# DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>PLANIMETRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td></td>
</tr>
<tr>
<td>Office No.</td>
<td>T-10943</td>
</tr>
</tbody>
</table>

## LOCALITY
- **State:** ALABAMA
- **General locality:** MOBILE BAY
- **Locality:** MON LOUIS ISLAND

| Date | 1957 - 1960 |

**CHIEF OF PARTY**
- Joseph K. Wilson, Chief of Field Party
- William R. Kachel, Tampa District Office

**LIBRARY & ARCHIVES**
- **DATE:** FEB 4, 1966
DESCRIPTION REPORT - DATA RECORD

L10943

Project No. (II): PH-5704  Quadrangle Name (IV):

Field Office (II): Pascagoula Mississippi  Chief of Party: Joseph K. Wilson
Photogrammetric Office (III): Tampa Florida  Officer-in-Charge: William R. Kachel

Instructions dated (II) (III):  II 23 June 1958 (Field)  Copy filed in Division of
10 Feb. 1959 (Field Suppl.1)  Photogrammetry (IV)

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)


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): JAN 12 1961  Date reported to Nautical Chart Branch (IV):

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

Publication Scale (IV): N.A. 1927  Publication date (IV):

Geographic Datum (III):

Vertical Datum (III): MHW

Vertical Datum: National except as follows:
Elevations shown as (2) 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): 316-1 Ala.Goad.Sur. 1940

Lat.:  Long.:  Adjusted

Plane Coordinates (IV):  State: Alabama  Zone: West

Y = 147,669.4  X = 304,166.1

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): M. A. Stewart, W. M. Reynolds  
Date: April 1959

Planetable contouring by (II): Inapplicable

Completion Surveys by (II): M. L. Olivier  
Date: Sept. 1960

Mean High Water Location (III) (State date and method of location): Air Photo Compilation  
Date of photography: 9 November 1957

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

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

Control plotted by (III): R. R. Wagner  
Date: Sept. 1959

Control checked by (III): V. P. Cackowski  
Date: Sept. 1959

Radial Plot of compilation manuscript  
Date: Oct. 1959

Stereoscopic Instrument compilation (III): Inapplicable  
Contours

Manuscript delineated by (III): E. T. Ogilby  
Date: Nov. 1959

of compilation manuscript  
Photogrammetric Office Review by (III): W. H. Shearouse  
Date: Dec. 1959

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

Date:
DESCRIPTIVE REPORT - DATA RECORD

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>5658h</td>
<td>9 Nov. 1957</td>
<td>11:43</td>
<td>1:10,000</td>
<td>- 0.3</td>
</tr>
<tr>
<td>56670</td>
<td></td>
<td>12:54</td>
<td></td>
<td>-0.2</td>
</tr>
<tr>
<td>56799</td>
<td></td>
<td>14:40</td>
<td></td>
<td>0.0</td>
</tr>
</tbody>
</table>

Predicted Tide (III)

Reference Station: Mobile, Mobile River

Washington Office Review by (IV):

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): 5
Shoreline (More than 200 meters to opposite shore) (III): 5 lin. mi.

Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 5
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 1
Number of Temporary Photo Hydro Stations established (III): 0

Remarks:
FIELD INSPECTION REPORT

Project ph-5704

Maps T-10940 thru T-10943

2. AREAL FIELD INSPECTION

These maps are located along Mobile Bay in a sparsely settled area south of Mobile and just east of Bayou La Batre.

There are no incorporated towns, airports, landing fields or railroads within the limits of these maps. The area is served by State Highways 59, 163 and 188. Fowl River runs through a portion of all of these maps.

The Gulf-Mobile and Ohio Railroad has been discontinued. In most places, it has been shown as dismantled. In other places it is no longer a map feature.

Bellingrath Gardens, located in map T-10942, is one of the outstanding landmarks of the area. It is visited by many thousands each year. The gardens are privately owned and admission is charged.

Field inspection has been accomplished on the following nine-lens photographs: 56580, 56594, 56670, 56855, 56857, 56858, 56859, 56786, 56787, 56788, 56789, 56790, 56791, 56799, 56800, 56801, 56802, 56797.

The 1937 nine-lens photographs were of fair quality. Some prints were very clear while others were slightly distorted. 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, within the limits of these maps, have been searched for and reported on form 526.

The following stations have been reported on form 526 as "destroyed", "lost", or "not recovered":

T-10940
331-5, Ala. Geod. S., 1940
334-1, Ala. Geod. S., 1940
304-1, Ala. Geod. S., 1940

T-10941
310-1, Ala. Geod. S., 1940
308-5, Ala. Geod. S., 1940
308-4, Ala. Geod. S., 1940
306-3, Ala. Geod. S., 1940

T-10942
328-3, Ala. Geod. S., 1940
328-1, Ala. Geod. S., 1940
304-4, Ala. Geod. S., 1940
306-5, Ala. Geod. S., 1940
306-6, Ala. Geod. S., 1940
306-7, Ala. Geod. S., 1940
315-4, Ala. Geod. S., 1940

T-10943
TAYLOR, 1935
10-63, Ala. Geod. S., 1940
JULIET, 1910
The following stations were identified in connection with control requirements for maps T-10747, T-10757 and T-10758. This data was forwarded to Washington on 12 November 1958:

JULIET, 1910
304-9, Ala. Geod. S., 1940
CROSS, 1935
328-2, Ala. Geod. S., 1940
334-2, Ala. Geod. S., 1940
334-1, Ala. Geod. S., 1940

There was no supplemental control established.

4. VERTICAL CONTROL
There are no tidal bench marks within the limits of these sheets.

5. CONTOURS AND DRAINAGE
Contouring is inapplicable.
The drainage has been delineated throughout the limits of these maps. In many areas there is no definite drainage due to the flatness of the land.

All drainage within this area is toward either Mobile Bay or Fowl River.

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. As a whole, the distinction between marsh and swamp can be easily seen. A few areas, which photographed as a light gray, are sometimes either swamp or marsh. Other areas, which photographed white are either marsh or fast land. These areas, which appear to be marsh and are not, are probably due to dead grass and unusually wet land.

7. SHORELINE AND ALONGSHORE FEATURES
The mean high-water line is both apparent and fast. It has been shown in accordance with symbols as specified in the topographic manual. The shoreline was inspected by skiff or by walking along the shore. The area, adjacent to Mobile Bay, is very shallow inshore, therefore, the field inspector walked a great portion of this shoreline during the inspection.

The low water line was not determined. There is little or no foreshore. The land area along Mobile Bay, is about 6 to 12 feet above sea level.

All docks, wharves, piers etc. have been indicated on the photographs. Submarine and overhead cables crossing navigable waters have been shown on the photographs.

Shoreline inspection has been shown on the following nine-lens photographs:
56580, 56584, 56670, 56857, 56858, 56791, 56800, 56801, 56802.

8. OFFSHORE FEATURES
Several pilings have been shown on the photographs. No other off-shore features were noted.

9. LANDMARKS AND AIDS
There are no landmarks for nautical charts, within this area.
One fixed aid to navigation was identified on the photograph. Form 567 will be submitted for it at a later date.

There are no aeronautical aids.

10. BOUNDARIES MONUMENTS AND LINES
There are no features, within the limits of these maps, which require boundaries.

Bellingrath Gardens is privately owned and no attempt was made to show its boundaries.
11. OTHER CONTROL

Two monumented topographic stations were established in map T-10943. These stations are SAND 1959 and BANK 1959. Form 524 is submitted for each. There were no photo-hydro objects identified.

12. OTHER INTERIOR FEATURES

Roads and buildings have been classified on the photographs in accordance with Photogrammetric Instructions 54 and 56.

In accordance with project instructions, there were no bridge clearances measured.

13. GEOGRAPHIC NAMES

A systematic Geographic Names Investigation was not required. Mr. William M. Reynolds submitted a Geographic Names Report for Part 1 and 2 of this project on 1-22-59. There are a few names, discussed in Mr. Reynolds report, which affect these maps.

There were no name discrepancies noted during the field inspection. One new name is recommended: BELLINGRATH GARDENS. This name is widely known and is recommended. See photograph 56857 for its location.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA


Submitted:

[Signature]

Joseph K. Wilson
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR $\phi$-COORDINATE</th>
<th>LONGITUDE OR $\lambda$-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>TAYLOR RM2</td>
<td>GKS 1927</td>
<td>NA</td>
<td>30 25' 48.853'</td>
<td>89 06' 18.701'</td>
<td>1504.3'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7935</td>
<td>County Bnd 1927</td>
<td></td>
<td>147.449.45'</td>
<td>928.06'</td>
<td>499.1'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>314-1</td>
<td>AGS 1940 45</td>
<td></td>
<td>304.466.09'</td>
<td>928.06'</td>
<td>728.9'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>308-2</td>
<td>AGS 1940 45</td>
<td></td>
<td>309.002.68'</td>
<td>928.06'</td>
<td>728.9'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 FT = 0.3048006 METER

COMPUTED BY: PES, DATE: 23 Sep 59
CHECKED BY: ETC, DATE: 23 Sep 59
COMPILATION REPORT T-10943

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928

31. DELINEATION

The graphic method of compilation was used. The field inspection and photographs were good and no difficulty was encountered. The single-lens Infragon "L" series photography furnished was used to assist in the interpretation of vegetation cover and other map details.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage including that in swamps was delineated by the field inspector, but when some of this delineation was disproved by the details on other photographs all the drainage that could not be seen was doubted. Only the drainage identified by stereoscopic examination has been shown on the manuscript. Please refer to the letter dated 10 October 1960 from Tampa District Office for more information about this.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore detail was inked on the field photographs by the field inspector. The shoreline inspection was satisfactory. There were no shoals or mean low water line indicated. Grass in water was taken from the inspection.

36. OFFSHORE DETAILS

None.
37. **LANDMARKS AND AIDS**

None.

38. **CONTROL FOR FUTURE SURVEYS**

One marked topographic station was established, for which a form 52h is submitted.

39. **JUNCTIONS**

Junctions were made with T-10941 to the north, T-10942 to the west and T-10758 to the south. The east is bounded by Mobile Bay.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with USGS Planimetric Map T-5533 scale 1:20,000 dated 1934 and Army Map Service Quadrangle CEDAR POINT scale 1:50,000 dated 1954 copied from USGS Quadrangle, scale 1:62,500 dated 1943. The only discrepancies were to be expected.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison was made with USGS Chart No. 1266, scale 1:80,000 dated Sept. 1950, revised to Nov. 1959. The chart and map compare favorably.

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

None.

**ITEMS TO BE CARRIED FORWARD**

None.

**APPROVED AND FORWARDED**

[Signature]

E. T. Ogilby
Cartographer (Photo)

[Signature]

William R. Kachel
Chief of Party
48. **GEOGRAPHIC NAME LIST**

Names were taken from the Geographic Name Quadrangle CEDAR POINT noted by L. Heck of the Washington Office and the field inspector.

ALABAMA
AUSTIN BAYOU
CEDAR PT ROAD
DELCHAMPS BAYOU
MOBILE BAY
MON LOUIS ISLAND
POINT JUDITH
STATE 163
WHITEHOUSE BAYOU

*Names approved 12 - 10 - 65*

A. J. Wright
49. NOTES FOR THE HYDROGRAPHER

None.
PHOTOGRAMMETRIC OFFICE REVIEW

T- 10943

   4a. Classification label [UNCLASSIFIED]

CONTROL STATIONS

ALONGSHORE AREAS
(Nautical Chart Data)

PHYSICAL FEATURES

CULTURAL FEATURES

BOUNDARIES

MISCELLANEOUS

William H. Shearouse
Reviewer

M. M. Slavney
Supervisor, Review Section

W. H. Shearouse
Reviewer

M. M. Slavney
Supervisor

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.

Richard [Signature]  M. M. Slavney
Compiler  Supervisor

43. Remarks:

M-2623-12
Field Edit Report
(Shoreline)
Project PH-5704
Map T-10943

Please refer to the Field Edit Report for Map T-10942 for all data pertaining to this map.

Submitted:
Michael L. Olivier
Photo Hydro Support Unit 720
<table>
<thead>
<tr>
<th>Time of day</th>
<th>Time (h. m.)</th>
<th>Height (feet)</th>
<th>Height x Ratio of ranges</th>
<th>Time (h. m.)</th>
<th>Height (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High tide</td>
<td>24 35</td>
<td>High tide</td>
<td>1.6</td>
<td>High tide</td>
<td>24 35</td>
</tr>
<tr>
<td>Low tide</td>
<td>11 04</td>
<td>Low tide</td>
<td>-0.3</td>
<td>Low tide</td>
<td>11 04</td>
</tr>
<tr>
<td>Duration of rise or fall</td>
<td>13 31</td>
<td>Range of tide</td>
<td>1.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Time and date of exposure:** Nov. 9, 1957  
**Reference station:** Mobile, Mobile River  
**Date of field inspection:** April 1957  
**Subordinate station:** March 1959  
**Diurnal Mean Range:** 1.5

<table>
<thead>
<tr>
<th>Time H.T. or L.T.</th>
<th>Required time</th>
<th>Interval</th>
<th>Ht. H.T. or L.T.</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Photo. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 04</td>
<td>1143</td>
<td>39</td>
<td>-0.3</td>
<td>0.0</td>
<td>-0.3</td>
<td>Feature bares</td>
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</tr>
<tr>
<td>1104</td>
<td>1254</td>
<td>150</td>
<td>-0.3</td>
<td>0.1</td>
<td>-0.2</td>
<td>Feature bares</td>
<td>56670</td>
</tr>
<tr>
<td>1104</td>
<td>1440</td>
<td>3361</td>
<td>-0.3</td>
<td>0.3</td>
<td>0.0</td>
<td>Feature bares</td>
<td>56799</td>
</tr>
</tbody>
</table>

Computed by:  
Checked by: 115
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-3712</td>
<td>1:40,000</td>
<td>1918</td>
</tr>
<tr>
<td>T-3713</td>
<td>1:40,000</td>
<td>1918</td>
</tr>
<tr>
<td>T-5716</td>
<td>1:10,000</td>
<td>1919</td>
</tr>
<tr>
<td>T-5532</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-5533</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
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There are cultural and shoreline changes due to the differences in time interval. T-19036 thru T-16943 are to supersede the above surveys of common area.

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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Scale</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Theodore</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
<tr>
<td>Hollingers</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
<tr>
<td>Caden</td>
<td>1:24,000</td>
<td>1956</td>
</tr>
<tr>
<td>Bellefontaine</td>
<td>1:24,000</td>
<td>1956</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-8573</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8575</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8561</td>
<td>1:10,000</td>
<td>1961</td>
</tr>
<tr>
<td>H-8587</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 differences of importance exist.

65. **Comparison with Nautical Charts**

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Date</th>
</tr>
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<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 maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

[Signature]

L. C. Lande

Approved by:

[Signature]

Chief, Photogrammetric Branch

[Signature]

Chief, Nautical Chart Division

[Signature]

Chief, Photogrammetry Division