8906

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. ..... *Office No.* T-8906
Project PH-14(46)

LOCALITY

State Louisiana

General locality Gulf Intracoastal Waterway

Locality Weeks Bay

1947

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

LIBRARY & ARCHIVES

DATE April 18, 1949

8-1870-1 (1)

8906

Form T-1

DATA RECORD

T- 8906 (Shoreline)

Quadrangle (II):

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

Field Office:
Morgan City, Louisiana

Chief of Party:
Ross A. Gilmore

Compilation Office:
Baltimore, Md.

Chief of Party:
Thos. B. Reed

Instructions dated (II III):
not dated

Copy filed in ~~Descriptive Report No. T-~~ (VI) Office File, Div. of Phtgy

Completed survey received in office: 9/16/48

Reported to Nautical Chart Section: 9/22/48

Reviewed: 1/4/49 **Applied to chart No.** 882 **Date:** Nov 1948

Redrafting Completed: July 3, 1950

Registered: ~~1/24/49~~ 2/14/49 **Published:**

Compilation Scale: 1:10,000 **Published Scale:**

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927 **Datum Plane (III):** M.H.W. ~~M.S.L.~~

Reference Station (III): WEEKS 2, 1931

Lat.: 29° 48' 23.950" (737.4m) **Long.:** 91° 48' 24.488" (657.6m) **Adjusted** ~~Unadjusted~~

State Plane Coordinates (VI): South Zone

X = 1,849,838.89 Y = 414,859.37

Military Grid Zone (VI)

M-2467-12 (3)

PHOTOGRAPHS (III)
90th meridian

Number	Date	Time	Scale	Stage of Tide
18561	11-23-46	1409	1:10,000	0.1 above MLW
18562	"	1410	"	"
18563	"	1411	"	"
18564	"	1412	"	"
18566	"	1418	"	"
18567	"	1419	"	"

Tide from (III): Predicted Tide Tables, Atlantic Ocean, 1946. Reference Station, Galveston, Texas, with corrections to Weeks Bay, Vermilion Bay.

Mean Range: 1.7' **Spring Range:** 1.5'

Diurnal

Camera: (Kind or source)

U.S.C.& G.S. 9 lens, 8¼" focal length

Field Inspection by: Harold A. Duffy, Boynton Locke **date:** 7-5 to 9-26-1947.

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: N.A.Cluff **date:** unknown

Control checked by: F.A.P. **date:** "

Radial Plot by: Roscoe J. French **date:** 6-28-48

Detailed by: M.K.Spencer **date:** 6-28-48 to 8-30-48

Reviewed in compilation office by: J.W.Vonasek **date:** 9-1-48 to 9-10-48

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

STATISTICS (III)

Land Area (Sq. Statute Miles): 23

Shoreline (More than 200 meters to opposite shore): 14 statute miles

Shoreline (Less than 200 meters to opposite shore): 56 statute miles

Number of Recoverable Topographic Stations established: none

Number of 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:

MAP T- 8906 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 FORWARD (BACK)	~~XXXXX~~ Tolerance	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)
WEEKS 2, 1931	Derouen 15	N.A. 1927	29° 48' 23.950"		Held	737.4 1110.0	
			91 48 24.488			857.6 953.6	
CLUBHOUSE CHIMNEY 1933	Derouen 8	N.A. 1927	29 49 11.503		Held	354.2 1493.2	
			91 49 51.844			1392.0 219.0	
STA. 1076+86.17 (U.S.E.)	Derouen 131	N.A. 1927	29 49 22.637		Held	697.0 1150.4	
			91 49 35.785			960.8 650.1	
STA. 860+23.89 (U.S.E.)	Derouen 112	N.A. 1927	29 50 38.869			1196.8 650.6	
			91 52 53.312			1431.1 179.5	
SUB. STA. 860 + 23.89		N.A. 1927			Held	Plotted by protractor in W. O.	

1 FT. = .3048006 METER

COMPUTED BY: G.B.Willey DATE 3-29-48 CHECKED BY: R.J.French DATE 5-48

M-2388-12

FIELD REPORT

SHORELINE MANUSCRIPT SURVEY NO. T-8906

For data covering Survey T-8906, refer to special field report. L.81 (1948), Gulf Intracoastal Waterway, Vermilion Bay, La. 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-8906

This manuscript is one of a series of shoreline surveys in Project NO. PH-14(46) located along the Intracoastal Waterway covering a narrow strip of land from Houma, La. to Corpus Christi Bay, Texas. This project was undertaken to furnish necessary data for the preparation of a new series of Inland Waterway Charts to be published on a scale of 1:40,000. Compilation instructions were not prepared.

26. CONTROL

This manuscript was received from the Washington Office with the control plotted. A list of stations is included in this report on Form M 2388-12.

27. RADIAL PLOT

The radial plot for the area on this manuscript was made in the Washington Office.

Refer to the Radial Plot Report for Surveys T-8903 to T-8909 written by Roscoe J. French, 8 June 1948. ~~DR T8903~~

28. DELINEATION

Limits of areas of swamp, marsh, high ground and other inland features were determined by stereoscopic examination of the photographs.

Field inspection of shoreline and offshore features was adequate for the area of the survey.

Some difficulty was encountered with respect to placement of detail due to weakness of the radial plot (see radial plot report) and inadequate photographic coverage. The southwestern end of Shark Island was detailed as far as possible but was not completed due to lack of photographic coverage.

The detail on Weeks Island was restricted to just the more obvious and important features.

30. MEAN HIGH WATER LINE

The shoreline was delineated after careful stereoscopic examination of the photographs.

The mean tide range in the area covered by this manuscript is about one foot which results in making the mean high water line and the mean low water line practically the same, except where narrow mud areas occur along the shore.

31. MEAN LOW WATER LINE

(See paragraph 30 above). The approximate mean low water line outlines the mud areas previously mentioned.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Detailed in accordance with field inspection data.

33. WHARVES AND SHORELINE STRUCTURES

Delineated in accordance with field identification and stereoscopic examination.

34. LANDMARKS AND AIDS TO NAVIGATION

The landmark "TANK (ELEV)", 150 ft. high, on Weeks Island was radially plotted from field identification in 1947. Apparently the same tank was selected as a landmark and located by traverse during the 1948 inspection on Project PH-21(47). The two positions differ by approximately 0.6 mm. Both positions have been shown and listed on Form 567 attached to this report.

The difference of 0.6 mm. in the position for this landmark is due, it is believed, to the fact that the instrument station used by the field party was TANKS, WEEKS ISLAND, 1933 (Steel Tank) (which is described on page 6 of Description of Triangulation Stations, Louisiana Coast, Chenier Le Tigre to Oyster Bayou Lighthouse for which a position is not available) and not WEEKS ISLAND, MYLES SALT WORKS, WATER TANK, 1931, described on page A9 of U. S. Engineers Horizontal & Vertical Control Data, Derouen Quad., La. as a wooden tank, the position of which was used to locate the tank.

A radial plotted position of the 90 ft. tank located by the field party in 1948 was not shown on the manuscript because its image appeared only on one photograph.

The 2.5 mm red ink circles are the computed position of the tanks. The 2.5 mm black ink circle is the radial plotted position of the 150' tank.

35. HYDROGRAPHIC CONTROL

None.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None

37. JUNCTIONS

Junction was made with Survey T-8905 to the east and Survey T-8907 to the west, and found to be in good agreement. Project limits are to the north and the south.

38. GEOGRAPHIC NAMES ✓

Geographic names were taken from the Final Names Sheet dated 20 July 1948 submitted by the Washington Office. List of approved names attached.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Survey No. T-8906 has been compared in detail with the War Department Corps of Engineers, Derouen quadrangle, Louisiana, edition of 1938 and found to be in good agreement with the exception of new terrain features, shoreline structures and ~~calans~~ canals delineated upon the manuscript which do not appear upon the quadrangle.

45. COMPARISON WITH NAUTICAL CHARTS

Due to difference in scale between the manuscript and chart number 1277 a minute comparison was not practical. The following topographic information shown on T-8906 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 this chart:

None.

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

Respectfully submitted
31 August 1948

W. R. Spencer
Engineering Draftsman

Joseph W Vonasek
Photogrammetric Engineer
Baltimore Office Reviewer

Harry R. Rudolph
Supervisor

Approved and forwarded
23 September 1948

Officer in Charge
Baltimore Photogrammetric Office

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-8906

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Baltimore, Md. 30 August 1948

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.*

INTRACOASTAL WATERWAY

STATE	LOUISIANA		POSITION										
			LATITUDE			LONGITUDE							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	′	D. M. METERS	°	′	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK *	(Elevated) steel, 150 ft. high		29	48	640.6′	91	48	883.7′	N.A. 1927	Rad. Plot	1947		x	x	882, 1051, 1277
TANK *	(Elevated, steel, 140 ft. high		29	48	634.4′	91	48	878.9′	"	Traverse	1948		x	x	"
TANK	Elevated, steel, 90 ft. high		29	48	651.0′	91	48	875.9′	"	Traverse	1948		x	x	"

* These tanks may be identical

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.

Addition to Descriptive Report T-8906

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-8906 which have occurred since the date of the field inspection for T-8906, Project PH-14(46). The more important of these changes have been made on manuscript T-8906 and are shown thereon in red ink. These changes in red have been applied prior to review and prior to the application of T-8906 to the nautical charts, and thus may be considered as a part of the original data for T-8906.

Date of 882 is now

GEOGRAPHIC NAME LIST

SURVEY NO. T - 8906

- Bayou Carlin
- Bayou Garrett
- Bayou Gaspergou
- Bayou Pete
- Intracoastal Waterway
- Long Ridge Barge Bayou
- Mud Point
- New Iberia Southern Drainage Canal
- Pelican Point
- Shark Bayou
- Shark Island
- Sheephead Bayou
- Shell Bank
- Two Mouth Bayou
- Vermilion Bay
- Warehouse Bayou
- Weeks
- Weeks Bay
- Weeks Bayou
- Weeks Island

. State No. 903
. Southern Pacific

Names preceded by • are approved. 12/31/48.
L. Heck

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-8906

26. Control - No forms M-2226-12 for the triangulation stations listed on form M-2388-12 of this report were available at the time of review.

The U.S. Coast and Geodetic Survey triangulation station, Shark, 1933, was not recovered during the course of the field work on this project. A form 526 was submitted for this station stating that the station was probably still in existance although not recovered. The reviewer plotted this station on the manuscript, but found that it fell approximately 80 meters west of the western shoreline of Shark Island, therefore, the station has not been shown.

28. Detailing - The original compilation was adequate excepting minor additions and corrections made by the reviewer. These changes are shown on the map manuscript in blue ink.

34. Landmarks and Aids to Navigation - Reference is made to paragraph 34 of the compilation report.

The 2.5 mm black ink circle, which is the radial plotted position of the 150 tank, has been deleted from the map manuscript. Authority for this change is contained in a letter from Lt. Comdr. Ross A. Gilmore. This letter and explanatory note have been made a part of the descriptive report.

44. Comparison with Existing Topographic Quadrangles:

A.	Quadrangles		
	Derouen, La.	1:62,500	1938
B.	Topographic Surveys		
	T-6177	1:20,000	1934
	T-6178	1:20,000	1934

There are no contemporary hydrographic surveys.

45. Comparison with Nautical Charts:

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

Partially applied to chart 882 prior to review. (one of a new series)

47. Adequacy of the Compilation - Field Inspection was generally adequate in the immediate vicinity of the Intracoastal Waterway. In the future, this same area will be covered by planimetric map manuscripts T-9012 and T-9013 which should give more complete coverage.

Reviewed by:

B. Thomas Hynson

B. Thomas Hynson
Cartographer (Photo)
1/4/49

Approved by:

S. V. Griffith K.H.M.
S. V. Griffith
Chief, Review Section

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

K. T. Adams
Chief, Div. of Photogrammetry

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

78

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
Tampa Photogrammetric Office
Box 1689, Tampa, Florida

POST-OFFICE ADDRESS:
TELEGRAPH ADDRESS
EXPRESS ADDRESS:

March 22, 1949

To: The Director
U.S. Coast and Geodetic Survey
Washington 25, D.C.

Subject: Shoreline Manuscript T-8906, Project Ph-14(46)

Reference: Letter 78-rs, dated March 18, 1949

There were only two tanks standing on Weeks Island at the time of the field work in 1948 on project Ph-31(47). The tank located in 1931 had been destroyed and only the footings remained. The two existing tanks were located in reference to these footings. (See enclosed copy of Form 526 and sheet with explanation of location of the two existing tanks). The following positions apply to the above discussion:

WEEKS ISLAND, MIES SALT WORKS water tank, 1931 (destroyed)	Lat. 29° 48' 639.7m 627.6 Long.91 48 877.6m 874.8
TANK (large) 1948	Lat. 29° 48' 634.4m Long.91 48 878.9m
TANK (small) 1948	Lat 29° 48' 651.0m Long.91 48 875.9m

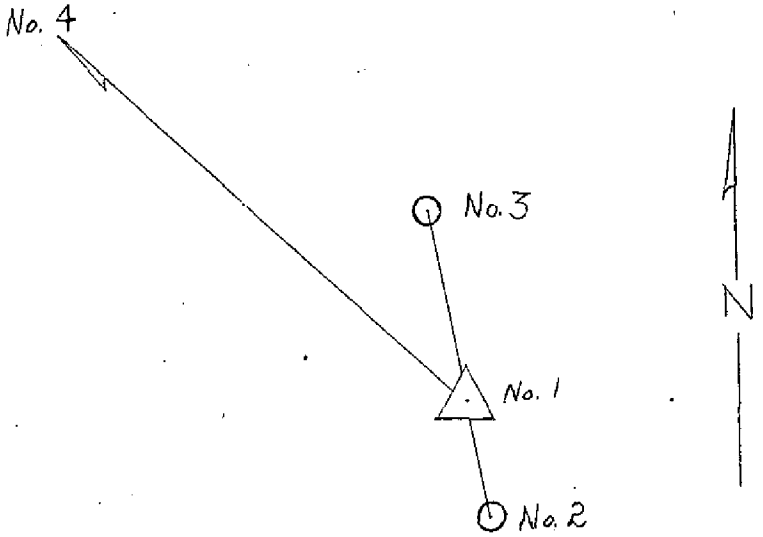
The cable crossing at Weeks Bayou was also measured during the course of the field work on Project Ph-21(47) and the field notes appear on photograph No. 22087 (in this office). This note calls for a vertical clearance of 64 feet above estimated mean high water.

A temporary, advance plot was made in the vicinity of Shark Island and from all indications the shoreline compilation on T-8906 at this place is correct. Evidently the shoreline has eroded considerably since station SHARK was established. This station was also searched for in 1948 but could not be found. It no doubt had long since been washed away.

Ross A. Gilmore
Lieut. Comdr. USC&GS
Officer in Charge
Tampa Photogrammetric Office

RAG/c

Sketch showing location of water tanks at Weeks Island, La., on planimetric sheet T-8906 or quadrangle map No. 9013.



No. 1 is Weeks Island, Myles Salt Works, water tank, 1931
No. 2 is TANK, (large) 1948
No. 3 is TANK, (small) 1948
No. 4 is Avery Island, Salt Works, water tank, 1931

Station No. 1 is the original triangulation station which has been destroyed (see attached Form 526). However, the four concrete foundation footings which supported the tank still remain to mark its location. A central point between the footings was determined by stretching cross strings from opposite footings. It was assumed that the original station stood very near this central point and by occupying this point with a theodolite, the azimuth to each of the new tanks (No. 2 and No. 3) was determined using No. 4 as the initial or azimuth station. The distances were measured horizontally with a steel tape to the nearest tenth of a foot.

Due to the fact that the new tanks were located from such an indefinite point and distances could only be measured to the nearest tenth of a foot, they were reported on Form 524 as Topographic Stations with positions strong enough for radial plot control.