8889

Diag'd. on Diag. Ch. No.-1116-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Field No. PH-14(46) Office No. T-8889

LOCALITY

State LOUISIANA

General locality Intracoastal Waterway

Locality Houma to Morgan City

194 7

CHIEF OF PARTY

R.A. Gilmore, Chief of Party
Div. of Photogrammetry
Washington, D. C.

LIBRARY & ARCHIVES

DATE February 16, 1949

8-1870-1 (1)

8889

Form T-1

DATA RECORD

T- 8889 (shoreline)

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

Field Office: Chief of Party: R. A. Gilmore

Compilation Office: Wash., D.C. Chief of Party: Graphic Compilation Section Div. of Phtgry. Wash. office Chief of Section, L.C. Lande

Instructions dated (II III): Undated Copy filed in ~~Descriptive Report No. T-~~ Office Files, Div of Phtgy (VI)

Completed survey received in office: 2/13/48 ~~1947~~

Reported to Nautical Chart Section: 2/16/48

Reviewed: 12/6/48 Applied to chart No. 879 Date: Nov. 1948

Redrafting Completed: June 13, 1950

Registered: 12/20/48 Published:

Compilation Scale: 1:10,000 Published Scale:

Scale Factor (III): 1.

Geographic Datum (III): N.A. 1927 Datum Plane (III): MHW

Reference Station (III): DUPONT WHOLESALE CO. W.T. 1934

Lat.: 29°35'49.625" Long.: 90°43'36.627" Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):

X = None Y =

Military Grid Zone (VI)

None

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
18464	1946		1:10,000	
18465	"		"	
18466	"		"	
18467	"		"	
18468	"		"	
18469	"		"	
18470	"		"	

Tide from (III):

Mean Range: **Spring Range:**

Camera: (Kind or source) Nine lens

Field Inspection by: R. A. Gilmore, Chief of Party **date:** 7/1947

Field Edit by: **date:**

Date of Mean High-Water Line Location (III):

None shown

Projection and Grids ruled by (III) T. L. Jansen **date:** March 1947

" " " **checked by:** Washington Office **date:** March 1947

Control plotted by: H. Cravat **date:** Aug. 1947

Control checked by: H. Rau **date:** Aug. 1947

Radial Plot by: C. Theurer **date:** Aug. 1947

Detailed by: H. Cravat, S. Blankenbaker, E. Ramey **date:** Sept. 1947 Nov. 1947

Reviewed in compilation office by: **date:**

Elevations on Field Edit Sheet checked by: **date:**

STATISTICS (III)

Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

MAP T- 8889 PROJECT NO. Ph-14 SCALE OF MAP 1:10,000 SCALE FACTOR 1:00

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)
HOUMA, DUPONT MERCANTILE CO. W.T., 1934	USC& GS	N.A. 1927	29 35 50.747 90 43 09.566			1562.4 285.0 257.5 1357.3	Held
HOUMA, DUPONT WHOLESALE CO. W.T., 1934	"	"	29 35 49.623 90 43 36.627			1527.9 319.5 985.8 629.0	"
STANDPIPE, 1934	"	"	29 35 38.527 90 43 15.920			1186.2 661.2 428.5 1186.3	"
TT 35F, 1932	USGS	"	29 35 21.27 90 45 44.10			654.9 1192.5 1187.1 428.0	"

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: DATE CHECKED BY: DATE

MAP T-8890 PROJECT NO. Ph-14(46) SCALE OF MAP 1:10000 SCALE FACTOR 1.00

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)
		N.A.	29°32' 08.515			262.2 1585.1	(Held)
CANAL, 1934	C&GS	1927	90°48' 29.548			795.6 820.0	
		N.A.	29°32' 07.782			239.6 1607.7	(Not identifie
EAST, 1934	C&GS	1927	90°49' 22.476			605.2 1010.4	
		N.A.	29°34' 30.97			953.5 893.9	(Held (Weak))
TT36F, 1932	USGS	1927	90°48' 36.20			974.4 640.7	
		N.A.	29°32' 1437 meters			143.7 0 410.3	(Held-weak)
BM27, 1934	USED	1927	90°53' 1080 "		1080.0	535.6	
		N.A.	29°32' 727 "			727.0 1120.3	(Held-weak)
BM29, 1934	USED	1927	90°52' 1348 "		1348.0	267.6	
		N.A.	29°32' 227 "			227.0 1620.3	(Held-weak)
BM30, 1934	USED	1927	90°52' 390 "			390.0 1225.6	
		N.A.	29°32' 129 "			129.0 1718.3	(Held-weak)
BM32, 1934	USED	1927	90°51' 801 "			801.0 814.6	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: C. Theurer DATE Aug. 1947 CHECKED BY: L. Gazik DATE Aug. 1947

MAP T-8891 PROJECT NO. Ph-14(46) SCALE OF MAP 1:10,000 SCALE FACTOR 1:000

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)
		N.A.	29°34' 10.994"			338.5 1508.9	Held
BM 1383+00	USE	1927	90°56' 37.218"			1001.9 613.2	
	USC&GS planetable sheet 6179 1934	N.A. 1927	29°33' 9.678"			298.1 1548	(Held) Weak
BM 25 (USE)			90°54' 30.718"			827 788	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: Theurer DATE Aug. 1947 CHECKED BY: Rau DATE Aug. 1947

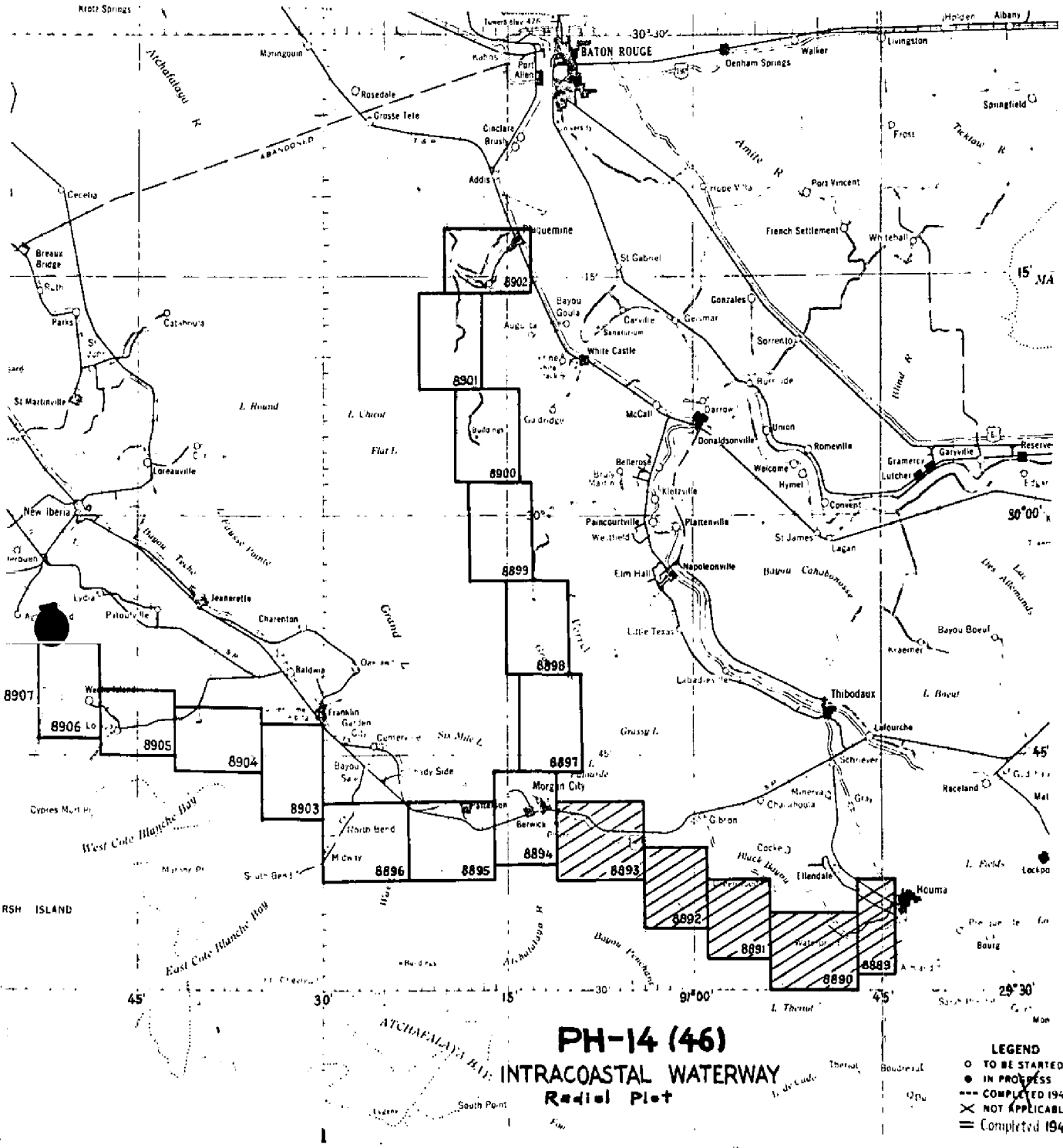
MAP T- 8893 PROJECT NO. Ph-14(46) SCALE OF MAP 1:10000 SCALE FACTOR 1:00

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)
AVOCA IS. OIL DERRICK, 1933	USC&GS	N.A. 1927	29 37 56.949				1753.5	93.9	Not on photo	
			91 10 35.014				941.9	672.4		
~~TEXAS CO. SHOOKMILL W.T., 1931~~	"	"	~~29 41 13.774~~				~~424.1~~	~~1423.3~~	Held	Destroyed
			~~91 10 10.427~~				~~280.3~~	~~1332.9~~		
			29 38 10.814				333.0	1514.4	Held	
AVOCA, 1931	"	"	91 06 49.327				1326.8	287.2		
CHURCH CROSS, 1931			29 41 10.85				334.1	1513.3		
	"	"	91 06 00.87				23.4	1589.8	Held	
			29 42 23.378				719.8	1127.6		
PALOURDE, 1931	"	"	91 05 08.137				218.7	1394.2	Not on photo	
			29 40 06.435				198.1	1649.3		
C 4692, 1941	"	LGS.	91 05 52.093				1400.9	212.6	Held	

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

M-2388-12



PH-14 (46)

INTRACOASTAL WATERWAY

Radial Plot

LEGEND

- ○ TO BE STARTED NEX
- ● IN PROGRESS
- --- COMPLETED 1947 F
- × NOT APPLICABLE
- = Completed 1948 F

Project: Ph-14(46) Intracoastal Waterway, Louisiana
Subject: Radial Plot Report (Shoreline Sheets)
Sheet Nos.: T-8889, T-8890, T-8891, T-8892, and T-8893
Location: Intracoastal Waterway--Houma to Morgan City, Louisiana.
Scale: 1:10,000

This report covers the radial plot data used to control the series of shoreline sheets along the Intracoastal Waterway between Houma, Louisiana and Morgan City, Louisiana. This part of the waterway is very lacking in existing control and an attempt was made to hold U. S. Coast and Geodetic Survey control on both the easterly and westerly ends of this series, and all recovered U.S.E. and U.S.G.S. traverse stations that come in between.

The shoreline detail from the planetable survey T-6179 (1934) at 1:20,000 scale, was projected on to the 1:10,000 scale sheets. Numerous secondary pass points, apparently common to the planetable sheet and the 1946 9-L photographs, were picked along the shoreline of the waterway and used as secondary control in the photo plot. This helped particularly in controlling the plot in the area bridged on T-8891, T-8892, and the eastern half of T-8893.

No difficulty was experienced in holding to U. S. Coast and Geodetic Survey control at Houma on T-8889 and T-8890 and at Morgan City on western half of T-8893, and the photo plot is considered of standard map accuracy on these sheets. Sheets T-8891 and T-8892 have doubtful tolerances inasmuch as USE stations were used as control, and in view of the selection and use of pass points as explained above. However, relatively good intersections were observed throughout the plot, and an attempt was made to adjust and distribute the photograph templets on T-8891, T-8892, and the eastern half of T-8893 in such a manner as to preserve good intersections and still hold close to the projected shoreline from the 1934 planetable surveys. Deviation from the planetable sheet was noticeable in the vicinity of the junction of Bayon Chene with the Waterway on the eastern half of T-8893 where it is believed the shoreline has changed considerably.

Acetate templets from the photographs taken in November 1946 and printed on positype paper, Nos. 18464 through 18488, were used to make the photo plot.

Chamber adjustments were needed to make satisfactory templets and improved intersections were obtained by using a master templet taken from 9 L metal mounted photograph number 18743 and adjusting to it.

The field inspection recovery work was accomplished by Lt. Comdr. Ross A. Gilmore, Chief of Party, during June and July of 1947 and is the subject of a special report L. 533 (1947) filed in Nautical Charts. All control was recovered satisfactorily and used in the plot, but no good check on the quality of the U.S.E. and G.S. traverse stations can be made since they were widely spaced and distant from C&GS stations.

The following control was used and held in the plot with the tolerances shown below:

		Held	Not held (Discrepancy)
T-8889			
	Standpipe, 1934	Good	-
	Dupont Wholesale Co., W.T., 1934	Good	-
	Dupont Mercantile Co., W. T., 1934	Good	-
	TT 35 F, 1932 USGS	Good	-
T-8890			
	TT 36F, 1933, USGS	Weak	-
	Canal, 1934	Good	-
	BM 27 (USE)	Weak	1.00 mm
	BM 29 (USE)	Weak	1.00 mm
	BM 30 (USE)	Weak	½ mm
	BM 32 (USE)	Weak	½ mm
T-8891	BM 25 USE	Weak	¼ mm
	TT 1383 / 00 (USE)	Good	-
T-8892			
	Bridged from T-8891 to T-8893 and planetable sheets.		
T-8893			
	Avoca, 1931	Good	-
	Church Cross, 1931	Good	-
	~~Texas Co. Shookmill, W. T. 1931~~ Destroyed Retained as Topo. station, "Footings". Form 524	Good	-
	Avoca Is. Brick Stack, 1931	Good	-
	C 4692 (L.G.S.)	Good	-

No new control was established in 1947 on the planetable sheet in addition to that located in 1934.

Submitted by: Roscoe J. French
Ros French
Date: October 1947

COMPILATION REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8889

General Description

This manuscript is one of the series of shoreline sheets in Project Ph-14(46) which cover a narrow strip of land along the Gulf Intracoastal Waterway and is to be used primarily as base source material for subsequent nautical chart compilation of inland waterway charts at 1:40,000 scale.

This survey is the first of the series in Project Ph-14(46) which starts at Houma, Louisiana and extends westward along the waterway to Corpus Christi Bay, Texas.

The field party located pertinent detail by identifying it on the photographs, and supplied other surveying data for use in compilation in this office.

The field work was accomplished in June and July 1947 by R. A. Gilmore, Chief of Party and is the subject of a special report on the Gulf Intracoastal Waterway, L.553 (1947) which is filed in the Nautical Chart Branch.

Compilation instructions as such were not furnished for this project, and memorandum instructions No. 17, dated September 15, 1947 were used for reference in detailing the manuscript.

The manuscript is filed in the Division of Photogrammetry, Room 3109.

26. Control

The stations used to control this survey are shown on Form M-2388-12 attached to the radial plot report.

27. Radial Plot

Refer to the radial plot information attached to this report.

28. Detailing

The nine-lens photographs used for detailing this manuscript were generally satisfactory, and although field inspection was limited, stereoscopic examination and interpretation readily revealed the information desired. This section around Houma, La., has many ditches which appear

significant enough to show and is representative of the agricultural activities which occur here. The woods are dense and the limits are shown with curlicue lines. No attempt has been made to completely symbolize the marsh, but the grassy appearance of these areas on low ground would indicate the area is of predominately marshy nature.

There is a complete revision over T-6179 along the waterway itself and this survey supersedes all previous work done in the area.

29. Supplementary Data

(1) Planetable Graphic Control Survey T-6179(1934)
(2) Houma, La., USGS quadrangle, 1:62,500
(3) Gibson, La., USGS quadrangle, 1:62,500
(4) L.533(1947) (Nautical Chart Branch)

No additional planetable work was done in 1947 on T-6179(1934).

30. Mean High Water Line

The field inspection party made no attempt to locate the MHWL on the photographs inasmuch as the shoreline could be readily determined by office methods.

31. Mean Low Water Line

The MLWL is no problem on this survey since the shoreline is rather abrupt along the waterway due to past dredging operations and also because of less than one foot tidal difference in this area. It follows that for charting purposes the MHWL and MLWL are the same.

33. Details Offshore From MHWL

The waterway has been dredged throughout the length of this survey and is free of shoal areas and other constrictions and hazards to navigation as far as the photographs can be interpreted by office inspection.

34. Wharves and Shoreline Structures

The waterway passes through open country and is free of shoreline structures within the confines of this sheet. Wooden bulkheads on the waterway in the vicinity of triangulation station ABLE, 1934 (now lost) on T-6179 (1934) cannot be seen on the photographs.

35. Landmarks and Aids to Navigation

No landmarks or aids to navigation are located within the limits of this manuscript.

38. Geographic names

The geographic names on this manuscript were taken from the special report L.534(1947) submitted by the field inspection party and filed with Mr. Heck in the Division of Charts. The list of names used are shown on Form M-254 attached to this report.

39. Junctions

Satisfactory junctions were made with T-8890 on the west and with CS-365 (5of5) on the east, which is the termination of Project Ph-1(45) under the direction of W. L. Jones, Chief of Party, accomplished the year previous to this survey field inspection work.

44. Comparison with Existing Topographic Quadrangles

This manuscript at 1:10,000 scale is in much more detail than the USGS quadrangles, Houma and Gibson, La., at 1:62,500 scale, and T-6179(1934) planetable survey at 1:20,000 scale. It appears the quadrangles have a limitation on the elevation at which marsh ends, but it is impossible to make that distinction on this manuscript without benefit of detailed field inspection. No difficulty should be experienced in tying the two surveys together in common detail at a reduced scale, and this survey supersedes previous work done in the area.

45. Comparison with Nautical Charts

Comparison with nautical chart 1050 and 1116 show the same differences as mentioned in 44 above since they were originally compiled from those sources.

Detailed by:

E. H. Ramey

E. H. Ramey

Verified by:

Roscoe J. French

Roscoe J. French

Approved by:

L. C. Lande

L. C. Lande

Date: November 1947

Survey No. T8889

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or	G Rand McNally	H U. S. Light List	K	
Bayou Black										1
Waddel Canal										2
Intracoastal Waterway									USL-B	3
Terrebonne Bayou		changed on manuscript								4
Bayou du Large									USLB	5
Southdown										6
Mandalay										7
Hollywood										8
Sunrise										9
Little Bayou Black										10
										11
										12
					Names underlined in red are approved. 12/6/48 L Heck					13
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										27

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Addition to Descriptive Report T-8889

July 1948

The area of this shoreline survey will also be covered by 1:20,000 scale planimetric mapping, project Ph-21(47).

The photogrammetric field surveys for project Ph-21(47) were completed in June 1948, and some of the data received in the office prior to completion of the compilation of this manuscript.

The Ph-21 data show certain changes and corrections to T-8889 which have occurred since the date of the field inspection for T-8889, project Ph-14(46). The more important of these changes have been made on manuscript T-8889 and are shown thereon in red ink. These changes in red have been applied prior to review and prior to the application of T-8889 to the nautical charts, and thus may be considered as a part of the original data for T-8889.

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8889

26. Control. See radial plot report. (Attached to this report)

28. Detailing.

The original delineation was adequate except for minor corrections and changes made by the reviewer in green ink.

44. Comparison with Existing Topographic Quadrangles.

a. Quadrangles

U.S.G.S.	Houma, La	Scale 1:62,500
U.S.G.S.	Gibson, La.	Scale 1:62,500

b. Topographic surveys

T-6179	Scale 1:20,000	1934

There are no contemporary hydrographic surveys.

45. Comparison with Nautical Charts.

1050	Scale 1:175,000	1939-48

47. Adequacy of the Compilation.

There was no field inspection in the area covered by this map manuscript. The compilation is the compiler's interpretation of the photographs and it is believed that the map manuscript is adequate and complete along the area of the Intracoastal Waterway.

In the future this same area will be covered by planimetric map manuscripts T-9029 and T-9030, which should give more complete and adequate coverage.

Reviewed by:

B. Thomas Hynson

B. Thomas Hynson
Cartographer (Photo) 12/6/43

Approved by:

S. V. Griffith
Chief, Review Section

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

K. T. Adams
Chief, Div. of Photogrammetry

C. K. Green
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8889

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2-8-49	879	D.F. Engle	~~Before~~ After Verification and Review
Jan-1949	880	C.R. Helmer	~~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
			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.