**DESCRIPTIVE REPORT**

**Type of Survey**  
PLANIMETRIC

**Field No.**  
Office No.  T-10929

**LOCALITY**

State  
ALABAMA

General locality  
MOBILE COUNTY

Locality  
SATSUMA

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 = 10929

Project No. (II): PH-5704

Field Office (II): Pascagoula, Miss. and Fairhope, Ala.

Photogrammetric Office (III): Tampa, Fla.

Chief of Party: Joseph K. Wilson

Officer-in-Charge: V. R. 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): Stereoscopic Instrument (Kalas Plotter) and Graphic

Manuscript Scale (III): 1:10,000

Stereo Plotting Instrument Scale (III): 1:5,000

Scale Factor (III): Pantographed to 1:10,000

Date received in Washington Office (IV): 1961

Date reported to Nautical Chart Branch (IV):

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

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

EXCEPTIONS: except as follows:

Elevations shown as (25) refer to mean high water
Elevations shown as (g) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): 108 (AGS) 1938

Lat.: Long.: Adjusted

State: Ala. Zone: West

Plane Coordinates (IV):

Y = 308,473.47 Ft.

X = 329,552.14 Ft.
Areas contoured by various personnel
(Show name within area)

(II) (III)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Paul G. Ater
W. M. Reynolds
K. A. Stewart
Joseph K. Wilson

Field inspection by (II):

Date: July 1959

Planetary contouring by (II):

Inapplicable

Completion Surveys by (II):

W. V. Hull

Date: March 1961

Mean High Water Location (III) (State date and method of location):

Air Photo compilation
Date of Photography: 20 Nov. 1957 and 20 June 1959

Projection and Grids ruled by (IV):

P. J. D. (W.O.)

Date: Aug. 1959

Projection and Grids checked by (IV):

Shoup (W.O.)

Date: Aug. 1959

Control plotted by (III):

R. J. Pate

Date: Oct. 1959

Control checked by (III):

R. E. Smith Jr.

Date: Oct. 1959

Radial Plot or Stereoscopic:

Radial Plot: R. R. Wagner

Date: July 1960

Stereoscopic Control Extension: J. D. Pettow (W.O.) Nov. 1959

Stereoscopic Instrument compilation (III):

Planimetry

Inapplicable

Contours

Date:

Manuscript delineated by (III):

I. I. Saperstein
R. E. Smith Jr.

Date: Oct. 1960

of compilation

Photogrammetric Office Review by (III):

R. R. Wagner

Date: Nov. 1960

Elevations on Manuscript

checked by (II) (III):

Inapplicable
### PHOTOS (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>596-6019</td>
<td>20 June 1959</td>
<td>14:49</td>
<td>1:30,000</td>
<td>Stage of tide can not be determined with any degree of accuracy in the bayous.</td>
</tr>
<tr>
<td>6020</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>6021</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>56945</td>
<td>20 Nov. 1957</td>
<td>10:30</td>
<td>1:10,000</td>
<td></td>
</tr>
<tr>
<td>56946</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>56947</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>56956</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>56957</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>56958</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

### Tide (III)

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV): V. P. Gackowski (Tampa District Office)
Final Drafting Rev'd by: W. H. Shearouse (Tampa District Office)
Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 15
Shoreline (More than 200 meters from opposite shore) (III): 22 linear miles
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 14
Number of BMs searched for (II): 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks: * Including 11 stations west of project
** * 5
*** * 3
FIELD INSPECTION REPORT
Map T-10929
Project Ph-5704

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

Joseph K. Wilson
Joseph K. Wilson
Chief, Photo Party 720
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR ( \delta )-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>106 (AGS) 1938</td>
<td>Mobile Co. Pg 1</td>
<td>N.A. 1927</td>
<td>309,531.17 ( \checkmark )</td>
<td>9 4345.3 ( \checkmark )</td>
<td>&quot;Lost&quot; but plotted</td>
<td>PL RIP 10/27/59</td>
</tr>
<tr>
<td>107 (AGS) 1938</td>
<td>&quot;</td>
<td>&quot;</td>
<td>310,718.61 ( \checkmark )</td>
<td>9 4707.2 ( \checkmark )</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>108 (AGS) 1938</td>
<td>&quot;</td>
<td>&quot;</td>
<td>325,409.73 ( \checkmark )</td>
<td>9 9185.1 ( \checkmark )</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>336 (AGS) 1940</td>
<td>&quot;</td>
<td>15</td>
<td>316,384.96 ( \checkmark )</td>
<td>&quot; W of sheet</td>
<td>Do not plot</td>
<td>&quot;</td>
</tr>
<tr>
<td>338 (AGS) 1940</td>
<td>&quot;</td>
<td>16</td>
<td>310,847.93 ( \checkmark )</td>
<td>&quot; W of sheet</td>
<td>Do not plot</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

1 FT = 0.3048006 METER
COMPUTED BY: 95
DATE: 9 Sept 59
CHECKED BY: RE 5
DATE: 9 Sept 59
COMPILATION REPORT T-10929

PHOTOGRAMMETRIC PLOT REPORT

See report by R. R. Wagner submitted with T-10928 and the bridging report by J. D. Perrow of the Washington Office.

31. DELINEATION

Both the instrument and graphic method were used. The graphic method was used for the lower 1 1/2 minutes of the manuscript and the Kelsh Plotter for the remainder. The field inspection was adequate and was done on the 1957 nine lens photographs. However the single lens photographs were used in the compilation to the limits of their coverage. No difficulty was encountered in the interpretation of the photographs.

Several common points seen on both the single and nine lens photographs were cut in radially using the nine lens photographs. The radial plot position checked the stereo bridge position by 0.2 mm (2 meters) or less.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

City map, Satsuma, Alabama, scale 1" = 400' dated Dec. 1958 and town map of Saraland, scale 1" = 400' May 1959.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated only where it could be seen. In several instances, streams were inked on the field inspection photograph going through dense swamp. These were omitted from the compilation because they could not be verified after stereoscopic examination, see letter 10 Oct. 1960 on DRAINAGE, PH-5704 to Chief, Photogrammetry Division.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline consists only of the banks of the streams and bayous. All alongshore details indicated by the field inspector have been shown.
36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-10928 to the north, T-10975 to the east, T-10931 to the south. The junction with U.S.G.S. CHICKASAW quadrangle to the west appears good.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41. BOUNDARIES

The city limits of Satsuma and Saraland were taken from maps listed under Item 33. The limits of Satsuma as shown on field photograph 56946 did not coincide with the city map. The limits were delineated as shown on the city map.

42. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. CHICKASAW quadrangle 1:24,000 edition of 1953. The comparison is favorable. It will be noted that some streams that appear on the quadrangle were omitted on the manuscript because they could not be verified in the dense swamp, see Item 34.
Comparison has also been made with air photo compilation No. T-5530, scale 1:20,000 dated 1934. Only a small portion of the manuscript is covered by the map, but the comparison is good except for the construction of a new canal housing a gas pipeline.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1266, scale 1:80,000 revised 18 April 1960.

The maps listed under Item 46 are probably the source of topography for the chart and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded:

I. I. Saperstein
Cartographer

V. Ralph Sobieralski
Tampa District Officer
48. GEOGRAPHIC NAME LIST

Names were taken from U.S.G.S. CHICKASAW quadrangle.

ALABAMA
ALABAMA TENNESSEE AND NORTHERN RR

BAYOU SARA
BIG BAY CANOT

CATFISH BAYOU
COX BEACH
CRAFT HIGHWAY

FIG TREE ISLAND

GUNNISON CREEK

HICKORY BAYOU

LITTLE CATFISH BAYOU
LIVEOAK LANDING
LOUISVILLE AND NASHVILLE RR

MOBILE COUNTY

NORTON CREEK

PENNSYLVANIA

SARALAND
SATSUMA
SOUTHERN RR
STEEL CREEK

U.S.L3

Names checked & approved
12 - 10 - 63

A.S. Wright
19. NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T. 10929

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

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
7. Photo hydro stations
8. Bench marks
9. Plotting of sextant fixes
10. Photogrammetric plot report
11. Detail points

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low-water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Planetary contours
23. Stereoscopic instrument contours
24. Contours in general
25. Spot elevations
26. Other physical features

CULTURAL FEATURES
27. Roads
28. Buildings
29. Railroads
30. Other cultural features

BOUNDARIES
31. Boundary lines
32. Public land lines

MISCELLANEOUS
33. Geographic names
34. Junctions
35. Legibility of the manuscript
36. Discrepancy overlay
37. Descriptive Report
38. Field inspection photographs
39. Forms
40. Reviewer

William H. Shearouse

Supervisor, Review Section of Unit
Milton M. Slavney

41. Remarks (see attached sheet)

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.

Robert R. Wagner
Milton M. Slavney

43. Remarks:
U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
FIELD EDIT REPORT  
(Shoreline)  
Quadrangles T-10929 thru T-10933,  
T-10979, and T-10982  

51. Methods.  
The distance to the MHWL 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 Osweil, 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>T-5530</th>
<th>1:20,000</th>
<th>1934</th>
</tr>
</thead>
<tbody>
<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**

<table>
<thead>
<tr>
<th>Ceesol</th>
<th>1:62,500</th>
<th>1941</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chickasaw</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
<tr>
<td>Mobile</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
</tbody>
</table>

See Item 46.

64. **Comparison with Contemporary Hydrographic Surveys**

<table>
<thead>
<tr>
<th>E-8584</th>
<th>1:5,000</th>
<th>1961</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-8585</td>
<td>1:5,000</td>
<td>1961</td>
</tr>
<tr>
<td>E-8586</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>E-8587</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>E-8588</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>E-8589</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>E-8591</td>
<td>1:10,000</td>
<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.
Comparison with Nautical Charts

1266 1:80,000 1965

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

Adequacy of Results and Future Surveys

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

Reviewed by:

L. C. Lende

Approved by:

Charles Evans
Chief, Photogrammetric Branch

L. J. Woodcock
Chief, Photogrammetry Division