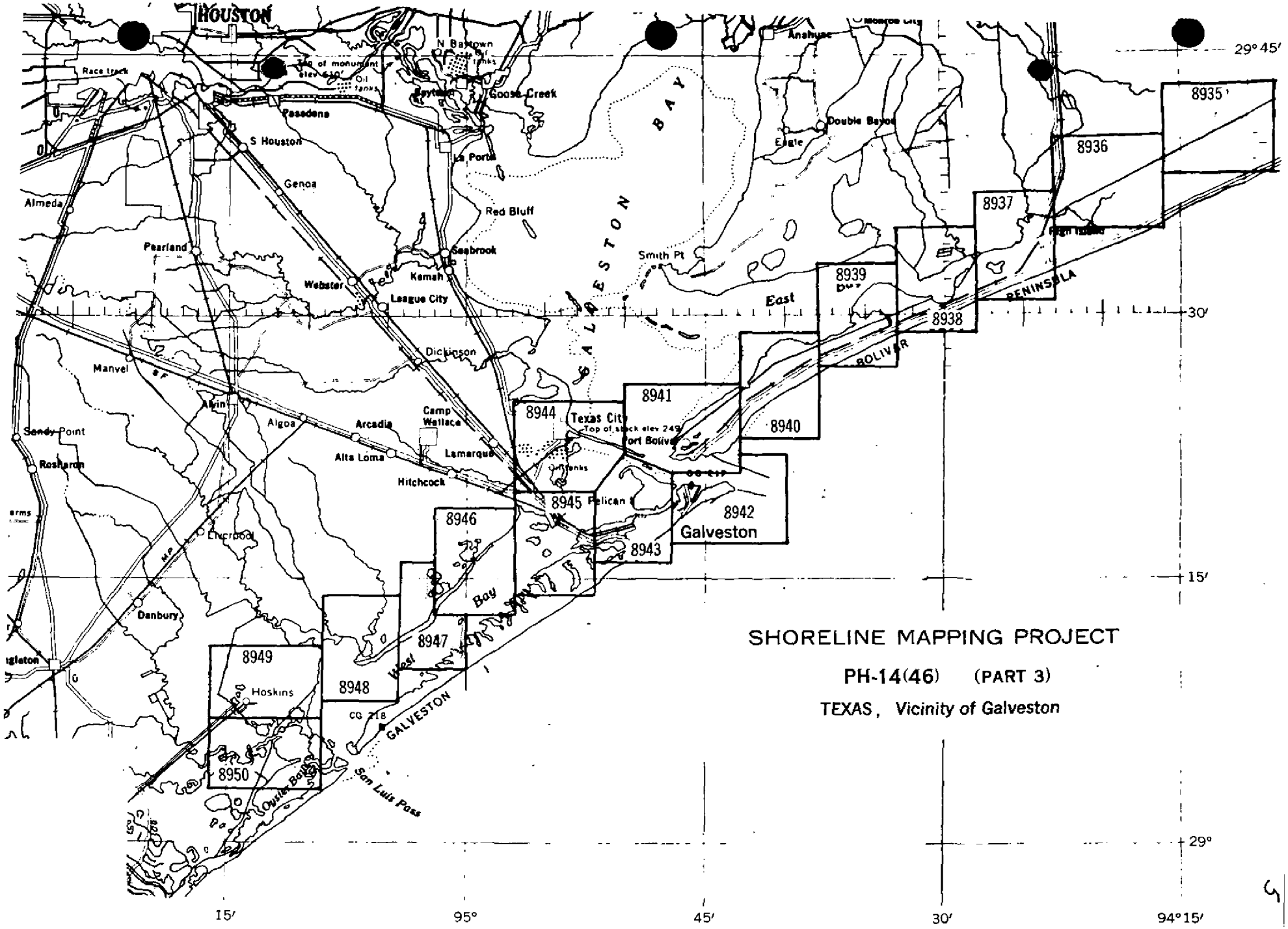
Final Drafting by (IV): Baltimore Office Date:

Drafting verified for reproduction by (IV): Breene K Stiefel Date: 5/10/51

Proof Edit by (IV): K Stiefel Date: 6/25/51

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 5
Shoreline (Less than 200 meters to opposite shore) (III): 8
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 6 Recovered: 3 Identified: 3
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:



SHORELINE MAPPING PROJECT

PH-14(46) (PART 3)

TEXAS, *Vicinity of Galveston*

Summary to Accompany T-8947

Shoreline survey T-8947, scale 1:10,000, (Lat. 29°10' to 16', Long. 95°00' to 95°04') is one of 76 maps in project Ph-14(46), Intracoastal Waterway, which consists of four parts. This project was planned to furnish data for a new series of Inland Waterway charts at 1:40,000 scale.

T-8947 is one of the Part III group which consists of 16 maps (T-8935 to T-8950, inclusive), vicinity of Galveston.

FIELD REPORT T-8947

For field data covering this area, refer to "Special Report, PH-11(46), Intracoastal Waterway, Port Arthur, Texas, to Cedar Lake, Texas", submitted by Ross A. Gilmore, dated January 1948.

Chart Letter No. 84(1948). Filed in Nautical Charts Branch, Division of Charts.

MAP T-8947 PROJECT NO. PH-14(46) SCALE OF MAP 1:10,000 SCALE FACTOR none

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)
1933 WEST BAY, BN.No.37	G-2122 Pg. 39	N.A. 1927	29 12 19.870 95 00 54.897			611.7 1235.5 1483.0 137.8	
WEST BAY BEACON NO. 33, 1933 *	" "	"	29 12 59.496 94 59 59.864			1831.8 15.4 1616.9 3.7	
KARANKA, 1933	G-2122 P. 29	"	29 14 17.247 95 01 09.357			531.0 1316.3 252.7 1367.6	
WEST BAY, beacon No.2,1933 **	G-2122 Pg.38	"	29 12 59.648 95 00 02.348			1836.4 10.8 63.4 1557.2	
WEST BAY, beacon No.4,1933	G-2122 Pg.40	"	29 12 38.892 95 00 30.834			1197.4 649.9 832.9 787.8	

*This station listed & computed by M.F.Kirk 9 May 1949.

** These stations computed by G. B. Willey and checked by S.G.Blankenbaker on 31 March 1950

1 FT.=.3048006 METER

COMPUTED BY: J.H.Honick DATE 4-8-48

CHECKED BY: Wm.J.Hughes DATE 4/11/49

M-2388-12

COMPILATION REPORT, T - 8947

PHOTOGRAMMETRIC PLOT REPORT - Refer to "Radial Plot Report, Surveys Nos. T-8945 to T-8950" submitted to the Washington office on 22 June 1949.
Bound with Descriptive Report T-8945.

31. DELINEATION

The delineation of Survey No. T-8947 manuscript was accomplished by graphic methods. Features on the SE shore of West Bay were not delineated due to lack of photographic coverage.

32. CONTROL

Refer to the photogrammetric plot report regarding distribution and adequacy of control.

33. SUPPLEMENTAL DATA

Kanankawa quadrangle, compiled by the War Department, Corps of Engineers, U. S. Army edition of 1943 (Geographic Names Standard)

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The outline of the shallow areas was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No comment

37. LANDMARKS AND AIDS

Refer to forms 567 submitted with this reportand with the field report.

38. CONTROL FOR FUTURE SURVEYS

Two forms 524 were submitted for Survey T-8947. See 49, following.

39. JUNCTIONS

Junctions were made to the NE with Survey T-8946 and with Survey T-8948 to the SW and are in good agreement. There are no contemporary surveys to the north or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

46. COMPARISON WITH EXISTING MAPS

Survey T-8947 has been compared with War Department Corps of Engineers U. S. Army Karankawa Lake Quadrangle, scale 1:25,000, edition of 1943. Survey T-8947 has been compared with Survey No. T-4852(1933) of this Bureau.

47. COMPARISON WITH NAUTICAL CHARTS

Survey T-8947 has been compared with U. S. Coast and Geodetic Survey Chart No. 1282, scale 1:80,000, published at Washington, D. C. Feb. 1945 (16th edition) and corrected to April 11, 1949.

Items to be applied to Nautical Charts Immediately:

None.

Items to be carried forward:

"Pipe" in West Bay at Lat. 29° 11!5 ; long. 95°02'.
" " " " " " 13.1' " " 00.4'

Respectfully submitted
5 July 1949

Judson Comucel
Cartographic Draftsman

Approved and forwarded
28 July 1949

Officer in Charge
Baltimore Photogrammetric
Office

T-8947

West Bay Channel Daybeacons No. 2 and No. 4 were listed on Form 567 as being located by radial plot. The positions agree with the positions of triangulation stations West Bay, beacon No. 2 and beacon No. 4, 1933. As there is no record of these daybeacons having been moved since 1933, their triangulation positions were plotted on the manuscript, the positions added to form M-2388-12, and the method of location as shown on form 567 was changed to "Triangulation". The Nautical Chart Branch has been notified of this change.

L. C. Lande

L. C. Lande, Chief
Graphic Compilation Section
Division of Photogrammetry

31 March 1950

49. NOTES FOR THE HYDROGRAPHER

The following are the two recoverable photo stations established on this survey:

MON. 523 (USE) 1947
MON. 532 (USE) 1947

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-8947

1. Projection and grids JWW 2. Title JWW 3. Manuscript numbers JWW 4. Manuscript size JWW

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy JWW 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JWW 7. ~~Photo-hydro stations~~ ____ 8. Bench marks JWW
9. Plotting of sextant fixes JWW 10. Photogrammetric plot report JWW 11. Detail points JWW

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JWW 13. Low-water line JWW 14. Rocks, shoals, etc. JWW 15. Bridges JWW 16. Aids to navigation JWW 17. Landmarks JWW 18. Other alongshore physical features JWW 19. Other alongshore cultural features JWW

PHYSICAL FEATURES

20. Water features JWW 21. Natural ground cover JWW 22. ~~Planetable contours~~ ____ 23. ~~Stereoscopic instrument contours~~ ____ 24. ~~Contours in general~~ ____ 25. ~~Spot elevations~~ ____ 26. Other physical features JWW

CULTURAL FEATURES

27. Roads JWW 28. Buildings JWW 29. Railroads JWW 30. Other cultural features JWW

BOUNDARIES

31. ~~Boundary lines~~ ____ 32. ~~Public land lines~~ ____

MISCELLANEOUS

33. Geographic names JWW 34. Junctions JWW 35. Legibility of the manuscript JWW 36. ~~Discrepancy overlay~~ ____ 37. Descriptive Report JWW 38. Field inspection photographs JWW 39. Forms JWW.
40. Joseph W Vobanek (Reviewer) Joseph 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-2661-12

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ STRIKE OUT ONE

Baltimore, Maryland 14 July 1949

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

The positions given have been checked after listing by Joseph W. Vonasek
Joseph W. Vonasek

Thos. B. Reed
Chief of Party.

STATE

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION: LATITUDE ° '	LATITUDE D. M. METERS	LONGITUDE ° '	LONGITUDE D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	COASTAL WATERWAY CONTINUATION	CHARTS AFFECTED
DAYBEACON 2	WEST BAY CHANNEL see Review Report, 6	887 Engle 886 Helmen	29 12	1836 ✓	95 00	63 ✓	N.A. 1927	~~Rad. Plot~~ Triangulation 1933	1947		x	x	886, 887 1282
" 4	" " "	887 Engle 886 Helmen	29 12	1197 ✓	95 00	833 ✓	"	"	"		x	x	886, 887 1282

L.C.L. 3/31/50

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 NAME LIST

- Big Marsh
- Carancahua Bayou
- Carancahua Point
- Carancahua Reef
- Carancahua Lake
- Intracoastal Waterway
- West Bay
- Texas

Carancahua is the form approved by the most recent U.S.B.G.N. decisions.

Names preceded by • are approved. 9-14-50 L. Heck

Review Report T-8947
Shoreline Survey
14 September 1950

62. Comparison with Registered Topographic Surveys.-

T-328	1:20,000	1851
T-374	"	1851
T-4852	"	1933

63. Comparison with Maps of Other Agencies.-

USE Karankawa Lake, Texas 1:25,000 1949
(1942 photos)
(Note: This edition is the same as the 1943 edition, except for marginal data revision and the addition of the Universal Mercator Grid).

64. Comparison with Contemporary Hydrographic Surveys.-None

65. Comparison with Nautical Charts.-

1282 1:80,000 Ed. Feb. 1945, rev. Mar. 1950

Though West Bay Channel Daybeacons Nos. 2, 4, 33 and 39 appear on T-8947 (Oct. 1947) as lights, they are now charted as "piles", in compliance with the Hydrographic Office Notes to Mariners No. 36, 1949 and entered on the Standard Aug. 31, 1949. A "pipe" charted at 29°11½'/95°02' is not delineated on T-8947.

Changes made during review:

1. The inland detail has been extended inland a short distance in order to include the eastern shoreline of Caranoahua Lake.
2. The fast land area south of Caranoahua Point has been enlarged.

66. Accuracy.-(Refer to page three of the Radial Plot Report which is bound with Descriptive Report T-8945).

The map is adequate for charting purposes.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED

S. V. Griffith
Chief, Review Section B 12-14-51
Div. of Photogrammetry

H. C. Edmunston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

H. A. Otterlund
Chief, Div. of Coastal Surveys
12/14

5

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8947

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/24/50	886	Helmer	Before ~~After~~ Verification and Review
6-27-50	887	D.R. Engle	~~Before~~ After Verification and Review Removed Sept. 1950
6/16/52	886	JP Walby	~~Before~~ After Verification and Review Completely applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.