**DESCRIPTIVE REPORT**

**Type of Survey**  PLANTIMERIC

**Field No.**  Office No.  T-10979

**LOCALITY**

**State**  ALABAMA

**General locality**  MOBILE BAY

**Locality**  CHACALOOCHES BAY

**1957-1961**

**CHIEF OF PARTY**

Joseph K. Wilson, Chief of Field Party

V. R. Schieralski, Tampa District Office

**LIBRARY & ARCHIVES**

**DATE**
DESCRIPTIVE REPORT - DATA RECORD

T = 10979

Project No. (II): PH-5704

Field Office (II): Fairhope, Ala.

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Fla.

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) 17 Aug. 1959 (Office Suppl.1) 17 Aug. 1959 (Field Suppl.2) 9 Sept. 1959 (Stereo Bridging) 6 Oct. 1959 (Office Suppl.1) 10 Nov. 1959 (Field and Office Suppl.3) Location of Aids to Navigation dated 7 Oct. 1959

Copy filed in Division of Photogrammetry (IV)

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):

Geographic Datum (III): N.A. 1927

Publication date (IV):

Vertical Datum (III): MHW

Elevations shown as (25) refer to mean high water
Elevations shown as (2) refer to sounding datum i.e., mean low water or mean lower low water

Reference Station (III): SOUTH BRIDGE, EAST PULLEY 1935 (station falls on T-10935)

Lat.: 30°01'59.982" (1847.1 m) Long.: 88°00'31.391" (835.5 m)

Adjusted

Plane Coordinates (IV):

X-

Y-

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)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. M. Reynolds  
Date: Aug.-Sept. 1959

Planetable contouring by (II): Inapplicable  
Date:

Completion Surveys by (II): Lt. W. V. Hull  
Date: May 1961

Mean High Water Location (III) (State date and method of location): Air Photo Compilation  
Date of Photographs: 20 Nov. 1957

Projection and Grids ruled by (IV): J.E.T. (W.O.)  
Date: Nov. 1959

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

Control plotted by (III): No control  
Date:

Control checked by (III): No control  
Date:

Radial Plot of Contours by (III): R. R. Wagner  
Date: July 1960

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours  
Inapplicable  
Date:

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

Photogrammetric Office Review by (III): R. R. Wagner  
Date: Nov. 1960

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

Camera (kind or source) (III): C&GS 9-lens

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>56971</td>
<td>20 Nov. 1957</td>
<td>10:56</td>
<td>1:10,000</td>
<td>Tide could not be computed, too far from a Sub-ord. station</td>
</tr>
<tr>
<td>56972</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56973</td>
<td></td>
<td>10:57</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Inapplicable
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):
Final Drafting by (IV): V. P. Cackowski (Tampa District Office)
Reviewed by: H.H. Shearouse
Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 14
Shoreline (More than 200 meters to opposite shore) (III): 19
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  
Project Ph-5704  
Map T-10979

Please refer to the Field Inspection Report for Map T-10980 for all data pertaining to this map.

Submitted:  
SEP 23 1959  
Joseph K. Wilson  
Chief, Photo Party 720
COMPILATION REPORT T-10979

PHOTOGRAHMNETIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

The graphic method was used.

The photographs were of reasonably good scale. All photographs however show some tilt.

Field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Most of the drainage is through marsh areas and easily identifiable on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Delineated according to field inspection notes.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.
38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

A satisfactory junction has been secured with T-10981 on the south, T-10980 on the east, T-10977 on the north and T-10933 on the west.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

46. **COMPARISON WITH EXISTING MAPS**

A comparison has been made with U.S.G.S. quadrangle BRIDGEHEAD ALA, scale 1:24,000, compiled from aerial photographs and plan-table survey of 1939, revised in 1953; also C&GS Air Photo Compilation T-5530, compiled from 1934 photographs. No outstanding discrepancies were noted.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with Nautical Chart No 1266, scale 1:80,000, edition of 16 Nov. 1959, corrected through July 1960. Comparison was favorable.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**

None.

**ITEMS TO BE CARRIED FORWARD**

None.

Approved and Forwarded:

[Signature]

Rudolph Dussett
Carto Survey Aid

[Signature]

J. Ralph Sobieralski
Chief of Party
48. **GEOGRAPHIC NAME LIST**

Nautical Chart 1266 and U.S.G.S. quadrangle BRIDGEHEAD were the sources for geographic names.

**ALABAMA**
**APALACHEE RIVER**

**BALDWIN COUNTY**
**BIG BAY JOHN**
**BIG BATEAU BAY**
**BIG ISLAND**

**CHACALOOCHEE BAY**
**CONWAY CREEK**
**CRAB CREEK**

**DELVAN BAY** *

**JUSTINS BAY**

**LITTLE BAY JOHN**
**LITTLE BATEAU BAY**
**LOWER CRAB CREEK**

**MUDHOLE CREEK**
**ONEMILE BAYOU**

**RAFT RIVER**

**TENSAW RIVER**
**THREEMILE CREEK**

* This is called "LEVAN" Bay on T-5530 but it is named DELVAN Bay on Nautical Chart 1266 and on USGS quadrangle "BRIDGEHEAD".

Checked, & Delvan Bay was found to be correct.

All names checked & approved.

12-10-65

C. J. Wright
49. NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T-10979


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy XX 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) XX 7. Photo hydro stations XX 8. Bench marks XX


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS


40. William H. Shearouse

Reviewer

William H. Shearouse

Supervisory Reviewer, Section or Unit

Milton M. Slaveney

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

Supervisor

Milton M. Slaveney

43. Remarks:
51. Methods.

The distance to the MML 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 Oswell, 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
**TIDE COMPUTATION**

**PROJECT NO. Ph. 5704 T-10979**

**Time and date of exposure**: 1056 10 Nov 1957  
**Reference station**: Mobile  
**Date of field inspection**: Sept 1957  
**Subordinate station**: Mobile River  
**Mean range**:  
**Ratio of ranges**: 1.5

<table>
<thead>
<tr>
<th>Time</th>
<th>Height feet</th>
<th>Height x Ratio of ranges</th>
<th>Time</th>
<th>Height feet</th>
<th>Time difference</th>
<th>Time difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide</td>
<td>22.39</td>
<td>1.6</td>
<td>Low tide</td>
<td>-0.4</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Low tide</td>
<td>9.12</td>
<td>-0.4</td>
<td>Range of tide</td>
<td>2.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Interval</th>
<th>Required time</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
<th>Feature above MLW</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 12</td>
<td>10 5 6</td>
<td>1 4 4</td>
<td>Ht. H. T. or L. T.</td>
<td>-0.4</td>
<td>-0.1</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.1</td>
<td>0.0</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.3</td>
<td>0.0</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.4</td>
<td>0.1</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.5</td>
<td>0.2</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.6</td>
<td>0.3</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.7</td>
<td>0.4</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
<tr>
<td>9 12</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>Ht. H. T. or L. T.</td>
<td>0.8</td>
<td>0.5</td>
<td>0.0</td>
<td>Feature above MLW</td>
</tr>
</tbody>
</table>

**Computed by**: R. Doan  
**Checked by**:  
**Photo No.**: 58772
Review Report
Planimetric Maps
T-10973 thru T-10980
November 1965

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 (1:__000)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-3713</td>
<td>1:40,000</td>
<td>1918</td>
</tr>
<tr>
<td>T-5530</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
</tbody>
</table>

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

63. Comparison with Maps of Other Agencies

<table>
<thead>
<tr>
<th>Agency</th>
<th>Scale (1:__000)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bay Minette</td>
<td>1:62,500</td>
<td>1941</td>
</tr>
<tr>
<td>Hurricane</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
<tr>
<td>Bridgehead</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>Survey</th>
<th>Scale (1:__000)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8588</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8589</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8590</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8591</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
</tbody>
</table>

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no difference of importance exists.

65. Comparison with Nautical Charts

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale (1:__000)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1266</td>
<td>1:80,000</td>
<td>1965</td>
</tr>
</tbody>
</table>

Because of the scale difference only a visual comparison was made. No notable differences exist.
66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

[Signature]
L. C. Lande

Approved by:

[Signature]
Charles Shuman
Chief, Photogrammetric Branch

[Signature]
Chief, Nautical Chart Division

[Signature]
Chief, Photogrammetry Division