

8897

Diag. Cht. 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-8897

LOCALITY

State LOUISIANA

General locality INTRACOASTAL WATERWAY

Locality MORGAN CITY TO PLAQUEMINE
FLAT LAKE-- BAYOU LONG

194 6

CHIEF OF PARTY

R. A. Gilmore

LIBRARY & ARCHIVES

DATE June 21, 1951

B-1870-1 (1)

2688
8897

DATA RECORD

T-8897

Quadrangle (II):

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

Field Office:

Chief of Party: Lt. Comdr. R.A. Gilmore

Compilation Office:

Chief of Party: L. C. Lande

Graphic Compilation Section
Div. of Photogrammetry, Wash., D.C.

Instructions dated (II III):

Not dated.

Office Files, Div of
Copy filed in *Descriptive Photogrammetry*
Report No. T- (VI)

Completed survey received in office: *4/23/48*

Reported to Nautical Chart Section: *4/23/48*

Reviewed: *1/14/49*

Applied to chart No. *881*

Date: *Dec 1948*

Redrafting Completed:

July 3, 1950

Registered: *4/30/51*

Published: *—*

Compilation Scale: 1:10,000

Published Scale: *—*

Scale Factor (III): 1:00

Geographic Datum (III): N.A. 1927

Datum Plane (III): *M. H. W.*

Reference Station (III): ~~Long, 1935~~ *Destroyed*

Lat.: ~~29°50'274.06 m.~~

Long.: ~~91°08'1391.75~~

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): *South Zone*

X = ~~2,058,846.00~~ Y = ~~425,198.02~~

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
18527	Nov. 23 1946	1:12	1:10,000	
18528	"	1:13	"	
18491	"	11:40	"	
18492	"	11:41	"	
18493	"	11:42	"	
18494	"	11:43	"	
18495	"	11:43	"	
21402	Dec. 2, 1947	1:11	"	
21403	"	1:12	"	
21404	"	1:13	"	
21405	"	1:14	"	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) nine-lens

Field Inspection by: R.A. Gilmore
(Chief of Party)

date: 11-1946

Field Edit by: *None*

date: _____

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

Photo - 18547	11-23-46	1:12	No field inspection for
18493	"	11:44	21402 - 5
18492	"	2:44	
18491	"	2:43	
18474	"	11:43	
18528	"	1:13	

Projection and Grids ruled by (III) T.L.J.

date: 9-26-47

" " " checked by: T.L.J.

date: 9-26-47

Control plotted by: (S. Blankenbaker
(George Smith

date: 10-20-47

Control checked by: L.M. Gazik & N.A. Cluff

date: 10-21-47

Radial Plot by: S. Blankenbaker & L.M. Gazik

date: 12/47

Detailed by: L. M. Gazik

date: 3/8/48

Reviewed in compilation office by: *R.J. French*

date: *March 1948*

~~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.

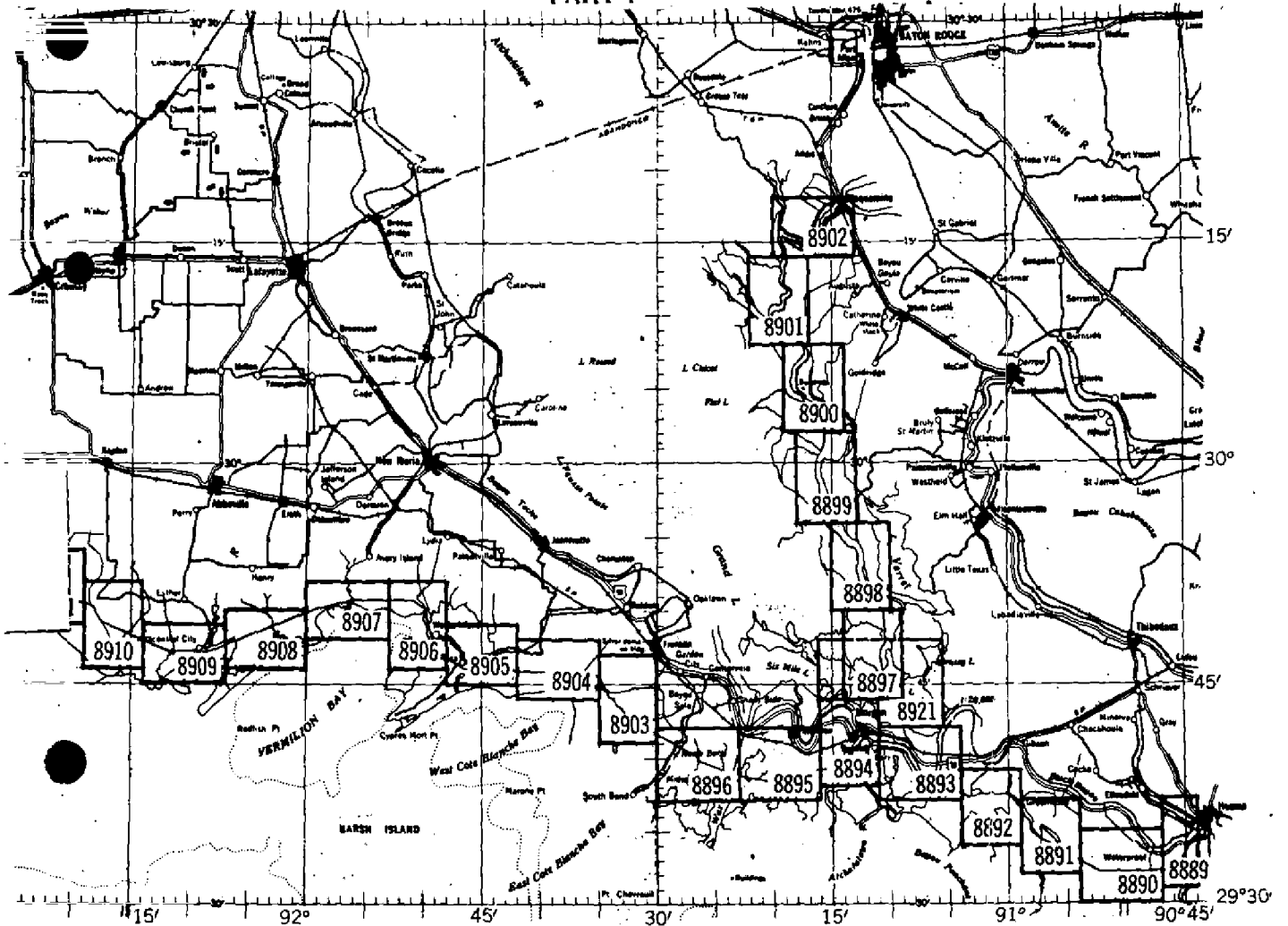
When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

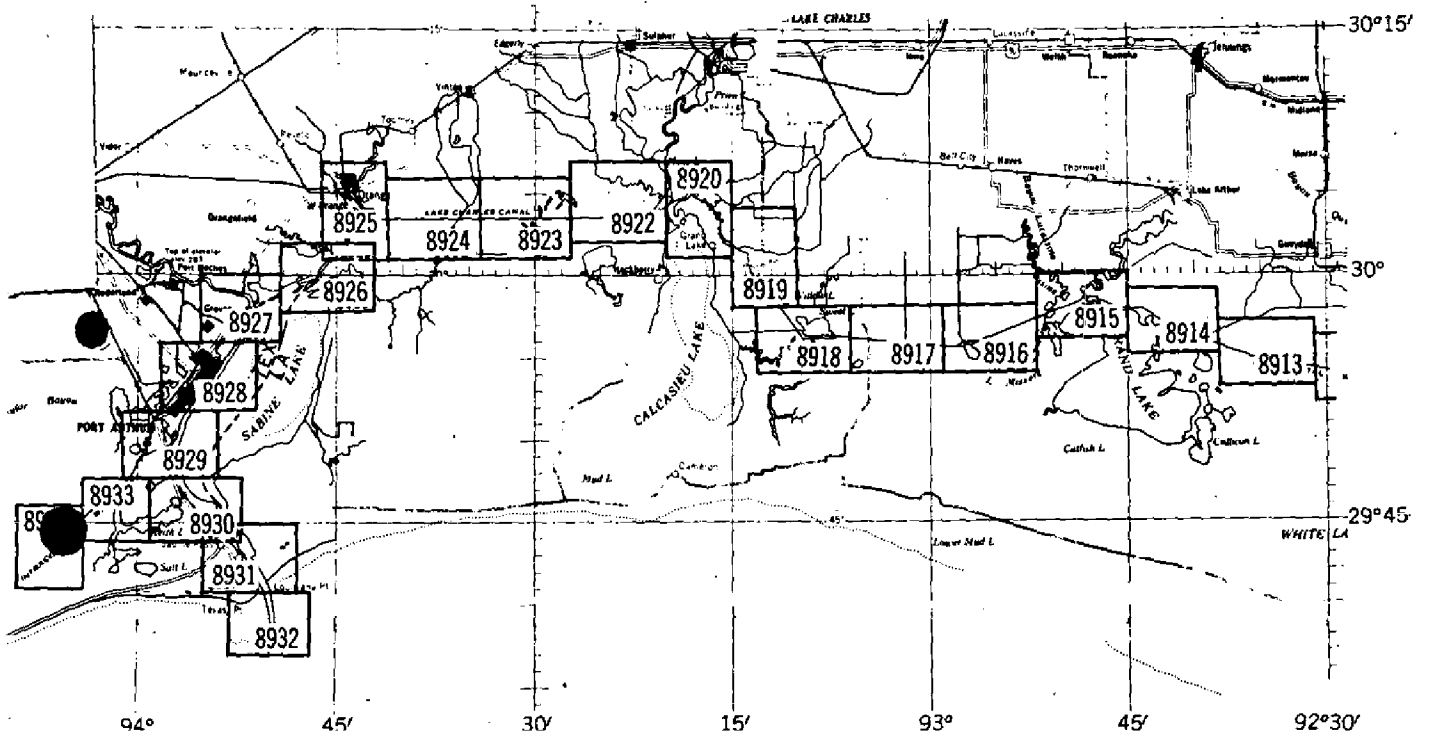
SHORELINE MAPPING PROJECT PH-14(4b)

LOUISIANA - TEXAS, Intracoastal Waterway Houma - Port Arthur

PART 1



PART 2



Descriptive Report: T-8897

Project: Ph-14(46) Intracoastal Waterway, La.

Location: Flat Lake - Bayou Long

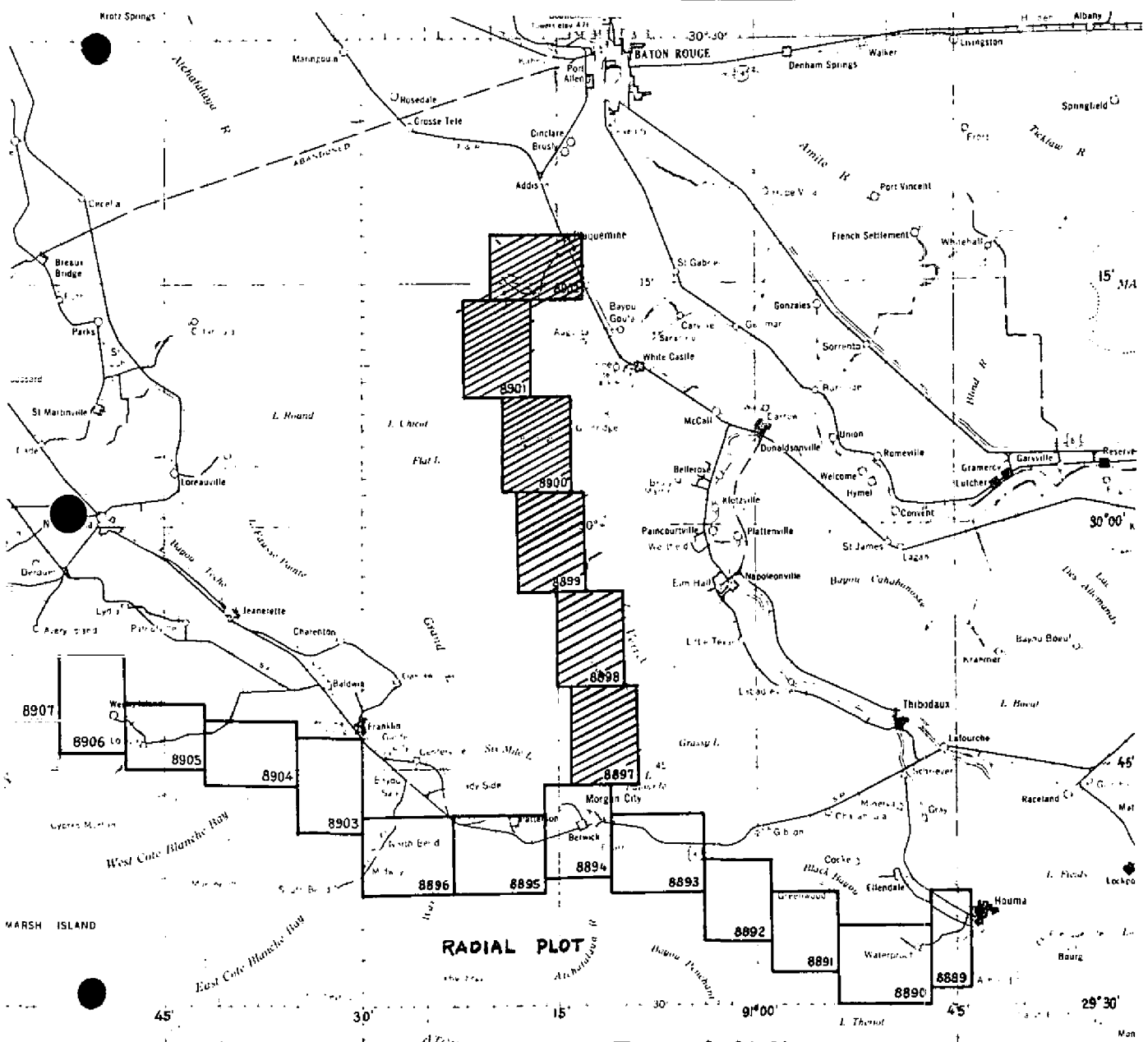
Scale: 1:10,000

This report is the tenth of a series of shoreline sheets covering the Intracoastal Waterway from Houma, Louisiana to Corpus Christi, Texas, and the first of six extending north from Morgan City to Plaquemine, Louisiana.

The field party located the aids, landmarks, horizontal control and other pertinent detail by identifying ~~it~~ ^{them} on the photographs for compilation in this office. The field work was accomplished by Lt. Comdr. R. A. Gilmore, Chief of Party.

The ^{il}Computation Report includes the pertinent field notes from the field photographs and instructions from Special Report L 533 (1942), Houma, Louisiana to Vermillion Bay, Louisiana. ~~This T-sheet~~ ^{T-8897} is filed in the Division of Photogrammetry and Special Report L 533 (1947) is filed with the Nautical Chart Branch.

No additional 1947 planetable work was furnished for this sheet.



RADIAL PLOT

**PH-14 (46)
INTRACOASTAL WATERWAY**

- LEGEND**
- TO BE STARTED NEXT
 - IN PROGRESS
 - COMPLETED 1947 Fiscal
 - × NOT APPLICABLE
 - ▨ Completed 1948 Fiscal

MAP T-8900-8901-8902 PROJECT NO Ph-14(46) SCALE OF MAP 1:10,000 SCALE FACTOR 1.00

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			FORWARD	(BACK)	FORWARD	(BACK)		FORWARD	(BACK)	
PBM #42 USE, 1917	USE Hor. & Vert. Cont. Data	NA-27	30°04'	30.748"				946.79	900.73	
PBM #39 USE, 1935	"	"	91°17'	52.805"				1414.33	192.71	
PBM #38	"	"	30°09'	36.940"				1137.46	710.06	
USE PBM #34	"	"	91°20'	09.709"				259.83	1345.89	
USE PBM #35	"	"	30°11'	24.828"				764.59	1083.02	
BLANCHARD 1935	USC&GS	"	91°18'	35.216"				942.13	663.05	
SCHWING LUMBER CO. TANK, 1935	"	"	30°13'	10.954"				337.30	1510.22	
PLAQUEMINE MUN. TANK, 1935	"	"	91°19'	03.033"				81.11	1523.53	
PLAQUEMINE MAGNETIC, 1935	"	"	30°14'	56.410"				1736.98	110.54	
PLAQUEMINE CHURCH SPIRE, 1935	"	"	91°19'	00.130"				3.48	1600.86	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°15'	28.057"				863.93	983.59	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°19'	08.100"				216.55	1387.55	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°16'	39.808"				1225.81	621.77	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°15'	09.183"				245.46	1358.34	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°16'	52.718"				1623.35	224.23	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°14'	02.104"				56.24	1547.56	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°17'	07.234"				222.76	1624.82	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°14'	15.720"				420.13	1183.43	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°17'	27.788"				855.68	991.90	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°14'	03.775"				100.89	1502.67	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°17'	36.704"				1130.23	717.35	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°14'	23.592"				630.52	973.04	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	30°17'	33.812"				1041.17	806.41	
PLAQUEMINE RED BALL CO. W.T., 1929	"	"	91°14'	03.765"				100.62	1502.94	

* Plaquemine St. John
The Evangelist Cath. Ch. Tank

1 FT. = 3048006 METER
 COMPUTED BY: Smith
 DATE: 10-20-47
 CHECKED BY: Cluff
 DATE: 10-21-47
 M. 2988-12

MAP T-8897-8898-8899 PROJECT NO Ph-14(46) SCALE OF MAP 1:10,000 SCALE FACTOR 1.00

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FROM GRID OR PROJECTION LINE FORWARD (BACK)	IN METERS FORWARD (BACK)	
PBM #52 U.S.E. 1917	USE Hor. & Ver. Cont. Data	NA-27	29°46' 54.629" 91°10' 04.635			1682.03 124.50	165.37 1487.10	
PBM #51 U.S.E. 1917	"	"	29°48' 20.745 91°09' 38.782"			638.74 1041.45	1208.66 569.79	
Long, 1935 USC&GS	JSC&GS	"	29°50' 08.901" 91°08' 51.842"			274.06 1391.75	1573.38 219.01	
PBM #48 USED, 1917 USC&GS, 1935	USE, Hor. & Vert. Control		29°53' 35.912" 91°12' 21.407"			1105.77 573.37	741.69 1035.49	
PBM #47 USE, 1917	"		29°55' 40.647" 91°13' 42.716"			1251.56 1145.73	595.90 463.59	
PBM #44 USE, 1917	"		30°01' 42.520" 91°14' 26.068"			1309.23 698.49	538.22 909.21	
GODDEL, 1935 USC&GS	USC&GS		29°58' 06.004" 91°15' 17.739"			184.87 475.60	1662.59 1133.66	
PBM #43 USE, 1917	"		30°03' 00.310" 91°15' 53.789"			9.54 1140.95	1837.91 166.39	
PBM #46 USE, 1917	"		29°57' 54.147" 91°15' 10.602"			1667.24 284.25	180.22 1324.41	

COMPILATION REPORT T-8897

26. Control. -- This information is included in the accompanying Radial Plot report.

27. Radial Plot - (for T-8897 to T-8902. -- One continuous plot of 27 transparent acetate templates, made for as many photographs, was laid for six base sheets T-8897 to T-8902 inclusive. The following twelve stations, recovered in the field, used as control and held in the plot:-

PBM 47, U.S.E. 1917
PBM 51, U.S.E. 1917
PBM 42, U.S.E. 1917
GODEL, 1935
PBM 46, U.S.E. 1917
PBM 39, U.S.E. 1935
BLANCHARD, 1935
SCHWING LUMBER CO., TANK, 1935
PLAQUEMINE, 1929
ST. JOHN'S CATHOLIC CHURCH, SPIRE, 1935
PLAQUEMINE MAGNETIC, 1935
PLAQUEMINE, MUNICIPAL TANK, 1935

The last named station held to within .5 mm. of the plotted position and was considered held.

The field recovery card for LONG, 1935 indicated that ~~one~~ photo identification was "doubtful" due to blurred detail in the outer edges of the photographs. The position as recovered and transferred to adjoining photographs did not hold better than 1.5 mm. from the plotted position.

The recovery card for PBM 44, 1917 indicates a "doubtful" photo identification and the station could not be held.

Recovery is claimed for PBM 34, U.S.E. 1917 but the field note described "PRE BM JACK MILLER 1933" as being stamped on the cap. The different names and different dates seem to indicate that the two markers are not identical. The latter seems to be the BM, without a geographic position, found on Page B4 in the "Horizontal and Vertical Control Data" for the Chicot Lake Quad., La., issued by the Office of the Engineers, Washington, D. C. 1943. While the former, ~~a~~ BM with a geographic position in the traverse network, is described on Page A18 of the same volume. Apparently the BM without horizontal position was recovered and therefore could not be held for the one with a geographic position.

Both BLANCHARD, 1935 and PBM 35, U.S.E. 1917, which were about a quarter mile apart, could not be held. BLANCHARD was held in preference to the ENGINEER'S station. The Engineer's traverse running north from Morgan City was tied into the triangulation net around Plaquemine in ~~trip~~ area.

No attempt was made to hold PBM 33, U.S.E. 1917 since the photo identification was marked "doubtful" and transference of the point in the heavily wooded area to adjoining photos was very uncertain.

The following stations were not considered held but each came within 1 mm. of the plotted position:- PBM 48, U.S.E. 1917; PBM 52, U.S.E. 1917; PBM 43, U.S.E. 1917; PBM 38, 1917; RED BALL CO., W.T., 1935.

The radial plot for these 6 base sheets was extended and continued from part of the previous plot covering T-8894.

Topo Stations PATE and Si (also lights) transferred from T-6298 to T-8897 could only be held to within 1 mm. of their positions.

No other previous surveys at a comparable or adequate scale were available for supplementary control or comparison.

Positions for the following LIGHTS along the Mississippi River at Plaquemine were established (2 cuts) by radial plot:-

No. 4049 PECAN 207.5
No. 4050 PLAQUEMINE 208.3
No. 4051 MELODEON PT. 208.4
No. 4052 RELIANCE 209.1

Positions for the following LIGHTS near Morgan City in FLAT LAKE were established by radial plot, and are shown on Form 567 with this report:

GRAND PASS LIGHT (TOPO STATION "SI" ?)
FLAT LAKE TURN LIGHT (TOPO STATION "PATE" ?)
BAYOU LONG LIGHT

28. Detailing. -- The photographs for ^{4,5}trip area were close to scale. No use was made of the projector and a minimum of cuts were necessary.

Overhanging trees of the swamp areas which grew to and beyond the shoreline made delineation around the lakes and bayous difficult, and delineation of drainage in heavily wooded areas was found even more difficult.

However, the shorelines of the two Intracoastal Routes were devoid of overhanging trees and no such difficulty was encountered in their delineation.

From the four 1:20,000 photographs the newly dredged Alternate Route along Bayou Milhomme was detailed as was the detail along the 91°14' meridian.

29. Supplemental Data. -- T-6298 at 1:10,000 (1934) covered only a small portion at one southern end of the manuscript.

Positions for STOUTS POINT LIGHT and FLAT LAKE TURN LIGHT were determined by plot and are at slight variance with topographic stations WHI and SI found on T-6298. The report for T-6298 mentions some difficulty with stadia traverse in this area. In the present field inspection no mention is made whether the two lights and two topographic stations are identical.

The position of Bayou LONG LIGHT was determined by plot.

30. MEAN HIGH-WATER LINE.-- This line is for the most part office interpretation with the difficulty of delineation due to overhanging trees and swamp already mentioned above in 28 --"Detailing."

34. LANDMARKS AND AIDS TO NAVIGATION.-- Form 567 with geographic positions for aids to navigation accompany^{ies} this report. No landmarks fall within the limits of this manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES.-- The Napoleonville and Morgan City Quads, Corps of Engineers at 1:62,500 (1935), and a Corps of Engineers' plan for dredging the channel from BAYOU BOEUF TO BAYOU LONG, were consulted. The two waterway routes were not constructed at the time of the publication of these quads.

45. COMPARISON WITH NAUTICAL CHARTS.-- The differences between the scales of the manuscript (1:10,000) and Chart #1050 (1:175,000) were too great to make any detailed comparison. However, the regular Intracoastal Route going north from MORGAN CITY to PLAQUEMINE was not indicated as a through route on the last printing of Chart #1050 (11/3/47) although it had been so shown on an earlier printing of the same chart (2/1/45). The cut-off on the last printing was shown at the village of Pigeon, a little more than half way from MORGAN CITY to PLAQUEMINE. And, although the Alternate Route is indicated by name and by red line on the 11/3/47 printing, the regular route is not indicated by either.

Approved by:

L.C. Lande
L.C. Lande

Submitted by:

L.M. Gazik
L.M. Gazik

Checked by:

R.J. French
R.J. French

Date:

March 1948

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Lake Charles, Louisiana July 25, 1947
Washington, D. C. March 8, 1948

I recommend that the following objects which have 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 L. Martin Gazik

R. A. Gilmore
L. C. Lande

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE								DATUM
				°	'	°	'							
* Bayou Long Light	Louisiana			29 45	1187.0	91 11	678.0	NA 27	Mar. 1948	X	X	881 1050		
* Stouts Point Light				29 44	1213.0	91 13	1299.0	"	"					
Flat Lake Turn Light				29 44	272.5	91 12	378.0	"	"					
Plotted by: R. J. French Scaled by: L. M. Gazik Checked by: E. H. Ramey *These positions can also be found in Chart Letter No. 533 (1947) p. 6 which is filed in the Nautical Chart Branch.														

Chief of Party

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.

GEOGRAPHIC NAMES

Survey No. T-8897

Name on Survey	Source of Information											
	A	B	C	D	E	F	G	H	K			
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List				
^e Barwick Island	/										1	
Stouts Pass	/										2	
Drews Island	/										3	
SIX MILE Six Mile Lake	/										4	
Dog Island	/										5	
Flat Lake	/										6	
Bear Bayou	/										7	
Little Bayou Sorrel	/										8	
Bayou Crosbeak	/										9	
Intercoastal Waterway		/									10	
Intracoastal Waterway Alternate Route		/									11	
Big Bayou Jessie	/										12	
Bayou Segge											13	
East Atchafalaya Basin Protection Levee		/									14	
Bayou Milhomme	/										15	
Lake Palou ^{ur} ide			= Palourde							USGD		16
Middle Pass	/										17	
Solar Pass	/										18	
Pique Bayou		/									19	
Bayou Long Light	(1)	/									20	
Long Island		/									21	
Bayou Long		/									22	
Stouts Point Light	(1)	/									23	
Flat Lake Turn Light	(1)	/									24	
Morgan City-Plaquemine Buoy No. 9	(1)	/									25	
Big Fork Bayou	/										26	
Bayou Sorrell	/										27	

(1) = agrees with Intracoastal Light list

GEOGRAPHIC NAMES

Survey No. T-8897

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D	E	F	G	H	K
BAUDET BAYOU									1
BAYOU GUNNIE	-								2
BAYOU SAM	-								3
BAYOU CHEVREUIL	-								4
Dog Island Pass	-								5
									6
									7
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									25
									26
									27

(name ok. not feature, not on this sheet)

(on sheet)

Names underlined in red are approved
1/10/49
L.H.

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8897

26 Control

The U.S.E. traverse stations, PBM 51, and 52, 1917 have been shown with a triangle rather than a circle as they were originally shown. These are third order stations or better. The U.S.C. & G.S. triangulation station Long, 1935, has been deleted from the map manuscript as it has been destroyed.

28 Detailing

The original compilation was adequate except for minor additions and corrections made by the reviewer. These changes have been shown in blue ink on the map manuscript.

29 Supplemental Data

The U.S.E. Dredging Plan mentioned in paragraph 44 of the descriptive report is in two sections. The numbers on these two sections are File No.-J-17-15568/2 and J-17-15568/3. They are filed in the Division of Photogrammetry general files.

44 Comparison with Existing Topographic Quadrangles

A Quadrangles

U.S.E. Morgan City, La., 1:62,500 1935
U.S.E. Napoleonville, La., 1:62,500 1935

B Topographic Surveys

T-6298 1:10,000 1934

This map supersedes T-6298 for nautical charting purposes.

There are no contemporary hydrographic surveys in the area of the map manuscript.

45 Comparison with Nautical Charts

1050 1:175,000 1939-1948

There are no significant differences between the map and the chart.
Reviewed by: *A later chart #881, 1:50,000, Sept. 1949 (Gulf of Mexico Charting) covers the area of this map. 4/30/51 K. N. W.*

B. Thomas Hynson
B. Thomas Hynson 1/14/49
Cartographer (Photo)

Approved by:

A. V. Griffith
Chief, Review Section *W.M.*
8/27

H. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Division of Photogrammetry
8/27

W. M. Sciffe
Chief, Division of Coastal Surveys
W.M.