DESCRIPTIVE REPORT

Type of Survey: Planimetric

Field No. Office No.: T-10973

LOCALITY

State: ALABAMA
General locality: MOBILE BAY
Locality: TWENTYONE MILE BLUFF

1957 - 1961

CHIEF OF PARTY
Joseph K. Wilson, Chief Field Party
V. R. Sobierski, Tampa District Officer

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

T = 10973

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) Copy filed in Division of Photogrammetry (IV)

III 7 Apr. 1959 (Office) 9 Sept. 1959 (Stereo Bridging) 10 Nov. 1959 (Field and Office Suppl.3)

17 Aug. 1959 (Office Suppl.1) 6 Oct. 1959 (Office Suppl.1)

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): 8/13/59 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

Reference Station (III): REED 1938

Lat.: 30°54'15.218" (1577.3 M) Long.: 87°57'15.406" (1144.7 M)

Adjusted

Plane Coordinates (IV):

X = Y = State: Zone:

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
Field Inspection by (ii): W. M. Reynolds  
Date: Aug. 1959

Planetable contouring by (ii): Inapplicable

Completion Surveys by (ii): Lt. (jc) W.V.Hull  
Date: March 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: Dec. 1959

Control plotted by (III): R. R. Wagner  
Date: Mar. 1960

Control checked by (III): R. J. Pate  
Date: Mar. 1960

Radial Plot  
Control extension by (III): R. R. Wagner  
Date: Aug. 1960

Stereoscopic Instrument compilation (III): Inapplicable  
Contours

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

of compilation

Photogrammetric Office Review by (III): I. I. Saperstein  
Date: Dec. 1960

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

Camera (kind or source) (III): U.S.C. & G.S. Nine-lens

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
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<tbody>
<tr>
<td>56979</td>
<td>20 Nov. 1957</td>
<td>11:00</td>
<td>1:10,000</td>
<td>No tide</td>
</tr>
<tr>
<td>56980</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>in rivers</td>
</tr>
<tr>
<td>56981</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)
Inapplicable

Ratio of Ranges

Washington Office Review by (IV):

Final Drafting by (IV): R. Dossett (Tampa District Office)

Final Drafting Rev'd. By: W.H. Shearouse (Tampa Dist. Office)

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 15

Shoreline (linear miles) (III): 25 linear miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2

Number of BMs searched for (II): none

Number of Recoverable Photo Stations established (III): 1

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

Remarks:
FIELD INSPECTION REPORT
Project Ph-5704
Map T-10973

Please refer to the Field Inspection Report for Map T-10974 for all data pertaining to this map.

Submitted:

[Signature]

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 Y-COORDINATE</th>
<th>LONGITUDE OR X-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>
<th>SCALE FACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>REED 1938</td>
<td>G.P. V. 133</td>
<td>1927</td>
<td>30° 54' 51.218&quot;W</td>
<td>87° 57' 54.486&quot;E</td>
<td>1577.3</td>
<td>1444.8</td>
<td>21, 154.60</td>
<td></td>
</tr>
<tr>
<td>REED 1938</td>
<td>Comp.</td>
<td>1927</td>
<td>30° 55' 05.094&quot;W</td>
<td>87° 58' 00.005&quot;E</td>
<td>154.9</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>279(A6 5) 1939</td>
<td>Mobile County Res. 139</td>
<td></td>
<td>333, 626.17&quot;W</td>
<td>382.9</td>
<td>362.6 (43.74)</td>
<td>343, 827.99</td>
<td>382.8 (41.72)</td>
<td></td>
</tr>
</tbody>
</table>
COMPILATION REPORT
T-10973

PHOTограмMATIC PLOT REPORT

Submitted with T-10928

31. DEnLeNATION

The graphic method was used.

The scale of the photographs ranged from fair to poor.

Field inspection was adequate.

32. Control

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

All drainage was delineated if it could be seen after stereoscopic examination. Some drainage in the heavily wooded swamps could not be seen and was therefore omitted.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated along the edge of the tree and swamp lines as indicated by the field inspection, which was adequate. Several boat sheds have been shown along the shore of Dead Lake.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.
38. CONTROL FOR FUTURE SURVEYS

One topographic station has been established by traverse, form 524 submitted and is listed under Item 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-10928 on the west, T-10974 on the east and T-10975 on the south. There is no contemporary survey to the north. The area of this map manuscript falls within the N.W. portion of U.S.G.S. 15" quadrangle "Bay Minette, Ala." scale 1:62500, surveyed in 1940-41. Various stream positions were checked by scale and found to be in good agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. quadrangle "Bay Minette, Ala." scale 1:62500, surveyed in 1940-41. Comparison was favorable. There are no planimetric maps for the area.

47. COMPARISON WITH NAUTICAL CHARTS

There are no charts for the area.

Rudolph Bossett
Carto - Photo Aid

Approved and Forwarded:

Ralph Sobierski
V. Ralph Sobierski
Tampa District Officer
48. **GEOGRAPHIC NAME LIST**

Names were taken from U.S.G.S. BAY MINETTE quadrangle.

**ALABAMA**

BALDWIN COUNTY
BAT CREEK
BAYOU EAST
BIG BRIAR CREEK
BIG LIZARD CREEK
BRAGGS NECK

DEAD LAKE
DUCK BAYOU

GROMPAU BRANCH

LITTLE LIZARD CREEK

MOBILE COUNTY
MOBILE RIVER

SAND LANDING
SIPAU BRANCH
SIX BITS CREEK
SQUIRREL BAYOU

THE BASIN
TWENTYONE MILE BLUFF

*Names approved*  
12-10-63  
A. J. Wright
49. NOTES FOR THE HYDROGRAPHER

The following station may be of use to the hydrographer:

REED AZ. MARK, 1938.
50.

PHOTOGNAMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT
T-10973


CONTROL STATIONS

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


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines WHS 32. Public land lines XX

MISCELLANEOUS


40. William H. Shearouse

Reviewer

Milton M. Slavney

Supervisor, Review Section or Unit

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.

No corrections or additions noted by Field Editor

Compiler

Supervisor

43. Remarks:
Field Edit Report
(Shoreline)
Quadranles T-10928, T-10973,
T-10974, T-10975, T-10976,
T-10977, T-10978, T-10981.

51. Methods

The shoreline was inspected by truck and skiff. The distance to the WMLL was spot checked at intervals from points of known location and found to be correct and adequate, except where noted on the ozalid copies of the map manuscripts and the photographs.

Corrections and additions to the manuscript have been noted on the field edit sheets in red and on the photographs in purple. Deletions are shown in green.

Field edit information has been shown on field edit sheets for T-10928, T-10973, T-10974, T-10975, T-10976, T-10977, T-10978, T-10981; on nine lens photographs 56891, 56893, 56948, 56950, 56954, 56959, 56971, 57012, 57013; nine lens office print 56959.

52. Adequacy of Compilation.

The map compilation appears complete and adequate with the exception to the corrections and additions as shown on the ozalid field edit sheets.

53. Map accuracy.

The accuracy of the map compilation appears to be complete and adequate.

54. Recommendations.

There are no recommendations.

55. Examination of Proof Copy.

No one was contacted to examine a proof copy of the map.

Submitted:

Vessey V. Hull
LG1 C&GS
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>Map</th>
<th>Scale</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</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</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>Chart</th>
<th>Scale</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:

L. C. Lande

Approved by:

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

Chief, Photogrammetry Division