8930

Diag. Cht. No. 1116-2 & 1279.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. Project No. PH-14(46) Office No. T-8930

LOCALITY

State Louisiana & Texas

General locality Gulf Coast Intracoastal Waterway

Locality Port Arthur Canal

1947

CHIEF OF PARTY

Ross A. Gilmore, Chief of Field Party
Thos. B. Reed, Baltimore Photo. Office

LIBRARY & ARCHIVES

DATE June 25, 1951

8930

B-1870-1 (1)

DATA RECORD

T - 8930

Project No. (II): PH-14(46)

Quadrangle Name (IV):

Field Office (II): Morgan City, La.

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): PH-14(46)(Not dated)

Copy filed in Division of Photogrammetry (IV) office Files

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): 5-6-49

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 13 April, 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): SABINE PASS SW BASE, 1874

Lat.: 29° 43' 09.799" (301.7m)

Long.: 93° 54' 13.980"(375.7m)

Adjusted

Plane Coordinates (IV):

State: Louisiana

Zone: South

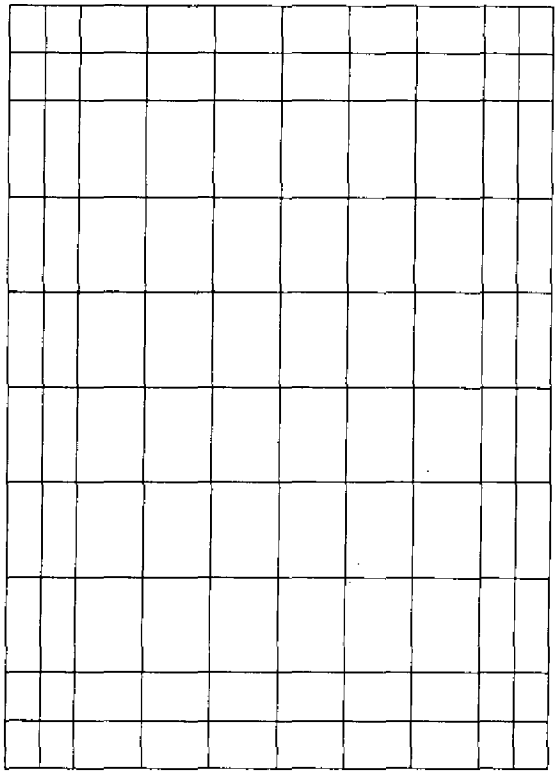
Y= 391,968.40

X= 1,184,101.84

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 Map

DATA RECORD

Field Inspection by (II): J.S.Howell — Date: 9-13-47 to 9-25-47

Planetable contouring by (II): ——— — Date:

Completion Surveys by (II): ——— — Date:

Mean High Water Location (III) (State date and method of location):
Same date as photographs

Projection and Grids ruled by (IV): W.E.W. — Date: 9-17-48

Projection and Grids checked by (IV): W.E.W. — Date: 9-17-48

Control plotted by (III): J.C.Richter — Date: 9-29-48

Control checked by (III): M.F.Kirk — Date: 9-29-48

Radial Plot or ~~Stereoscopic~~ ~~Control extension~~ by (III): H.R.Rudolph, F.J.Tarcza — Date: 10-1948 & 1-1949

Stereoscopic Instrument compilation (III):
Planimetry ——— — Date:
Contours ——— — Date:

Manuscript delineated by (III): W.J.Hughes — Date: 3-3-49 to 3-10-49, 3-23-49 to 4-14-49

Photogrammetric Office Review by (III): J.W.Vonasek — Date: 4-26-49 to 5-2-49

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

Camera (kind or source) (III): U.S.COAST AND GEODETIC SURVEY single lens type "C" camera, focal length 6"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
47-C-1120 to 47-C-1122	3-25-47	1345	1:10,000	0.6 ft. above MLW

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
1.0	1.3	1.6
1.1	1.4	2.2

Reference Station: Key West, Fla.
Subordinate Station: Sabine Pass, Lt.
Subordinate Station:

Washington Office Review by (IV): L. T. Stevens — Date: 12 Dec. 1949

Final Drafting by (IV): S. Dean — Date: 6-28-1950

Drafting verified for reproduction by (IV): W.O. Hellein — Date: 6-28-1950

Proof Edit by (IV): — Date:

Land Area (Sq. Statute Miles) (III): 4
Shoreline (More than 200 meters to opposite shore) (III): 13.8
Shoreline (Less than 200 meters to opposite shore) (III): 9
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 2 Recovered: 1 Identified: 1
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

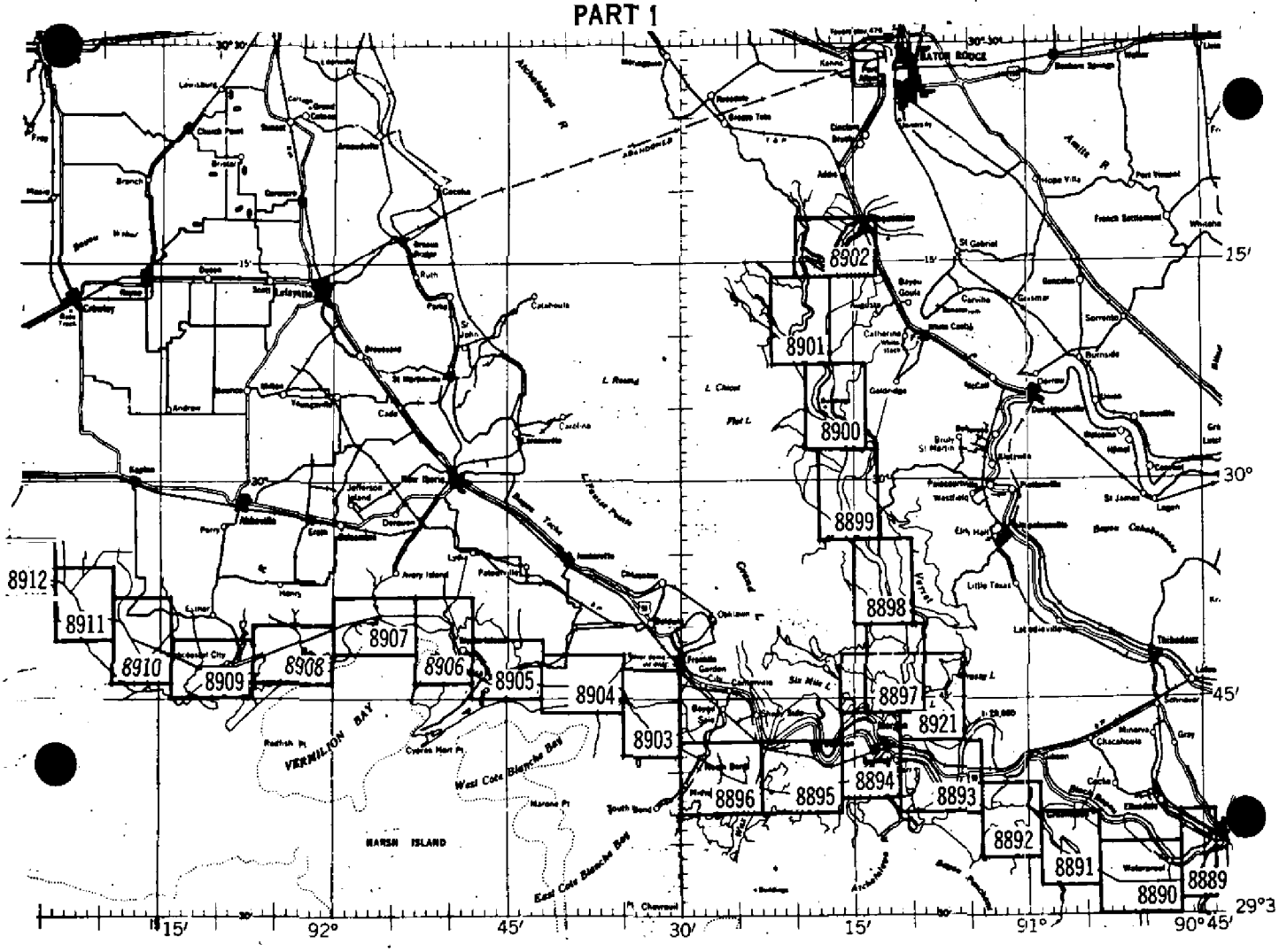
Remarks: There were no U.S.Coast and Geodetic Survey marked control stations recovered within the area of this survey. Therefore a marked station located in the area of Survey No. T-8931 to the south has been used as a reference station.

M-2618-12(4)

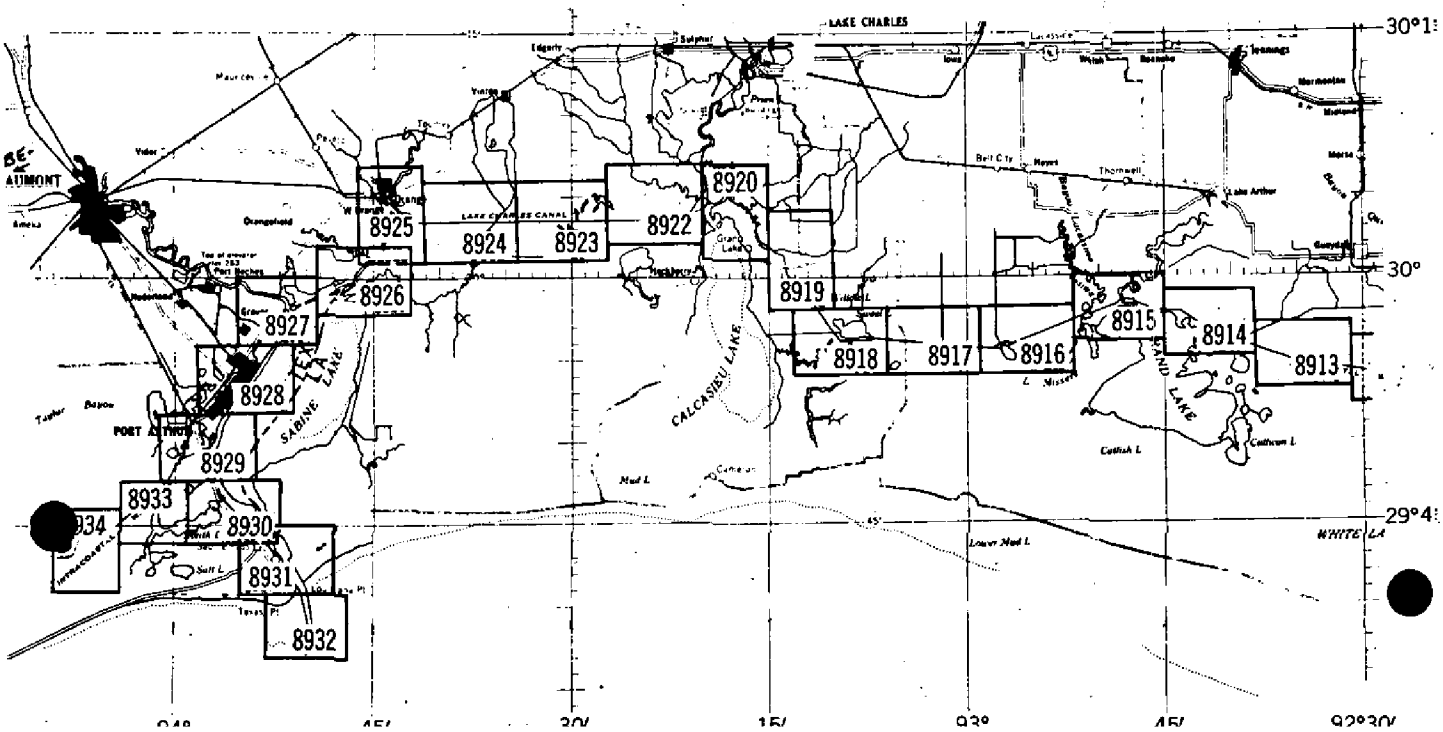
SHORELINE MAPPING PROJECT PH-14(46)

LOUISIANA - TEXAS, Intracoastal Waterway Houma – Port Arthur

PART 1



PART 2



Summary to Accompany T-8930

Shoreline survey T-8930, scale 1:10,000 (Lat. 29°~~41'~~ 45' to 48'; Long. 93°52' to 59') is one of 76 maps in Project Ph-14(46) which consists of four parts.

T-8930 is one of the Part II group.

Data pertaining to T-8930 are filed as follows:

A. Division of Photogrammetry General Files:

1. Reviewed acetate manuscript
2. Radial Plot Report
3. Field Inspection photographs

B. Bureau Archives:

1. Registered lithographic print of the reviewed manuscript at compilation scale.
2. Registered Descriptive Report.

FIELD REPORT

SHORELINE MANUSCRIPT

PROJECT PH-14(46)
Survey No. T-8930

For field data covering Survey No. T-8930 refer to the field report "Gulf Intracoastal Waterway, L 81(1948) Vermilion Bay, La. to Port Arthur, Texas," submitted by Ross A. Gilmore, dated October 1947, filed in the Nautical Chart Branch.

RECOVERABLE TOPOGRAPHIC STATIONS

MAP T- 8930 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)
PORT ARTHUR CANAL RANGE C REAR LT., 1947	Topo Sheet "B"	N.A. 1927 Field	29 46				811.4	1036.0		
			93 56				943.9	667.8		
PORT ARTHUR CANAL RANGE C FRONT LT. 1947	"	"	29 46				1450.3	397.1		
			93 56				1143.9	467.8		
PORT ARTHUR CANAL LT. 1, 1947	"	"	29 46				919.9	927.5		
			93 56				729.4	882.4		
PORT ARTHUR CANAL RANGE B REAR LT. 1947	"	"	29 46				811.4	1036.0		
			93 56				943.9	667.8		
PORT ARTHUR CANAL RANGE B FRONT LT. 1947	"	"	29 46				571.2	1276.2		
			93 56				314.8	1297.1		
PORT ARTHUR CANAL RANGE A REAR LT.,1947	"	"	29 45				717.3	1130.1		
			93 53				694.0	918.0		
PORT ARTHUR CANAL RANGE A FRONT LT.1947	"	"	29 45				966.4	881.0		
			93 53				1353.1	259.0		
SABINE PASS CHANNEL LT.3,1947	"	"	29 45				343.3	1504.1		
			93 53				1297.3	314.8		

1 FT. = .3048006 METER

COMPUTED BY: M.F.Kirk DATE 10 Aug.1948 CHECKED BY: F.J.Tarcza DATE 13 August 1948

M-2388-12

MAP T- 8930 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)
KEITH (USE)1909	G-1584 Pg. 25	N.A. 1927	29 46 33.877				1043.1	804.3		
			93 56 35.542				954.7	657.0		
PAT GLENNONS BAYOU, 1874	G-1584 Pg. 25	"	29 46 06.172				190.0	1657.4		
			93 53 00.971				26.1	1585.7		
SUB. STA. KEITH	Comp.	"	29 46				1027.1	820.3		
			93 56				968.2	643.5		

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: M.F.Kirk DATE 10 Aug.1948 CHECKED BY: F.J.Tarcza DATE 13 Aug. 1948

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, Md. April 14, 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 J.S. / Joseph W. Vonasek

Thos. B. Reed, *Chief of Party.*

STATE LOUISIANA-TEXAS

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	OFFSHORE CHART	CHARTS AFFECTED
	Sabine Pass Channel Buoy 40		29 45	249	93 53	967	N.A. 1927	Plane-table	1947	x			517

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.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8930

NONFLOATING AIDS OR ~~LANDMARKS~~ FOR CHARTS

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

Baltimore, Md. April 14, 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 J.S.
Joseph W. Vonasek

Thos. B. Reed
Thos. B. Reed *Chief of Party.*

STATE LOUISIANA-TEXAS

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	OFFSHORE CHART	CHARTS AFFECTED
	Port Arthur Canal Range A Front Lt.		29 45	966	93 53	1343	N.A. 1927	Rad. Plot T-8930	1947	x	x		517 1279
	Port Arthur Canal Range A Rear Lt.		29 45	719	93 53	700	"	"	"	x	x		"
	Port Arthur Canal Range B Front Lt.		29 46	571	93 56	308	"	"	"	x	x		"
	Port Arthur Canal Range B Rear Lt. *		29 46	812	93 56	937	"	"	"	x	x		"
	Port Arthur Canal Range C Front Lt.		29 46	1464	93 56	1139	"	"	"	x	x		"
	Port Arthur Canal Range C Rear Lt. *		29 46	812	93 56	937	"	"	"	x	x		"
	Port Arthur Canal Lt. 1		29 46	924	93 56	712	"	"	"	x	x		"
	Sabine Pass Lt. 3		29 45	329	93 53	1290	"	"	"	x	x		"

*These two lights are on same structure

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.

COMPILATION REPORT

SHORELINE MANUSCRIPT

PROJECT PH-14(46)
Survey No. T-8930

This manuscript is one of a series of surveys in Project No. PH-14(46) covering a narrow strip of land along the Gulf Intracoastal Waterway from Houma, La. to Corpus Christi Bay, Texas. This project was undertaken to furnish the necessary data to prepare a new series of inland charts at 1:40,000 scale.

26. CONTROL

A list of stations on the manuscript is included in this report on Form No. M-2388-12.

27. RADIAL PLOT

The radial plot for this survey was made in the Baltimore Compilation Office. Refer to the radial plot report covering Surveys Nos. T-8929 to T-8932 inclusive, submitted to the Washington Office on 1 March 1949.
Filed in Div. Photogrammetry General Files

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947. Keith Lake and Blue Buck Point were not completely delineated due to lack of photograph coverage.
Filed in Div. Photogrammetry Office Files.

29. SUPPLEMENTAL DATA

Graphic Control Survey No. 7041b. See paragraph 34 of this report.

30. MEAN HIGH-WATER LINE

Due to the small amount of tide the MHWL and MLWL for practical purposes are considered to be one and the same.

There was no field identification of the MHWL and the apparent shoreline in the area of this survey. These were delineated after careful stereoscopic examination of the photographs.

31. LOW-WATER AND SHOAL LINES

See Mean High-Water Line.

32. DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE

Delineated in accordance with field identification.

33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

One floating and eight nonfloating aids to navigation were plotted on the map manuscript. All the above aids were located by planetable in 1947 (Graphic Control Survey No. 7041b). The eight non-floating aids were also identified on the photographs by the field party.

The radially plotted positions of the eight nonfloating aids were found to be in disagreement with the planetable positions. The planetable positions are shown on the manuscript with 2½ mm black acid ink circles; the radially plotted positions are shown with 6 mm translucent ink circles. See Review Report, 6L

The position of the floating aid was transferred from the planetable sheet to the manuscript by use of the vertical projector matching common control stations, and is shown on the manuscript with a 2½ mm black acid ink circle. N40 REF

The position of floating and nonfloating aids are being reported on Form 567 submitted with this report.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

37. JUNCTIONS

This survey is bounded by Survey T-8929 to the north and Survey T-8931 to the south. Junctions with these surveys were found to be good. There are no contemporary surveys to the east or to the west.

38. GEOGRAPHIC NAMES

The geographic names were taken from Port Arthur South, Texas-Louisiana, scale 1:31,680, Army Map Service 1943, furnished by the Washington Office, as a final name standard.

See list of approved geographic names included in this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This survey was compared with U. S. Army Map Service, Port Arthur South, Tex.-La. quadrangle, scale 1:31,680,1943, by use of the vertical projector. They were found to be in good agreement with the exception of of the area in the vicinity of Pat Glennon Bayou. In this area the MHWL and apparent shoreline have been changed due to dredging operation.

45. COMPARISON WITH NAUTICAL CHARTS

This sheet was compared visually with Charts Nos. 517, scale 1:40,000, and 1279 scale 1:80,000, and was found to be in fair agreement except for

45. COMPARISON WITH NAUTICAL CHARTS (Continued)

the area in the vicinity of Pat Glennon Bayou. The charts fail to show any inlets which are shown on the manuscript.

The following topographic information shown on T-8930 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of MHW are not shown on this manuscript but are believed to still exist and should be carried forward on the chart:

None.

Minor differences in cultural and shoreline details need no special discussion.

Respectfully submitted
14 April 1949

William J Hughes
Cartographic Aid

Joseph W. Vonasek
Cartographer
Photogrammetric Office Review

Harry R. Rudolph
Supervisor

Approved and forwarded
13 May 1949

Officer in Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

T - 8930

Blue Buck Point •

Keith Lake •
Keith Lake Gully •

Lost Lake •

Mesquite Point •

Pat Glennon Bayou •
Port Arthur Canal •

Round Lake •

Sabine Lake •
Sabine Pass •

Texas* •

* = Decis. BGN
• = Approved name

12-8-49
a.j.W.

Review Report T-8930
Shoreline Map
12 December 1949

61. Aids to Navigation.--None of the lights on this survey agrees with the positions as plotted on control survey 7041b and recorded in Chart Letter No. 81(1948).

The radially plotted positions have been considered the better positions. They have been circled in black, and the 7041b positions removed from the acetate map.

A test of the positions of these lights revealed that the chart positions are the same as those on T-8930, though there is no evidence that the positions on the chart were taken from T-8930 prior to review.

The map manuscript position of floating aid N40REF is southeast of its position on the chart.

62. Comparison with Registered Topographic Surveys:
T-7041-b, 1:40,000, 1947
~~None~~ This map supersedes T-7041-b for nautical charting.

63. Comparison with Surveys of Other Agencies:

U.S.E. Port Arthur South, Tex.-La., 1/31,680 ed. 1945

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Chart:

No. 517 1:40,000 ed. Aug. 1939 Rep. Jan. 24, 1949
No significant differences occur between T-8930 and the chart except as noted above in items 61, #4.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY:

S. V. Griffith
Chief, Review Section
Division of Photogrammetry

H. R. Edmonston
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

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

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8930

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1-9-53	1279	H.W.B.	Examined for critical changes. ~~Before~~ After Verification and Review
2-12-59	517	J.M.A.	Examined for critical changes. No correction. ~~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
			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.