Form 804  
U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  

DESCRIPTIVE REPORT  

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric (Photogrammetric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-170</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10525</td>
</tr>
</tbody>
</table>

LOCALITY  

<table>
<thead>
<tr>
<th>State</th>
<th>Louisiana</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Atchafalaya Basin Floodway</td>
</tr>
<tr>
<td>Locality</td>
<td>Bayou Long &amp; Old River</td>
</tr>
</tbody>
</table>

1956-1957  

CHIEF OF PARTY  
I. R. Rubottom    Chief of Party  
Fred Natella, Portland Photogrammetric Unit  

LIBRARY & ARCHIVES  

DATE  
May 1963
DESCRIPTIVE REPORT - DATA RECORD

T-10525

Project No. (II) Ph-170
Quadrangle Name (IV):

Field Office (II): Morgan City, Louisiana
Chief of Party: Ira R. Rubotton

Photogrammetric Office (III): Portland, Oregon
Officer-in-Charge: Fred Natella

Instructions dated (II) (III):
(II) 4 December 1956
Supplement dated 14 March 1957
(III) 21 June 1957
Amendment dated 2 April 1959
Letter 73/rrj dated 8 January 1959

Method of Compilation (III):
Graphic

Manuscript Scale (III):
1:20,000
Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):
None

Date received in Washington Office (IV):
Date reported to Nautical Chart Branch (IV):

Applied to Chart No.
Date:
Date registered (IV):

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III):
N.A. 1927
Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (2g) refer to mean high water
Elevations shown as (2f) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):
GODDEI, 1935

Lat.: 29° 58' 06.004"
Long.: 91° 15' 17.739"

Adjusted Unadjusted

Plane Coordinates (IV):
State: Zone:

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)
(H) (I)
DESCRIPTIVE REPORT - DATA RECORD

Field inspection by (II): J. E. Johnson
Date: January-February 1957

Planetable contouring by (II):
Date:

Completion Surveys by (II):
Date:

Mean High Water Location (III) (State date and method of location): 1-14-57 thru 2-18-57. Indicated by field inspection on field photographs. Refined and transferred to office photographs by stereoscopic inspection and graphically detailed on the manuscript.

Projection and Grids ruled by (IV):
Date:

Projection and Grids checked by (IV):
Date:

Control plotted by (III):
J. L. Harris
Date: Oct. 1957

Control checked by (III):
D. N. Williams
Date: Nov. 1957

Radial Plot or Stereoscopic
Control extension by (III):
J. L. Harris
Date: Jan. 1958

Stereoscopic Instrument compilation (III):

Planimetry

Contours

Manuscript delineated by (III):
R. E. Boyd, Compilation
Date: 3-20-58
J. L. Harris, Scribing
7-13-60
C. C. Harris, Stick-up
8-5-60

Photogrammetric Office Review by (III):
J. L. Harris, Rough Draft
Date: 3-27-60
Advance
Sept. 1960

Elevations on Manuscript
checked by (II) (III):
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USGS 9 lens, focal length 8.25 inches

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>54762 thru 54764</td>
<td>10-15-56</td>
<td>10:20</td>
<td>1:20,000</td>
<td>Tide is mainly diurnal. Probably about 0.5 ft. above M.L.W. on this day.</td>
</tr>
<tr>
<td>54784 thru 54786</td>
<td>&quot;</td>
<td>10:45</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

| Reference Station:        | Galveston, Texas |
| Subordinate Station:      | Eugene Island, Atchafalaya Bay, La. |

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.1</td>
<td>1.9</td>
</tr>
</tbody>
</table>

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 63
Shoreline (More than 200 meters to opposite shore) (III): 3.0
Shoreline (Less than 200 meters to opposite shore) (III): 30.0
Control Leveling - Miles (II): ---
Number of Triangulation Stations searched for (II): 5
Number of BMs searched for (II): ---
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
2. AREAL FIELD INSPECTION

This area, except for the extreme northeast corner, is a part of the Atchafalaya Basin Floodway. Conditions within the floodway are generally as described in Field Inspection Report for Map T-10522 (—), particularly along the western limits of the map. The remainder is not affected as extensively and rapidly by silting because the larger portion of the water covers the area by seepage and sluggish flow from upstream and has already deposited most of the load of silt. Consequently, swamp limits were not too difficult to delineate as they follow, in general, the inshore edge of the natural levee along the streams.

The main waterways are the Morgan City-Plaquemine Intracoastal Waterway, Old River and Little Bayou Long.

The only road in the quadrangle is along the top of the levee, on which travel is possible from Belle River to U. S. Highway 90 in good weather.

The small population is along the levee and banks of Big Goddel Bayou, and a few fishermen and seasonal trappers living in houseboats and cabins in the swamps and along the bayous.

The economy of the area is based on fishing, trapping and petroleum, ranking in importance in the order named. The fishing industry becomes increasingly important as the distance from the developed areas to the south increases. Fishing and seasonal trapping constitute the main economy of the area employing the greater percentage of the populace.

While large stands of cypress and gum exist, there are no active lumber operations at present. A complex system of canals was built years ago to log the virgin timber, and results of "high-line" logging operations are evident on the photographs by the fan shaped patterns at the various loading points along the canals. With only a few exceptions, these abandoned canals are still navigable in pirogues and skiffs and are used by the native fishermen and trappers.

The Morgan City-Plaquemine Intracoastal Waterway, which crosses the northeast corner of the quadrangle, handles considerable tonnage annually.

Nine-lens; 1:20,000 scale photographs were of sufficient quality for field inspection and no special difficulties in interpretation due to quality were encountered. Field inspection has been annotated on the following nine-lens photographs: 54762 thru 54764 and 54784 thru 54786.
Since photography was of recent date, only one new feature was encountered: A canal to a new drilling site which was added by plane-table methods.

3. **HORIZONTAL CONTROL**

The only Coast and Geodetic Survey triangulation in the quadrangle, GODDEL 1935, was recovered and identified.

P. B. M. 46 USE 1917 was recovered during the course of the above recovery. P. B. M. 43 USE 1917 and P. B. M. 45 USE 1917 were destroyed during construction of the protection levee. No other control of another agency was searched for.

No supplemental control was established.

4. **VERTICAL CONTROL**

There are no tidal bench marks in the quadrangle.

5. **CONTOURS AND DRAINAGE**

Contours inapplicable.

See the Field Inspection Report for T-10515.

6. **WOODLAND COVER**

See the Field Inspection Report for T-10515.

7. **SHORELINE AND ALONGSHORE FEATURES**

See the Field Inspection Report for T-10515.

8. **OFFSHORE FEATURES**

There are none.

9. **LANDMARKS AND AIDS**

There are none.

10. **BOUNDARIES, MONUMENTS AND LINES**

See "Special Report, Boundaries, Project P4170."

11. **OTHER CONTROL**

One recoverable topographic station, EASY, was established.
12. OTHER INTERIOR FEATURES

Roads were classified in accordance with reference 5441, Topographic Manual, Part II, and the Project Instructions.

Buildings were classified in accordance with reference 5446, Topographic Manual, Part II, and the Project Instructions.

There are no overhead cables or bridges in the quadrangle.

The oil field outlined on photograph 54763 is under development and is subject to constant change as new canals are dug, additional wells are drilled and facilities added.

All wells are oil and gas.

All tanks are oil tanks unless otherwise indicated.

13. GEOGRAPHIC NAMES

See "Special Report, Geographic Names, Project #170."

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

"Special Report, Geographic Names, Project #170" to be forwarded at a later date.

"Special Report, Boundaries, Project #170" to be forwarded at a later date.

Submitted:

James E. Johnson
Cartographic Survey Aid

Approved:

Ira R. Rubottom
Chief of Party
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-10525

Project Ph-170

Refer to combined radial plot report for T-10515 and T-10523 thru T-10527 and attached correspondence which is included in the Descriptive Report for T-10527 (1957).
COMPILATION REPORT
Map Manuscript T-10525
Project Ph-170

Items 31 thru 35:
Refer to the Descriptive Report for T-10527 (1957).

36. Offshore Details:
None.

37. Landmarks and Aids:
None.

38. Control for Future Surveys:
Form 524 is submitted for one recoverable topographic station located by the radial plot method. It is listed under Item 49, Notes to the Hydrographer.

39. Junctions:
Satisfactory junctions were made with T-10524 on the west and T-10527 on the south. There are no contemporary surveys to the north and east.

Items 40, 46 and 47:
Refer to the Descriptive Report for T-10527 (1957).

Approved:

Fred Natella
CAPT, C&GS
Portland District Officer

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS
49. Notes to the Hydrographer:

Form 52h is submitted for station EASY, 1957.
PHOTOGRAMMETRIC OFFICE REVIEW
T-10525

1. Projection and grids X
2. Title X
3. Manuscript numbers X
4. Manuscript size X

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy X
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X
7. Photo hydro stations None
8. Bench marks None
9. Plotting of sextant fixes None
10. Photogrammetric plot report No
11. Detail points X

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline X
13. Low-water line None
14. Rocks, shoals, etc. X
15. Bridges None
16. Aids to navigation None
17. Landmarks None
18. Other alongshore physical features X
19. Other alongshore cultural features X

PHYSICAL FEATURES
20. Water features X
21. Natural ground cover X
22. Planetable contours None
23. Stereoscopic instrument contours None
24. Contours in general None
25. Spot elevations None
26. Other physical features X

CULTURAL FEATURES
27. Roads X
28. Buildings X
29. Railroads None
30. Other cultural features X

BOUNDARIES
31. Boundary lines X
32. Public land lines None

MISCELLANEOUS
33. Geographic names X
34. Junctions X
35. Legibility of the manuscript X
36. Discrepancy overlay None
37. Descriptive Report X
38. Field Inspection photographs X
39. Forms X
40. J.L. Harris
   Reviewer
41. Remarks (see attached sheet)

SUPERVISOR, REVIEW SECTION OR UNIT
J. Edward Deal

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler
Supervisor

43. Remarks:
48. Geographic Names:

Atchafalaya Basin Floodway
Bayou Fourche
Bayou Jack
Bayou Latania
Bayou Long
Bayou Mallet
Bayou Postilion
Big Fork Bayou
Boudreaux Canal
Grand Lake
Little Bayou Long
Little Bayou Mallet
Little Goddel Bayou
Middle Fork Bayou Long
Old River
West Fork Bayou Long
Wildcat Bayou
REVIEW REPORT
OF PLANIMETRIC MANUSCRIPTS
T-10515 and T-10523 thru T-10527
November 1962

61. General Statement

These are six (6) of 31 planimetric maps of project 28-170,
Atchafalaya River La. These maps were prepared as bases for
Nautical Charts and future Hydrographic Surveys.

62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>T-8897</th>
<th>1:10000</th>
<th>1946</th>
<th>Shoreline Surveys</th>
</tr>
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<tbody>
<tr>
<td>T-8898</td>
<td>1:10000</td>
<td>1946</td>
<td></td>
</tr>
<tr>
<td>T-8899</td>
<td>1:10000</td>
<td>1946</td>
<td></td>
</tr>
</tbody>
</table>

These planimetric surveys supersede the above listed shore-
line surveys of common area for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Centerville, La. 1:62,500 S. of E. 1959
Jeanerette, La. 1:62,500 C. of E. 1954
Napoleonville, La. 1:62,500 C. of E. 1953

A comparison shows that the above maps are in good agreement
except for minor shoreline and cultural details.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys within the
area of these manuscripts.

65. Comparison with Nautical Charts

831 1:50,000 September 1962

There are no differences of importance except for a dredged
channel that is shown on the chart, at Lat. 35° 57.0' Lat.
91° 15.8', that is subsequent to the date of the manuscript.

66. Adequacy of Results and Future Surveys

These maps were prepared for bases for Nautical Charts and
future Hydrographic Surveys and are within the required Accuracy.

Submitted by:

L. C. Lande

L. C. Lande
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. **Letter all information.**
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>881</td>
<td>8-7-63</td>
<td>John P. Stein</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 6 Fully Applied</td>
</tr>
<tr>
<td>1050</td>
<td>4-6-64</td>
<td>[Signature]</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. Considered not off REC 2-4-64</td>
</tr>
</tbody>
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**FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10525**