Form 304
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey PLANIMETRIC

Field No. Office No. T-10931

LOCALITY
State ALABAMA
General locality MOBILE RIVER
Locality GRAND BAY

1957 - 1961

CHIEF OF PARTY
Joseph K. Wilson, Chief of Field Party
V. R. Sobieralski, Tampa District Office

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

T 10931

Project No. (II): PH-5704

Quadrangle Name (IV):

Field Office (II): Pascagoula Miss and Fairhope, Ala.
Photogrammetric Office (III): Tampa, Fla.

Chief of Party: Joseph K. Wilson
Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): II 23 June 1958 (Field)
10 Feb. 1959 (Field Suppl.1)

III 7 Apr. 1959 (Office) 9 Sept. 1959 (Stereo Bridging)
17 Aug. 1959 (Office Suppl.1) 6 Oct. 1959 (Office Suppl.1)
17 Aug. 1959 (Field Suppl.2) 10 Nov. 1959 (Field and Office Suppl.3)

Location of Aids to Navigation dated 7 Oct. 1959

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

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): MHW

Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): CHICKASAW TANK 1935(on T-10930, no control on T-10931)

Lat.: 30°45'33.546" (1033.0 m) Long.: 88°04'19.841" (527.7 m) Adjusted

Plane Coordinates (IV):

State: ALABAMA Zone: West

Y = 276,602.08 X = 320,275.55

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)

(ii) (iii)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II):  W. M. Reynolds  
                          M. A. Stewart  
                          Date:  July 1959

Planetable contouring by (II):  Inapplicable  
                          Date:

Completion Surveys by (II):  W. V. Hull  
                           (Alongshore field edit revealed no changes)  
                           Date:  May 1961

Mean High Water Location (III) (State date and method of location):  Air photo compilation  
                                           Date of photograph:  20 Nov. 1957

Projection and Grids ruled by (IV):  P. J. Dempsey (W.O.)  
                                         Date:  Feb. 1959

Projection and Grids checked by (IV): R. D. Shoup (W.O.)  
                                         Date:  Feb. 1959

Control plotted by (III):  No control  
                          Date:

Radial Plot control by (III):  R. R. Wagner  
                           Date:  June 1960

Stereoscopic Instrument compilation (III):  Planimetry  
                             Inapplicable

                          Contours
                          Date:

Manuscript delineated by (III):  R. Dossett  
                          Date:  Oct. 1960

Photogrammetric Office Review of compilation by (III):  W. H. Shearouse  
                          Date:  Nov. 1960

Elevations on Manuscript checked by (II)-(III):  Inapplicable  
                          Date:
## DESCRIMENT REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Nine-lens

### PHOTGRAPHS (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>56942</td>
<td>20 Nov. 1957</td>
<td>10:33</td>
<td>1:10,000</td>
<td>INSHORE</td>
</tr>
<tr>
<td>56943</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>MANUSCRIPT</td>
</tr>
<tr>
<td>56944</td>
<td>n</td>
<td>n</td>
<td>n</td>
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</tr>
<tr>
<td>56959</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>56960</td>
<td>n</td>
<td>n</td>
<td>n</td>
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<tr>
<td>56961</td>
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### Tide (III)

**Inshore Manuscript**

**No Tide**

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tbody>
<tr>
<td>Date:</td>
<td>August 1961</td>
<td>September 1961</td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Final Drafting by (IV): V.P. Cackowski (Tampa District Office)

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 13

Shoreline (More than 200 meters to opposite shore) (III): 33

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 1

Number of BMs searched for (II): None

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:
FIELD INSPECTION REPORT
Map T-10931
Project RH-5704

Please refer to Field Inspection Report submitted with map T-10928 for all information pertaining to this map.

Joseph K. Wilson
Chief, Photo Party 720
**No Control For This Sheet**
PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. Delineation

The graphic method was used.

The photographs were clear but tilt was present in all. Photographs 56959, 56960 and 56961 has the best scale, photo 56944 was particularly bad.

32. Control

There are no triangulation or traverse stations.

33. Supplemental Data

None.

34. Contours and Drainage

Contours are inapplicable. The area is drained principally by Chickasaw Creek and Mobile River along with contributing bayous and tributaries. These are clearly defined on the photographs and have been delineated after stereoscopic examination.

35. Shoreline and Alongshore Details

Delineated according to field inspection notes. The shoreline inspection was satisfactory. No low-water or shoal lines are shown.

36. Offshore Details

None.

37. Landmarks and Aids

Forms 567 were submitted for 6 Aids to Navigation and one Landmark on 4 Nov. 1960.
<table>
<thead>
<tr>
<th>COMPIlATION RECORD</th>
<th>COMPLETION DATE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>All planimetry compiled</td>
<td>November 1960</td>
<td></td>
</tr>
<tr>
<td>Alongshore field edit in May 1961 revealed no changes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-10929 on the north, T-10930 on the west, T-10977 on the east and T-10933 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Topographic quadrangle "CHICKASAW, ALA., scale 1:24,000 compiled in 1938-40 and revised in 1953. The comparison was favorable. Coast and Geodetic Survey planimetric maps T-5531, scale 1:10,000 and T-5530, scale 1:20,000 compiled from 1934 photographs cover part of this survey. Comparison was made and agreement found to be good. Changes noted were mostly man-made or to be expected in the elapsed time.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Nautical Chart 1266, scale 1:80,000 edition of 16 Nov. 1959. Since the scale of this chart is comparatively small and this is an inshore compilation, no conclusive comparison could be made.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded:

[Signature]

Rudolph Dossett
Carto-photo Aid

For V. Ralph Sobiersalski
Tampa District Officer
48. Geographic Name List

Geographic names were taken from the USGS CHICKASAW ALA. quadrangle and nautical chart No. 1266. No conflicts were noted.

AkkA
Alabama

Baldwin County
Bayou Sara
Bear Creek
Black Bayou
Black Creek
Blakeley Island

Catfish Bayou
Chickasaw Creek

Duck Lake

Grand Bay
Greenwood Bayou

Hickory Bayou
Hog Bayou

Little Bayou
Louis Bayou
Louisville and Nashville RR

Nenemoosha

Mobile County
Mobile River
Round Island

Shell Bayou
Spanish River

Twelvemile Island

[Signature: Name checked and approved 12/10/63
A. J. Wright]
NOTES FOR THE HYDROGRAPHER

None.
<table>
<thead>
<tr>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHOTOGRAMMETRIC OFFICE REVIEW</strong></td>
<td><strong>T. 10931</strong></td>
<td><strong>unclassified</strong></td>
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<table>
<thead>
<tr>
<th>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</th>
<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)</th>
</tr>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>7. PHOTO HYDRO STATIONS</th>
<th>8. BENCH MARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
</tr>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>11. DETAIL POINTS</th>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
</tr>
</thead>
<tbody>
<tr>
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<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
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<table>
<thead>
<tr>
<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
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<td><strong>XX</strong></td>
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<table>
<thead>
<tr>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
<th>22. PLANETABLE CONTOURS</th>
<th>23. STEREOSCOPIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
<th>26. OTHER PHYSICAL FEATURES</th>
<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
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<tbody>
<tr>
<td><strong>XX</strong></td>
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<table>
<thead>
<tr>
<th>30. OTHER CULTURAL FEATURES</th>
<th>31. BOUNDARY LINES</th>
<th>32. PUBLIC LAND LINES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
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<table>
<thead>
<tr>
<th>33. GEOGRAPHIC NAMES</th>
<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
<th>40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
</tr>
</tbody>
</table>

**SIGNATURE OF REVIEWER:**

**WILLIAM H. SHEARERSE**

**SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT:**

**WILLIAM M. SLANEY**

**SIGNATURE OF COMPILER:**

Alongshore field edit revealed no changes

**MILTON M. SLANEY**

**USE REVERSE SIDE FOR REMARKS**
51. **Methods.**

The distance to the MHHW was spot checked along the shoreline. Additions and corrections to the manuscript have been noted on the field-edit sheets in red and on the photographs in purple.

Field edit information has been shown on field edit sheets for T-10929, T-10931, T-10932, T-10933, T-10979, and T-10982. Additional information is shown on the photographs.

52. **Adequacy of Compilation.**

The map compilation appears complete and adequate.

53. **Map Accuracy.**

The shoreline of the maps appears to be accurate.

54. **Recommendations.**

There are no recommendations.

55. **Examination of a Proof Copy.**

No one able to read a map with assurance was contacted to examine a proof copy.

**Geographic Names.**

**SPANISH FORT:**

Mr. George Six, service station attendant, resident of Spanish Fort 9 years. Stated Spanish Fort is in local usage. Only time he had heard of Bridgehead was on bus company tickets.

Mr. Charles Oswall, timberland owner, resident in vicinity for 46 years. Stated Bridgehead was an old name and it referred to the area where the Cochrane Bridge joined the land on the east side of Mobile Bay. Also stated that Spanish Fort is in local usage and that Fort McDermott is part of Spanish Fort.

Mr. George Fuller Jr., real estate agent, resident 10 years. Stated that Bridgehead was an old name but, was no longer used. Also stated
that all local residents refer to the area as Spanish Fort. Mr. Fuller also stated that Fort McDermott is part of Spanish Fort but preferred the Fort McDermott area to be called Spanish Fort Estates and be noted as a historical site.

Historical markers refer to the area as an Old Spanish Fort.

I recommend that this area be charted as Spanish Fort.

Submitted, 2 June 1961

Wesley V. Hull
Chief, Photo Hydro Support Unit 721
61. **General Statement**

*Area* - The project encompasses Mobile Bay and its approaches.

*Purpose* - The object of this project is to provide base maps for nautical charting and shoreline and horizontal control data for hydrographic surveys.

62. **Comparison with Registered Topographic Surveys**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5530</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-5531</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-3716</td>
<td>1:10,000</td>
<td>1919</td>
</tr>
<tr>
<td>T-3713</td>
<td>1:40,000</td>
<td>1918</td>
</tr>
</tbody>
</table>

Cultural and shoreline changes have been continuous. These maps are to supersede the above surveys of common areas for nautical charting. Also see Item 46.

63. **Comparison with Maps of Other Agencies**

- **Cocoa**: 1:62,500 1941
- **Chickasaw**: 1:24,000 1953
- **Mobile**: 1:24,000 1953

See Item 46.

64. **Comparison with Contemporary Hydrographic Surveys**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-8584</td>
<td>1:5,000</td>
<td>1961</td>
</tr>
<tr>
<td>N-8585</td>
<td>1:5,000</td>
<td>1961</td>
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<td>N-8586</td>
<td>1:10,000</td>
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<td>N-8587</td>
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<td>N-8588</td>
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<td>N-8589</td>
<td>1:10,000</td>
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<tr>
<td>N-8591</td>
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<td>1961</td>
</tr>
</tbody>
</table>

Shoreline and control of subject surveys were furnished prior to the hydrographic surveys and apparently no differences of importance exist.
65. **Comparison with Nautical Charts**

1266  
1:80,000  
1965

Because of the scale difference, only a visual comparison was made. No notable differences exist.

66. **Adequacy of Results and Future Surveys**

These maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

L. C. Lande

Approved by:

L. J. Woodcock  
Chief, Photogrammetry Branch  
Chief, Nautical Chart Division