

8907

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

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Project PH-14 Office No. T-8907
(46)

LOCALITY

State Louisiana

General locality Gulf Coast Intracoastal Waterway

Locality Champlain Point to Bayou Cassmer

194 7

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE March 4, 1949

B-1870-1 (1)

2088

DATA RECORD

T- 8907(Shoreline)

Quadrangle (II):

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

Field Office:

Morgan City, Louisiana

Chief of Party:

R. A. Gilmore

Compilation Office:

Baltimore, Md.

Chief of Party:

T. B. Reed

Instructions dated (II III):

Not dated

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

Completed survey received in office: 9/9/48

Reported to Nautical Chart Section: 9/22/48

Reviewed: 1/5/49

Applied to chart No. 882

Date: Dec 1948

Redrafting Completed:

July 5, 1950

Registered: 2/14/49

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): 680+01.67 (USE)

Lat.: 29° 50' 34.179" (1052.4)

Long.: 91° 56' 17.419" (467.6)

Adjusted

~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
18568 to 18571 incl.	11/23/46	1421	1:10,000	0.1

Predicted tide tables, Atlantic Ocean, 1946. Reference Tide from (III): station Galveston, Texas, with corrections to "Weeks Bay, Vermilion Bay".

Mean Range: 1.1
Spring Range: Diurnal 1.5

Camera: (Kind or source)

U.S.C. & G. nine lens camera, 8 1/4" focal length

Field Inspection by: Harold A. Duffy
Boynton Locke

date: 5 July to
26 September 1947

Field Edit by:

date:

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

Same as date of photographs supplemented by field inspection

Projection and Grids ruled by (III) W.E.W.

date: 4-1-48

" " " checked by: W. E. W.

date: 4-1-48

Control plotted by: F.A.P.

date: 4-5-48

Control checked by:

date:

Radial Plot by: Roscoe J. French

date: 8 June 1948

Detailed by: Doris A. Maskell

date: 9 July 1948
to 6 Aug. 1948

Reviewed in compilation office by:
J. W. Vonasek

date:
24 Aug. to
31 Aug. 1948

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 23

Shoreline (More than 200 meters to opposite shore): 20

Shoreline (Less than 200 meters to opposite shore): 43

Number of Recoverable Topographic Stations established: none

Number of ^{photo hydro} ~~Temporary Hydrographic~~ Stations located by radial plot: none

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:

PROJECT NO.

T - 8907

Photo 18571

TIDE COMPUTATION

Inspection Date 11/23/46

REF. STATION GALVESTON

WEEKS BAY
TIDAL STATION VERMILION BAY

	Ratio of Range 1.1		
	h.	m. feet	Feet x R of R
H.T.	17.27	1.3	1.4
L.T.	9.40	-0.3	-0.3
DURATION	<u>7.47</u>		<u>1.7</u>
		RANGE	<u>1.7</u>

	h.c.
L.T. or H.T.	9.40
Time Diff.	2.10
L.T. or H.T.	<u>11.50</u>
Req. Time	14.21
INTERVAL	<u>2.31</u>

feet

feet

Tabular correction 4
 Ht. of water
 (L.T. or H.T.) 3
 Stage above MLW 1

Rock bars
 Stage above MLW _____
 Height of rock _____

Photo. No.

 above MLW

h. m.

feet

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

L.T. or H.T.
 Req. Time _____
 INTERVAL : _____

Tabular correction
 Ht. of water
 (L.T. or H.T.) _____
 Stage above MLW _____

Rock bars
 Stage above MLW _____
 Height of rock _____
 Photo.No. _____
 above MLW

Compiled by S.A. Maskell

Checked by J. J. ...

MAP T. 8907

PROJECT NO. PH-14(46)

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	TOLERANCE	N.A. 1927-DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
						FORWARD	(BACK)	
(USE)	DEROUEN QUAD. No. 108	N.A. 1927	39° 50' 39.109"		Held	1204.2	643.2	
STA. 768+00.29			91 54 38.091			1022.5	588.1	
(USE)	DEROUEN QUAD. No. 124	"	29 50 34.179		Held	1052.4	795.0	
STA. 680+01.67			91 56 17.419			467.6	1143.0	
(USE)	DEROUEN QUAD. No. 122	"	29 50 20.052			617.4	1230.0	
STA. 611 + 80.98			91 57 33.175			890.6	720.1	
SUB. STA. 611+80.98			29 50		Held	Plotted by protractor in Washington Office		
(USE)	DEROUEN QUAD. No. 118	N.A. 1927	29 50 01.254			38.6	1808.8	
STA. 534+27.75			91 58 58.380			1567.3	43.5	
SUB. STA. 534+27.75			29 50		1.00 MM	Plotted by protractor in Washington Office		
(USE)	DEROUEN QUAD. No. 128	N.A. 1927	29 49 42.055			1294.9	552.5	
STA. 478+59.22			91 59 57.669			1548.3	62.6	

FIELD REPORT

SHORELINE MANUSCRIPT, SURVEY NO. T-8907

For field data covering Survey No. T-8907 refer to the special field report L 81, (1948) Vermilion Bay, Louisiana to Port Arthur, Texas, submitted by Ross A. Gilmore, dated October 1947, filed in the Nautical Chart Branch.

COMPILATION REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8907

This manuscript is one of a series of surveys in Project No. PH-14 (46) and covers a narrow strip of land along the Gulf Intra-coastal Waterway from ~~Lake Cock~~ to Bayou Cassmer.

Champlain Point

26. CONTROL

This manuscript was received from the Washington Office with the control plotted thereon. Substitute station for 534 +27.75 (U.S.E.) was pricked with doubtful accuracy in the field and could not be held in the radial plot.

A list of the stations is included in this report on Form ~~N~~^M-2388-12.

27. RADIAL PLOT

The radial plot for this survey was made in the Washington Office. Refer to the radial plot report, covering Surveys Nos. T-8903 through T-8909, by Roscoe J. French, dated 8 June 1948.

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17, dated September 15, 1947. Some difficulty was encountered in determining limits of marsh since identification by the field party was not made. Delineation of this feature was made by the compilation office after careful stereoscopic examination of the photographs.

30. MEAN HIGH WATER LINE

The mean tide range in the area covered by this manuscript is about one foot thereby making the MHWL and the MLWL, for all practical purposes one and the same.

31. MEAN LOW WATER LINE

The approximate mean low water line has been shown around several mud areas adjacent to the shoreline.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Delineated in accordance with the field identification.

33. WHARVES AND SHORELINE STRUCTURES

Delineated in accordance with field identification.

34. LANDMARKS AND AIDS TO NAVIGATION

The positions of the buoys in Bayou Petite Anse were plotted in this office from sextant fix data furnished by the field party.

Only two photographs were available for plotting the position of McIlhenny Daybeacon No. 6. In Special Report L 81, reference is also made to a Day beacon No. 4. The following is a list of conflicting data regarding these Daybeacons:

Daybeacon 6 *

Daybeacon 4

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Pricked on photo No. 18569 by field party. 2. In Special Report L 81 under remarks "Non existent, listed, not charted". Not listed on Form 567. 3. On USC&G Chart No. 1277 Daybeacon No. 4 is charted on position where Daybeacon No. 6 position was pricked by field party. | <ol style="list-style-type: none"> 1. No reference to it on photographs by field party. 2. In Special Report L 81 under remarks "Existent, listed, not charted." Listed on form 567. |
|---|--|

Changed to No. 6 on 1277 Standard Div. Charts files.

See also forms No. 567 attached to this report.

** Daybeacon 6 and the position given for it*

on the attached form 567 is accepted as correct by Div of Charts and has been applied to the new chart 882. K.N.M.

There are no landmarks in this area.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.

38. GEOGRAPHIC NAMES 814

Geographic names were taken from the final name sheet furnished this office dated 20 July 1948. A list of geographic names is attached to this report.

The name "Avery Canal" is given on the final names sheet. The name "McIlhenny Canal" is used for the same feature in the "Light List, Intracoastal Waterway", also in the "Supplement to United States Coast Pilot", dated January 1, 1948, and on Chart No. 1051 edition of 1941, corrected to March 1948. It is believed that "McIlhenny Canal" is the correct name

Avery Canal ✓ is a 1943 US&G decision and will be applied to chart 1051. on " 1277. 882

39. JUNCTIONS

This survey is bounded by the project limits to the north and south and is in agreement with Survey No. 8906 to the east and Survey No. 8908 to the west.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Comparison was made with Corps of Engineers, "Derouen Quadrangle, scale 1:62,500, edition of 1939. Two new privately owned canals have been shown to the west of Bayou Petite Anse.

45. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&G charts Nos. 1277 and 1051. The addition of the new privately owned canals on the manuscript constitutes a change.

The following topographic information shown on T-8907 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 changes in cultural and shoreline details need no special discussion.

Respectfully submitted
16 August 1948

James G. Maskell
Engineering Draftsman

Joseph W. Vonasek J.S.
Photogrammetric Engineer
Photogrammetric Office Reviewer

Harry R. Rudolph
Supervisor

Approved and forwarded
16 September 1948
Thomas J. Board
Officer in Charge
Baltimore Photogrammetric Office

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE OBLITERATED~~

STRIKE OUT ONE

Baltimore, Maryland

6 August 1948.

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks, be charted on (~~sketch of area~~) the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

Thos. B. Reed

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED				
				LATITUDE		LONGITUDE								DATUM			
				°	'	°	'								D. P. METERS		
LOUISIANA	LIGHT 1	McILHENNY CANAL LIGHT 1		29	49	734	91	54	140	N.A.	1927	1947	X	X		882	
	LIGHT 3	McILHENNY CANAL LIGHT 3		29	49	1398	91	54	477	"	"	1947	X	X		"	
	DAY BEACON 6	McILHENNY CANAL DAYBEACON 6		29	50	887	91	55	1306	"	"	1947	X	X		"	

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~NON~~FLOATING AIDS ~~OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED }
TO BE DELETED }

STRIKE OUT ONE

Baltimore, Md.

Aug. 6 1948

I recommend that the following objects which have ~~(rechecked)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

J. Vonasek

Thos. B. Reed

Chief of Party.

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	SHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				°	'	°	'						
Buoy 6	LOUISIANA	BAYOU PETITE ANSE		29 50	1522	91 55	1508	N.A. 1927	July 1947	x	x	x	882
" 4	"	"		" "	1370	" "	1423	" "	" "			x	"
" 3	"	"		" "	1191	" "	1574	" "	" "			x	"
" 1	"	"		" "	1215	" "	1340	" "	" "			x	"
" 5	"	"		29 50	1087	91 56	420	" "	" "			x	"

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.

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., August 6, 1948

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by

Joseph W. Vorasek

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED					
				LATITUDE		LONGITUDE				HARBOR CHART	OFFSHORE CHART	INLET AND SHOALS CHART			
				°	'	°	'						D. P. METERS		
BUOY 28	LOUISIANA	BAYOU PETITE ANSE		29	51	1704	91	56	629	N.A. 1927	Sextant	1947	X	X	882 (new)
BUOY 26	"	"		"	"	1583	"	"	589	"	"	"	X	X	"
BUOY 24	"	"		"	"	1444	"	"	422	"	"	"	X	X	"
BUOY 22	"	"		"	"	1190	"	"	339	"	"	"	X	X	"
BUOY 20	"	"		"	"	1015	"	"	453	"	"	"	X	X	"
BUOY 18	"	"		"	"	918	"	"	498	"	"	"	X	X	"
BUOY 16	"	"		"	"	664	"	"	476	"	"	"	X	X	"
BUOY 14	"	"		"	"	236	"	"	257	"	"	"	X	X	"
BUOY 12	"	"		"	"	48	"	"	181	"	"	"	X	X	"
BUOY 10	"	"		29	50	1782	"	"	130	"	"	"	X	X	"
BUOY 8	"	"		"	"	1676	"	"	23	"	"	"	X	X	"

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

- Bayou Cassmer ✓
- Bayou Hebert ✓
- Bayou Petite Anse ✓
- Bayou Portage ✓
- Champlain Point ✓
- Intracoastal Waterway ✓
- ~~Melihenny Canal~~
- Oaks Canal ✓
- Three Bayou ✓
- Tigre Lagoon ✓
- Vermilion Bay ✓
- Weeks Bay ✓

• Avery Canal ✓ (recent USBGM decision)

ADDITION TO DESCRIPTIVE REPORT T-8907

September 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-8907 which have occurred since the date of the field inspection for T-8907, Project PH-14(46). The more important of these changes have been made on manuscript T-8907 and are shown thereon in red ink. These changes in red have been applied prior to review and prior to the application of T-8907 to the nautical charts, and thus may be considered as a part of the original data for T-8907.

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8907

26. Control. -- One Form M-2226-12, for traverse station 768 + 00.29(USE), was available at the time of review. There were none for the remaining traverse stations listed on Form M-2388-12 in this report.

28. Detailing. -- The original compilation was adequate except for minor additions and corrections throughout the manuscript and two major shoreline changes. The major changes were along the western shore of Weeks Bay and the western shore of Vermilion Bay. The compiler apparently did not take into consideration the shoreline notes of the field inspector shown on the field photographs. All corrections, by the reviewer, have been shown on the map manuscript in blue ink.

44. Comparison with Existing Topographic Quadrangles. --

A. Quadrangles		
Derouen, La.	1:62,500	1938
B. Topographic Surveys		
T-6177	1:20,000	1934

There are no contemporary hydrographic surveys in this area.

45. Comparison with Nautical Charts. --

1277	1:80,000	1938-1946
1051	1:175,000	1941-1948

This map manuscript has been partially applied, prior to review, to chart 882, one of a new series.

47. Adequacy of the Compilation. -- Field inspection was generally adequate in the area of the Intracoastal Waterway. In the future, this same area will be covered by planimetric map manuscript T-9012 which should give more complete coverage.

Reviewed by:

B. Thomas Lynson
B. Thomas Lynson
Cartographer (Photo)
January 5, 1949

Approved by:

S. V. Griffith
S. V. Griffith
Chief, Review Section *R.M.*

M. E. Mountain
M. E. Mountain
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
K. T. Adams
Chief, Div. of Photogrammetry

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

GEOGRAPHIC NAMES
 Survey No. T-8907
 Air Photo

Name on Survey	A	B	C	D	E	F	G	H	K	
	<i>On Chart No.</i>	<i>On previous survey No.</i>	<i>On U. S. quadrangle Maps</i>	<i>From local information</i>	<i>On local Maps</i>	<i>P. O. Guide or Map</i>	<i>Rand McNally Atlas</i>	<i>U. S. Light List</i>		
										1
										2
										3
										4
										5
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										26
										27

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8907 Air Photo

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
Dec 1948	882	<i>M. Hunsberger</i>	Before After Verification and Review
Apr 20 1948	1277	<i>Earl M. Crozier</i>	Before After Verification and Review <i>Partly appd thru ch 882</i>
			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
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.