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

DESCRIPTIVE REPORT

Topographic
Hydrographic

Sheet No. "V" 6325

State Louisiana

LOCALITY
Atchafalaya Bay, Victoria
Point Chevruil and Eastern End
of Marsh Island.

1935

CHIEF OF PARTY
Thos. B. Reed

U.S. GOVERNMENT PRINTING OFFICE: 1935
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: Point Chevraul and Eastern End Marsh Island

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

Vessel: Field Party No. 4

Chief of party: Thos. E. Reed

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

Inked by: T. F. Squires, W. E. Reed

Heights in feet above ground to tops of trees

Contour, Approximate contour, Form line interval

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

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-1930 (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 5 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,

[Signature]

Thos. B. Reed,
Lieut., C. & G. Survey,
Chief of Field Party No. 4.
<table>
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<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
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<td>Tucky Hammock</td>
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<td>Morrison's Cut-Off</td>
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Approved by the Division of Geographic Names, Department of Interior. *

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

Under investigation. Q

APPROVED NAMES
UNDERLINED IN RED

M.L. Fleming
REVIEW OF TOPOGRAPHIC SURVEY No. 6325 (1935) Field No. 1"

Title (Par. 56)

Chief of Party T. B. Reed
Surveyed by T. F. Squires
Inked by T. F. Squires
W. B. Reed
W. A. Richards

Ship Field Party No. 4
Instructions dated Jan. 17, 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.)

4. The amount of vertical control that the Manual specifies for contours was accomplished. (Par. 18, 19, 30, 31, 32, 33.)

5. The delineation of contours 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. 29.)

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. 23° 33.6' to Lat. 29° 35', from Lat. 29° 24' to Lat. 29° 30.3'

Long. 91° 42' to Long. 91° 44.6'

Verif. Jan. 11, 1936 (G.R.)

10. The span, draw, and clearance of bridges are shown. (Par. 16.)

Between Lat. 29° 29' and 29° 34'

and Long. 91° 30' and 71° 46'


11. Locations and elevations of summits are given. (Par. 10, 51.)

12. The tree line was shown on mountains. (Par. 16.)

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.
Parag. 9. While within the allowable limits of Obscure,
signals located by traverse between Smith and Osce are in question
due to previous location of one of them (run + ver) on prior survey T-4926 (1859),
disagreement is approx. 20 to 25 m. Corrections on this survey T-6328 have been
accepted for hydrography on #5837.
Detailed explanation and results of investigation of effect on hydrography
by possible error fully discussed under paragraph "Shoreline + Signals"
Review of Sheet #5837

Parag. 9. A general comparison with T-6328 (1856) shows as follows.
The shoreline at Point Cheerful has receded almost 1 mile.
Rabbit Island has greatly diminished in size.
Little Rabbit Island has entirely disappeared. An examination
T-1481 (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.
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 Ds 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 declinations were checked.

18. The geographic datum of the sheet is N.A. 1927 and the reference station is correctly noted. (Par. 34.) Seconds in metes and bounds have been added in field.

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

S. Ruggieri, Jan. 11, 1936.

Examined and approved:

Fred. L. Teasby

Chief, Section of Field Records

Chief, Division of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hyd. and Top.