

6325

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

Hydrographic

Sheet No. "J" 6325

State Louisiana

LOCALITY

Atchafalaya Bay, ~~Vermilion~~

Point Chevreuil and Eastern End
of Marsh Island.

193 5

CHIEF OF PARTY

Thos. B. Reed

U. S. GOVERNMENT PRINTING OFFICE: 1934

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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. "J"

REGISTER NO. **6325**

State Louisiana

General locality Atchafalaya Bay

Locality ~~Vicinity of~~ Point Chevreuil and Eastern End Marsh Island 41

Scale 1:20,000 Date of survey Feb. to June, 1935

Vessel Field Party No. 4.

Chief of party Thos. B. Reed

Surveyed by T. F. Squires, H. W. Richards.

Inked by T. F. Squires, W. B. Reed.

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval ----- feet

Instructions dated June 26, 1934 and Jan. 19, 1935, 19

Letter dated Feb. 11, 1935, No. 22-RS 1990 (4)

Remarks: Topography shown on both sides of sheet.

DESCRIPTIVE REPORT
to accompany

Topographic Sheet "J"

Louisiana, Atchafalaya Bay

Vicinity of Point Chevreuil and Eastern End of Marsh Island

Field Party No. 4 Thos. B. Reed, Chief of Party

Project H..T. 156

DATE OF INSTRUCTIONS: June 26, 1934; January 19, 1935; Letter dated
February 11, 1935 No. 22-RS-1990 (4)

DATE OF SURVEY: February to June 1935.

LIMITS:

This sheet includes the shore line for about 5 miles on either side of Point Chevreuil, the shore line of Rabbit Island, and the shore line of the eastern end of Marsh Island.

SURVEY METHODS:

This survey was made by the usual plane table methods, stadia traverses being run between triangulation stations. The following traverses were run; TUCKY to VANDY, closed 6 meters short; TUCKY to SALT, closed 10 meters long; SOUTH to COVE, closed 26 meters long; SOUTH to TOWER, closed exact; TOWER to EAST, closed 36 meters long; KEY to EAST, closed 7 meters long. All closing errors were adjusted.

CONTROL:

Control for this sheet consisted of the following triangulation stations: VANDY, 1933; TUCKY, 1933; ISLAND, 1933; KEY, 1933; SALT, 1933; EAST, 1933; CONSERVATION TOWER, EAST, 1933; SOUTH, 1933; COVE, 1933.

GENERAL DESCRIPTION:

Except for the area between stations TUCKY and SALT which is covered by high trees, the entire area of this sheet consists of marsh. There are a few small shell beaches along the section between COVE and SOUTH. The dashed line shown outside the highwater line along this section shows the outer limits of grass growing in the water. There is very little difference along the shore line of this sheet between the ordinary high and low water lines. North of Point Chevreuil in the vicinity of signal WASH there is a foul area off-shore with many stumps and old logs in the water. The approximate outer limits of this area are shown by the dashed line.

COMPARISON WITH PREVIOUS SURVEYS:

Copies of the old survey sheets in this region are not available for making a comparison. A considerable amount of change is noted in certain sections from the shore line shown on Chart No. 199. Bird Key and Little Rabbit Island have entirely washed away.

LAND MARKS FOR CHARTS:

The only object of any prominence in the area covered by this sheet is the East Conservation Tower which is shown on Chart No. 199. This tower is about 45 feet high.

GEOGRAPHIC NAMES:

New names of three bayous on Marsh Island were obtained from local residents. Other names, which are the same as those shown on the present charts were checked by local residents.

STATISTICS:

32 Statute miles of shore line were surveyed on this sheet.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Thos B Reed", written in dark ink.

Thos. B. Reed,
Lieut., C. & G. Survey,
Chief of Field Party No. 4.

Survey No. T 6325

Date. July 17, 1935

GEOGRAPHIC NAMES
LOUISIANA

Chart No. 199 - 1276

Diagram No. 1116

Approved by the Division of Geographic Names, Department of Interior. ✕

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 6325 (1935) Filed No. "J"

Title (Par. 56)

Chief of Party *T.B. Reed* Surveyed by *T.F. Squires* Inked by *T.F. Squires*
H.W. Richards *W.B. Reed*Ship *Fied Party No. 4* Instructions dated *June 26, 1934*
Jan. 19, 1935 Surveyed in *Feb. - June 1935.*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) *
(see reverse side)
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.)~~
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. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
From lat. 29° 33.6' to lat. 29° 35'. From lat. 29-28 to lat. 29-30.3
Long. 91° 42' to Long. 91° 44.5' long. 91-45 to long. 41-52
Verified, Jan. 11, 1936 (G.R.) Verified Feb. 11 1936 (C.T.B.) see reverse side 3 pages
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
Between lat. 29-29 and 29-34
and long. 91-30 and 91-46 (1936) *Apr. 17, 1936.*
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.

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REVIEW OF TOPOGRAPHIC SURVEY NO. 6325 (1932) JULY 1936

Parag. 3. while within the allowable limits of closure,

Signals located by traverse between South and Co are in question due to previous location of two of them (Sun + Vat) on prior survey T4926 (1904). Disagreement is approx. 20 to 25 m. Locations on this survey T6325 have been accepted for hydrography on H 5837.

Detailed explanation, and results of investigation of effect on hydrography by possible correction fully discussed under paragraph 5 "Shoreline & Signals" Review of sheet H 5837. C. H. Egner

Par. 9. A general comparison with T-632 (1856) shows as follows.

the shoreline at Point Chevreuil has receded almost 1 mile!

Rabbit Island has greatly diminished in size.

Little Rabbit Island has entirely disappeared. An examination of H-681 (1859) shows 5 to 7 feet of water in its former location and the present survey shows depths of 3 to 4 feet.

Bird Key also has been washed away, the present survey showing depths of 2 to 3 feet in its former location

RfL April 17, 1936. ✓

E. R.

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 DPs, 68.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *No indication that declination was checked.* ✓
18. The geographic datum of the sheet is *N.A. 1927* and the reference station is correctly noted. (Par. 34.) *Seconds in meters omitted. Have been added in office.*
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 ^{wrote} ~~inspected and approved the sheet and the descriptive report, after review by~~
24. Remarks:

Reviewed in office by *G. Ricigari Jan. 11, 1936.*
Inspected by A. L. Shalowitz.

Examined and approved:

G. H. Green.
Chief, Section of Field Records

L. O. Lobbert.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

Stude
Chief, Division of Hyd. and Top.