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<tr>
<td></td>
<td>Joseph K. Allison, Chief Party 720 Arthur F. Haddock, Tampa District Office</td>
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<table>
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<th>LOCALITY</th>
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<tr>
<td>GREAT POINT CLEAR</td>
<td>ALABAMA</td>
<td>MOBILE BAY</td>
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<th>Type of Survey</th>
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<tr>
<td>Field No.</td>
<td>10985</td>
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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Original
DESCRIPTIVE REPORT - DATA RECORD

T-10985

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

Field Office (II): Fairhope Alabama  Chief of Party: Joseph K. Wilson

Photogrammetric Office (III): Tampa, Florida  Officer-in-Charge: Arthur L. Hardwell

Field: 23 June 1958

Instructions dated (II) (III): Field Supplement I - 10 Feb. 1959
Field Supplement II - 17 Aug. 1959

Location of Aids to Navigation dated 7 Oct. 1959
Office: 7 April 1959
Field Supplement III - 10 Nov. 1959

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000  Stereoscopic Plotting Instrument Scale (III):

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): Publication date (IV):

Geographic Datum (III): N.A. 1927  Vertical Datum (III): M.D.

Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): CLEAR 2 1935

Lat.: 30°28'58.823" (1811.4 m)  Long.: 87°56'11.038" (2914.4 m)

Adjusted

Plane Coordinates (IV):  State:  Zone:

Y=  X=

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)

(I) (II) (III)

Inapplicable
DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II):  W. M. Reynolds
Matthew A. Stewart

Date: Sept. - Oct. 1959

Planetary contouring by (II):  Inapplicable

Date:

Completion Surveys by (II):  W. M. Reynolds

Date: June 1961

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

Date of Photography: 19 Nov. 1957

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

Date: Dec. 1959

Projection and Grids checked by (IV):  Shoup (W.O.)

Date: Dec. 1959

Control plotted by (III):  V. Cackowski

Date: April 1960

Control checked by (III):  M. CARVER

Date: April 1960

Radial Plot or Extrosection

Date: May 1960

Instrument compilation (III):  Inapplicable

Contours

Date:

Manuscript delineated by (III):  I. I. Saperstein

Date: June 1960

Photogrammetric Office Review by (III):  W. H. Shearouse

Date: July 1960

Elevations on Manuscript

checked by (II) (III):

Date:
**DESCRIPTIVE REPORT - DATA RECORD**

**Camera (kind or source) (III):** U.S.C. & G.S. 9-lens

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<td>57034</td>
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**Predicted Tide (III):**

Reference Station: MOBILE
Subordinate Station: GREAT POINT CLEAR, MOBILE BAY

Washington Office Review by (IV):
Final Drafting by (IV): Scribed L.L. Graves, Scribed C.C. Harris
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

**Diurnal**

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Date: Feb. 1962
Date: Apr. 1962

**Land Area (Sq. Statute Miles) (III):** 12
**Shoreline (More than 200 meters to opposite shore) (III):** 8 Linear miles
**Shoreline (Less than 200 meters to opposite shore) (III):**
**Control Leveling - Miles (II):**
**Number of Triangulation Stations searched for (II):** 18
**Recovered:** 7***
**Identified:** 7***
**Number of BMs searched for (II):** 1
**Recovered:** 1
**Identified:** 1

**Number of Recoverable Photo Stations established (II):**
**Number of Temporary Photo Hydro Stations established (III):** 0
**Number of Marked Topographic Stations established:** 1

**Remarks:**
* Including 5 stations East and West of project limits.
** POINT CLEAR GRAND HOTEL W.T. was established in 1959 but no Form 525b was submitted.
*** Includes 1 station West of project limits.
Please refer to the Field Inspection Report for Map T-10987 for all data pertaining to this map.

Submitted:
NOV. 6, 1959
Joseph K. Wilson
Chief, Photo Party 720
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<th>LONGITUDE OR $\lambda$-COORDINATE</th>
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<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN Meters</th>
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1 FT = 304.8066 METER
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<td>Pl 2911.5</td>
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<td>367.306.24</td>
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1 FT = 0.03048066 METER

COMPUTED BY: ___________________________ DATE: __________

CHECKED BY: ___________________________ DATE: __________
COMPILATION REPORT
T-10985

PHOTOGRAHMETRIC PLOT REPORT

Submitted with T-10984

31. DELINEATION

The graphic method was used.

The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate except some of the shoreline along Pt. Clear Creek was difficult to discern because of high trees and the shadows cast from them.

No low water or shoal lines were shown, none being noted by the field inspector.

36. OFFSHORE DETAILS

The only offshore details are stakes, pier ruins and diving platforms.

37. LANDMARKS AND AIDS

One landmark has been established. One aid to navigation, GREAT POINT CLEAR LIGHT falls west of the manuscript but is listed on the Form 567 submitted in July 1960.
To:        Chief, Photogrammetry Division
Coast and Geodetic Survey
Washington, D. C.

Subject: Drainage - PH-5704 MOBILE BAY

The greater portion of the drainage in subject project consists of narrow fingers of swamp (500-1500 Ft. wide) with a perennial stream meandering through the swamp. The field inspector has complied with project instructions by delineating this drainage on the field photographs. Due to the density of the swamp trees, it is impossible to see the stream beds except for occasional short stretches.

We have carefully examined all the streams under the stereoscope on various office photographs. Comparison with the U. S. Geological Survey quadrangles indicates their drainage delineation to be more accurate than our field party's delineation. (Reference copy of memorandum to Wilson attached). One sample area has been returned to the field party and our conclusions were verified for that one particular stream.

We do not believe the streams warrant the expense of the field party traversing them for accurate location, neither do we believe they should be mapped unless their position is fairly accurate. It appears that this drainage has been delineated on the field photographs without an adequate check with U.S.G.S. quadrangles and/or actual field investigation even though considerable time was probably spent on this phase of the field work. Considerable time has also been spent studying these discrepancies in the office.

It is suggested that the field parties be informed of a definite policy on how much time should be spent on accurately locating drainage, omitting it entirely, or using P.D.U.

On this project, since the narrow fingers of swamp indicate the drainage pattern fairly well, and the streams can be identified only in short stretches, we are omitting them as a whole.

Survey T-10938 is being scibed and will be forwarded in approximately four (4) weeks. The foregoing discrepancies will be noted on various field photographs for your attention.

It is thought that bringing this matter to your attention might eliminate similar difficulties in future projects.

(signed) William R. Kachel
ICRF, C&GS
Tampa District Officer
38. **CONTROL FOR FUTURE SURVEYS**

One recoverable topographic station has been established and Form 524 submitted. This station has been listed under Item 49.

39. **JUNCTIONS**

Junction has been made with the following: T-10981 to the north, T-10986 to the south, Mobile Bay to the west. No contemporary survey to the east.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

Comparison has been made with U.S.G.S. quadrangle POINT CLEAR, scale 1:24,000, topography in 1956. There are no appreciable changes. Comparison has also been made with Air Photo Compilation T-5529, 1:20,000 dated 1034; many cultural changes have occurred since its compilation.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with Chart 1266, scale 1:80,000, revised 16 Nov. 1959. The maps listed under Item 46 are probably the source of topography for the chart, except the chart has labeled the swamp areas along the coast Marsh.

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

None.

**ITEMS TO BE CARRIED FORWARD**

None.

Approved and Forwarded:

William A. Rasula
For Arthur L. Wardwell
Chief of Party

{Signature}
I. I. Saperstein
Cartographer (Photo)
**GEORGIC NAME LIST**

Names were taken from the POINT CLEAR quadrangle.

- ALABAMA
- ANNE YORK CEMETERY
- ANTIOCH CHURCH
- BAILEY CREEK
- BATTLES WHARF
- BETHEL CHURCH AND CEMETERY
- CALDWELL SWAMP
- CONFEDERATE REST CEMETERY
- DIXIE ROAD
- EASTERN SHORE BOULEVARD
- GHOST HEAD SWAMP
- GREAT POINT CLEAR
- GREENO BOULEVARD
- LAKEWOOD COUNTRY CLUB
- LILY LAKE
- MOBILE BAY
- POINT CLEAR
- SACRED HEART CHURCH
- TITI SWAMP
- TURKEY BRANCH
- TWIN BEACH CEMETERY
- U. S. HIGHWAY 98
- WATERHOLE BRANCH

*Names checked and approved*

12 - 10 - 65

A. J. Wright
19. NOTES FOR THE HYDROGRAPHER

One (1) recoverable topographic station has been established.

BANK, 1959.
PHOTOMGRAMMETRIC OFFICE REVIEW
OF ADVANCE COMPILATION MANUSCRIPT
T. 10985


4a Classification label Unclassified

CONTROL STATIONS


ALONGSHORE AREAS

(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS


40. W.W. Dawsey

Reviewer

M. M. Slavney

Supervisor, Review Section of 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.

I.I. Saperstein

Compiler

M. M. Slavney

Supervisor

43. Remarks:
FIELD EDIT REPORT
Maps T-10983 thru T-10986
Project Ph-5704

51. METHODS

Field edit of the above manuscripts was limited to the areas immediately along the shoreline. The area was traversed by skiff running close to shore. The completeness of the compilation was checked and all additions or corrections have been noted.

One field edit sheet was used for each manuscript. All additions or corrections have been noted on the field edit sheet and cross-referenced to the field photographs. The additions consisted mainly of adding piers, which have been constructed since photography. All additions or corrections have been noted with violet ink on both the field edit sheet and the field photographs. The following field photographs were used during field edit: 56879, 56880, 56882, 57021, and 57022.

52. ADEQUACY OF COMPILATION

Measurements were taken to the mean high water line to check its delineation on the manuscripts. In most cases the delineation, as shown on the manuscript, is correct. The buildings, piers, etc., were checked visually and after application of the field edit information; the compilation will be adequate.

53. MAP ACCURACY

The area along the shoreline was checked and appears to be good.

54. RECOMMENDATIONS

None are offered.

55. EXAMINATION OF PROOF COPY

None of the people contacted during field edit were considered qualified to adequately read or correct a map. Therefore, none are recommended.

Submitted
William M. Reynolds
Sub. Unit Photo Party 720
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<th>Time</th>
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<th>Height x Ratio of ranges</th>
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<td>Duration of rise or fall</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Time H. T. or L. T.</th>
<th>h. m.</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>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
<th>Feature bares</th>
<th>Stage of tide above MLW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required time</td>
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</tbody>
</table>

Computed by 115  Checked by 590.
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 charts 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-5528</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-5529</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<tr>
<td>T-5530</td>
<td>1:20,000</td>
<td>1934</td>
</tr>
<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>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridgehead</td>
<td>1:34,000</td>
<td>1953</td>
</tr>
<tr>
<td>Daphne</td>
<td>1:24,000</td>
<td>1953</td>
</tr>
<tr>
<td>Point Clear</td>
<td>1:24,000</td>
<td>1956</td>
</tr>
<tr>
<td>Weeks Bay</td>
<td>1:32,500</td>
<td>1950</td>
</tr>
</tbody>
</table>

See Item 46.

64. **Comparison with Contemporary Hydrographic Surveys**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
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</tr>
</thead>
<tbody>
<tr>
<td>H-8562</td>
<td>1:10,000</td>
<td>1960</td>
</tr>
<tr>
<td>H-8574</td>
<td>1:10,000</td>
<td>1960</td>
</tr>
<tr>
<td>H-8588</td>
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<td>1961</td>
</tr>
<tr>
<td>H-8635</td>
<td>1:10,000</td>
<td>1961</td>
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<td>H-8636</td>
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<td>1961</td>
</tr>
<tr>
<td>H-8592</td>
<td>1:10,000</td>
<td>1960</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

1266  1:80,000  1965

Differences exist; however, these are to be applied immediately.

66. Adequacy of Results and Future Surveys

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

Reviewed by

[Signature]
E.C. Lande

[Signature]
L.C. Lande

Chief, Photogrammetric Branch  Chief, Nautical Chart Division

[Signature]
F. B. Woodcock

Chief, Photogrammetry Division