**DESCRIPTIVE REPORT**

**Type of Survey** PLANIMETRIC

**Field No.** T-10974

**LOCALITY**

**State** ALABAMA

**General locality** BALDWIN - MOBILE COUNTIES

**Locality** TENSAW RIVER - MIDDLE RIVER

**1957 - 1961**

**CHIEF OF PARTY**
Joseph K. Wilson, Chief of Field Party
W. Ralph Sobierski, Tampa District Office

**LIBRARY & ARCHIVES**

**DATE**
DESCRIPTIVE REPORT - DATA RECORD

T -10974

Project No. (II): Ph-5704

Quadrangle Name (IV):

Field Office (II): Fairhope, Ala.

Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): (II) 23 June 1958 (Field)

10 Feb. 1959 (Field Suppl.1)

(III) 7 April 1959 (Office)

17 August 1959 (Office Suppl.1)

9 Sept. 1959 (Stereo bridging)

6 Oct. 1959 (Office Suppl.1)

17 August 1959 (Field Suppl.2)

10 Nov. 1959 (Field & 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): 8/13/59

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

Reference Station (III): 604 (AGS) 1939'

Lat.: Long.: Adjusted Unadjusted

Plane Coordinates (IV):

State: ALABAMA Zone: WEST

Y = 341,087.58 Ft. x = 386,679.39 Ft.
Areas contoured by various personnel
(Show name within area)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Joseph K. Wilson
Matthew A. Stewart
W. M. Reynolds

Date: August 1959

Field Inspection by (II): Inapplicable

Date: March 1961

Pianetable contouring by (II):

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

Mean High Water Location (III) (State date and method of location): Air Photo Compilation
Date of photographs: 19-20 November 1957

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

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

Date: Nov. 1959
Date: Nov. 1959

Control plotted by (III): V. E. Cackowski

Date: Apr. 1960

Control checked by (III): R. E. Smith

Date: Apr. 1960

Radial Plot or Stereoscopic: R. R. Wagner

Date: July 1960

- Control-extension by (III):

- Pianimetry

- Contours

Stereoscopic Instrument compilation (III): Inapplicable

Date: Nov. 1960

Manuscript delineated by (III): R. Dossett

Date: Nov. 1960

of compilation

Photogrammetric Office Review by (III): I. I. Saperstein

Date: Nov. 1960

Elevations on Manuscript checked by (II) (III): Inapplicable

Date:
### Photographic Records

<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>56894</td>
<td>19 Nov. 1957</td>
<td>1556</td>
<td>1:10,000</td>
<td>To far from Tide Station for accurate computation</td>
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<tr>
<td>56895</td>
<td></td>
<td>1556</td>
<td></td>
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<tr>
<td>56896</td>
<td></td>
<td>1557</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57004</td>
<td>20 Nov. 1957</td>
<td>1120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57005</td>
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<td>1120</td>
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<td>1121</td>
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</tr>
<tr>
<td>57007</td>
<td></td>
<td>1121</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Comments

- **Tide**

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
</table>

### Summary

- **Reference Station:** None used
- **Washington Office Review by:**
  - **Final Drafting by:** R. Dossett (Tampa District Office)
  - **Final Drafting Reviewed by:** W. H. Shearouse (Tampa District Office)

- **Drafting verified for reproduction by:**
  - **Proof Edit by:**

- **Land Area (Sq. Statute Miles)**: 14
- **Shoreline (More than 200 meters to opposite shore)**: 22 lin. mi.
- **Shoreline (Less than 200 meters to opposite shore)**: Inapplicable
- **Control Leveling - Miles**
- **Number of Triangulation Stations searched for**
- **Number of BMs searched for**
- **Number of Recoverable Photo Stations established**
- **Number of Temporary Photo Hydro Stations established**

- **Remarks:** *All stations east of project*
2. AREAL FIELD INSPECTION

These maps are located just north and east of the city of Mobile in an area consisting of mostly marsh and swamp.


Field Inspection was accomplished on the following nine-lens photographs: 56954, 56955, 56956, 56957, 56958, 56959, 56960, 56974, 56975, 56976, 56977, 56978, 56979, 56980, 56981, 56894, 56895, 57005.

The 1957 nine-lens photographs were of fair quality. The field inspection is believed to be complete and all phases adequately indicated.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey and Alabama Geodetic Survey stations were searched for and reported on Form 526. This includes six stations outside the limits of T-10974.

The following stations have been reported as "destroyed", "lost", or "not recovered":

T-10973 none
T-10975 none
T-10977

TENPOR, 1935

One new flight line at 1:30,000 scale was flown in June 1959 with the Wild Camera. This new flight line will be used to run a stereoplanigraph bridge for strengthening the nine-lens plot. The field inspector has complied with the letter from Chief, Division of Photogrammetry to Joseph K. Wilson, dated 7 July 1959, 72/rm. Only one station was affected by the single-lens photographs: Mobile Bay, Louisville and Nashville Draw Span 1935 in map T-10975.

There was no supplemental control established.

4. VERTICAL CONTROL

There are no tidal bench marks within the limits of these maps.

5. CONTOURS AND DRAINAGE

Contouring is inapplicable.

The drainage has been delineated throughout the limits of these maps.

6. WOODLAND COVER

The cover was classified in accordance with Project Instructions and the Topographic Manual. The field inspector has shown in its entirety all swamp and marsh limits.

7. SHORELINE AND ALONGSHORE FEATURES

These maps cover an area of two main rivers and numerous small creeks. The shoreline is mostly apparent. A few areas have fast land. The shoreline has been indicated on the photographs by symbols. No attempt was made to show the low-water line.
All docks, piers, etc. have been shown on the photographs. Shoreline Inspection has been shown on the following nine-lens photographs:
56954, 56955, 56956, 56957, 56958, 56959, 56960, 56974, 56975,
56976, 56977, 56978, 56979, 56980, 56981, 56894, 56895, 57035.

8. OFFSHORE FEATURES
There were no offshore features noted.

9. LAND MARKS AND AIDS
There are no Nautical landmarks, aeronautical aids or fixed aids to Navigation within the limits of these maps.

10. BOUNDARIES, MONUMENTS AND LINES
The only area which requires a boundary limit is the county line dividing Baldwin and Mobile counties. This line affects maps T-10972, T-10974, T-10975 and T-10977. See Boundary Report for parts 1 and 2 of Project Ph-5704 which was submitted to Washington on 3-2-59.

11. OTHER CONTROL
No monumented Topographic stations were established.
Identification of Photo-hydro stations was not required.

12. OTHER INTERIOR FEATURES
Roads and buildings have been classified on the photographs in accordance with Photogrammetric Instructions 54 and 56.
Submerged and overhead cables have been shown on the photographs.
In accordance with Project Instructions, there were no bridge or overhead cable clearances measured.

13. GEOGRAPHIC NAMES
A systematic investigation of Geographic Names was not required.
No name discrepancies were noted during field inspection and no new names are recommended.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA
Boundary Report for Parts 1 and 2 of Project Ph-5704; submitted to Washington 3-2-59.
Letter to Joseph K. Wilson from Chief, Division of Photogrammetry, dated 7 July 1959, 72/rrj.

Submitted
11 August 1959

Joseph K. Wilson
Chief, of Party
<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 FORWARD (BACK)</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
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<tr>
<td>TTS46 (601) 1939</td>
<td>P429</td>
<td>NA</td>
<td>321.679.37</td>
<td>386.285.01</td>
<td>9.8048.1</td>
<td>K. of Sheet</td>
<td>Don't Plot</td>
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<tr>
<td>TTS47 (603) 1939</td>
<td>II</td>
<td>1927</td>
<td>330.170.96</td>
<td>389.120.25</td>
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<tr>
<td>L04 (A6S) 1939</td>
<td>II</td>
<td>1939</td>
<td>341.087.58</td>
<td>386.479.39</td>
<td>10.3963 .7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COMPILATION REPORT T-10974

PHOTOGRAHAMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

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.

Drainage was delineated only when it could definitely be seen after stereoscopic examination.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline has been delineated along the edge of the swamps according to the field inspection. Several boat houses alongshore have been shown. The field inspection is adequate. A foul area of grass and logs noted by the field inspection has been delineated accordingly.

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-10973 on the west and T-10976 on the south. There is no contemporary survey to the north and east.

The area of this map manuscript falls within the northwest portion of the USGS 15-minute quadrangle BAY MINETTE, ALABAMA, scale 1:62,500, 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 USGS 15-minute quadrangle BAY MINETTE, ALABAMA, scale 1:62,000, surveyed in 1940-41. Comparison was favorable. There are no planimetric maps available in the area.

47. **COMPARISON WITH NAUTICAL CHARTS**

There is no chart covering the area.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

APPROVED AND FORWARDED

V. Ralph Sobiersalski
Tampa District Officer
46. GEOGRAPHIC NAME LIST

Names were taken from USGS BAY MINETTE, ALABAMA quadrangle.

ALABAMA

BALDWIN COUNTY
BAYOU AVALON

DEAD LAKE
DENNIS LAKE

KILCREASES LAKE

LITTLE LIZARD CREEK

MAPLE BAYOU
MIDDLE RIVER
MIFFLIN LAKE
MOBILE COUNTY

NEGRO LAKE

OWL CREEK

RED HILL CREEK

SIX BITS CREEK
SMITH BAYOU
SQUIRREL BAYOU

TENSAS RIVER
THE BASIN
THE CUTOFF

WASH BRANCH

Names approved
12-10-65
A. J. Wright
49. NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW OF ADVANCE MANUSCRIPT

T-10974


4a Classification label unclassified

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 WHS 32. Public land lines XX

MISCELLANEOUS


40. William H. Shearouse

Reviewer

William H. Shearouse

Supervisor, Review Section or 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.

Compiler

Supervisor

43. Remarks: Field edit of shoreline in March 1961 revealed no changes
Field Edit Report
(Shoreline)
Quadrangles T-10926, 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 NML was spot checked at intervals from points of known
location and found to be correct and adequate, except where noted
on the osi/lid 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-10926, 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 osi/lid
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:

Wesley V. Hall
LEO 6606
Photo Hydro Support Unit 721
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**

T-3713  1:40,000  1918
T-5530  1:20,000  1934

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**

Bay Minette  1:62,500  1941
Hurricane  1:24,000  1953
Bridgehead  1:24,000  1953

See Item 46.

64. **Comparison with Contemporary Hydrographic Surveys**

H-8588  1:10,000  1961
H-8589  1:10,000  1961
H-8590  1:10,000  1961
H-8591  1:10,000  1961

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**

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

Reviewed by:

L. C. Lande

Approved by:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Nautical Chart Division

[Signature]
Chief, Photogrammetry Division