

6043

6043

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: LOUISIANA

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
APR 12 1934
Acc. No.

DESCRIPTIVE REPORT

Topographic } Sheet No. I 6043
~~Hydrographic~~

LOCALITY

On Calcasieu Lake, LA.

Intracoastal Waterway - Black Bayou to
Calcasieu Willow Creek, section.

1934

CHIEF OF PARTY

J. C. Rose

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC
SHEET (FIELD) NO. I

INSTRUCTIONS: The survey was made in accordance with instructions from the Director dated Sept. 8, 1933.

LIMITS: The limits of the area surveyed extend from Lat. $29^{\circ} 58'$ to Lat. $30^{\circ} 02\frac{1}{2}'$ and from Long. $93^{\circ} 11\frac{1}{2}'$ to Long. $93^{\circ} 16\frac{1}{2}'$. The area surveyed is that portion of the Calcasieu-Mermentau section of the Louisiana and Texas Intracoastal Waterway extending from Black Bayou to Willow Lake.

CONTROL: Control for the survey consisted of one 1st order triangulation station, Calcasieu; two second order triangulation stations, McCain and Willow; and three third order triangulation stations, New, Church (Grand Lake) and Windmill.

TRAVERSES: As ample control provided good fixes at all planetable positions, no traverses were necessary.

DESCRIPTION: Calcasieu-Mermentau section of the Louisiana and Texas Intracoastal Waterway is a dredged canal following for a short distance the bed of Black Bayou. At a point near B. M. 7 (U.S.E.) the canal leaves the old stream and runs in a southerly direction toward Willow Lake and Sweet Lake. The land on the west bank of the canal is marsh from B. M. 7 to a point just south of B. M. 10. This marsh extends approximately one half of a mile back from the canal and is covered with tall cane grass and intermittant ponds. Beyond the marsh is a ridge covered with farm houses and trees.

From B. M. 7 to B. M. 10 on the east side of the canal the land may be described as grassy flats. There are a few marshy spots adjacent to occasional sloughs but generally the ground is firm. Beginning at a small drain on the east side of the canal just south of B. M. 10 and extending south a small drain at B. M. 13 the land on both sides of the canal is high farm and pasture land, and is part of what is known locally as "Big Lake Ridge". The highland is dotted with farmhouses, barns, and occasional trees. A shell highway runs across this ridge and crosses the canal at "Big Lake Ferry". At this ferry is a small settlement of several houses, a store and cotton gin. The ferry is a wooden barge 36' long and 16' wide and moved by hand, by a $1\frac{1}{2}$ inch rope which also serves to guide its course. This rope may be lowered to the bottom to allow boats to pass.

South of the small drain at B. M. 13 the land on both sides of the canal is marsh. On the west side the marsh extends back approximately one half of a mile to a ridge. This ridge is dotted with houses and barns. The marsh on both sides of the canal is low and covered with cane grass and broken by intermittant ponds. A spoil bank extends down the east bank nearly all the way from B. M. 7 to A Willow. It is broken in several places by small drains from the marsh.

NAMES: Many new names were coined by the topographer. All those used on the sheet and in this report are well established locally.

J. E. Chachere

J. E. Chachere
Topographer

J. C. Bose

J. C. Bose
Chief of Party

*Applied to drawing 7 Chart No. 582
Jan. 9/35 R.*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVE

APR 12 1934

Acc. No. _____

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. I

REGISTER NO.

State LOUISIANA

General locality Calcasieu Lake

Locality Intracoastal Waterway - (Black Bayou to Willow Creek, 60 Section)

Scale 1:20,000 Date of survey March, 1934

Vessel _____ Party No. 6 (Project HT-138)

Chief of party J. C. Bose

Surveyed by J. E. Chachere

Inked by J. E. Chachere (shoreline); H. R. Burfford (lettering and symbols)

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated September 8, 1934

Remarks: Sheet not completed. (Close of season)

REVIEW OF TOPOGRAPHIC SURVEY No. 6043

Title (Par. 56) *Calcasieu Lake Intracoastal Waterway, Louisiana*Chief of Party *J.C. Base* Surveyed by *J.E. Chachere* Inked by *J.E. Chachere*Ship — Instructions dated *Sept. 8, 1933* Surveyed in *March 1934*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) *No projection or triangulation notes on sheet (Par. 7)*
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. ✓ (Par. 12, 29.)
4. ~~The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. ~~The delineation of contours-formlines is satisfactory. (Par. 49, 50.)~~
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, ~~reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. ~~Reefs and~~ other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DP's, 68.) *7 cards Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) ✓
18. The geographic datum of the sheet is *N.A. 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.) *No reference station note. One was supplied*
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~
24. Remarks:

Reviewed in office by *Chas. R. Bush Jr.* *May 12, 1936*

Examined and approved:

E. H. Green
Chief, Section of Field Records

L. O. Pollock
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. de
Chief, Division of Hyd. and Top.