# DESCRIPCIVE REPORT

**Type of Survey**  PLANIMETRIC

**Field No.**  **Office No.**  T-10980

**LOCALITY**

**State**  ALABAMA

**General locality**  BALDWIN COUNTY

**Locality**  BAY MINETTE

1957-1961

**CHIEF OF PARTY**

Joseph K. Wilson, Chief of Field Party
V. R. Sobieralski, Tampa District Office

**LIBRARY & ARCHIVES**

**DATE**
DESCRIPTIVE REPORT - DATA RECORD

T-10980

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. Ralph 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

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): 9/29/59

Date reported to Nautical Chart Branch (IV): FEB 1, 1962

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

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Reference Station (III): Dixon 1935

Lat.: 30°44'42.473" (1308.0 m) Long.: 87°53'13.532" (838.7 m)

Plane Coordinates (IV):

Y = 271,198.87

X = 376,824.02

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): Joseph K. Wilson  
W. M. Reynolds  
M. A. Stewart  
Date: Sept. 1959

Planetary contouring by (II): Inapplicable

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

Mean High Water Location (III) (State date and method of location): Air photo compilation  
Date of photography: 19 and 20 Nov. 1957

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

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

Control plotted by (III): R. E. Smith  
Date: Apr. 1960

Control checked by (III): V. P. Cackowski  
Date: Apr. 1960

Radial Plot: Inapplicable

Control extension by (III): R. R. Wagner  
Date: June 1960

Stereoscopic Instrument compilation (III): Inapplicable

Planimetry Contours

Manuscript delineated by (III): W. W. Dawsey  
Date: July 1960

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

Elevations on Manuscript checked by (II) (III): Inapplicable
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>56886</td>
<td>19 Nov. 1957</td>
<td>15:51</td>
<td>1:10,000</td>
<td>Tide could not be accurately computed because of the distance to a station.</td>
</tr>
<tr>
<td>56887</td>
<td>&quot;</td>
<td>15:52</td>
<td>&quot;</td>
<td></td>
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<tr>
<td>57014</td>
<td>20 Nov. 1957</td>
<td>11:24</td>
<td>&quot;</td>
<td></td>
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<tr>
<td>57015</td>
<td>&quot;</td>
<td>11:25</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

There is no tide station for this area.

Reference Station:
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV): W. W. Dawsey (Tampa District Office) Reviewed: Wm. 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): 13
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 9 Recovered: 3 Identified: 2
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:
2. AREAL FIELD INSPECTION

These maps are located in southwest Alabama, just north and east of the city of Mobile and entirely within the county of Baldwin.

The Tensaw River runs north-south through all of these maps with the exception of T-10980. The Blakely River runs north-south through map T-10980. The Louisville and Nashville Railroad crosses T-10976 in an east-west direction.

Map T-10979 is an area consisting of mostly marsh and swamp. The other maps are sparsely settled, wooded and hilly, and have only a few secondary roads.

The Mobile Reserve Fleet has anchored a number of their ships along the Tensaw River.

Field inspection was accomplished on the following nine-lens photographs: 56886 thru 56893, 56971 thru 56973 and 57007 thru 57015.

The 1937 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 a number of stations outside the limits of maps T-10976, T-10978 and T-10980.

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

T-10976

NEW ORLEANS—ATLANTA AIRWAY BEACON No. 14, 1935
-329, Ala. Geod. S., 1936
-330, Ala. Geod. S., 1936
-331, Ala. Geod. S., 1936
-332, Ala. Geod. S., 1936
-598, Ala. Geod. S., 1939
634, Ala. Geod. S., 1940
635, Ala. Geod. S., 1940

T-10978

325, Ala. Geod. S., 1936
326, Ala. Geod. S., 1936
558, Ala. Geod. S., 1938
629, Ala. Geod. S., 1940
630, Ala. Geod. S., 1940

T-10979

NEW ORLEANS — ATLANTA AIRWAY BEACON No. 13, 1935

T-10980

255, Ala. Geod. S., 1936
256, Ala. Geod. S., 1936
301, Ala. Geod. S., 1936
302, Ala. Geod. S., 1936
303, Ala. Geod. S., 1936
304, Ala. Geod. S., 1936
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, 73/rrj. Stations affected by the single-lens photographs are: 327, Ala. Geod. S., 1936, 599, Ala. Geod. S., 1939, 633, Ala. Geod. S., 1940 and 636, Ala. Geod. S., 1940.

The identification of control generally met the requirements as furnished by the Washington Office on a Project Index.

The airway beacon in Map T-10979 is destroyed and we were unable to establish its old position from the remains of the foundation.

Station MINETTE, 1897 was not identified. It is located in a wooded section and would have been very difficult to select a suitable substitute point. We have identified two other stations nearby which are believed to be adequate.

The Resettlement Administration Mark, plotted on the Project Index, is in error.

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.

These sheets, with the exception of Map T-10979, have a definite system of drainage. The ground is hilly, sloping toward the Tensaw River. 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

The shoreline is mostly apparent. It has been indicated by symbols on the photographs.

No attempt was made to show the low-water line. There is little or no foreshore. There are considerable areas of snags and logs near shore which have been indicated as foul areas.

Shore ends of submarine and overhead cables have been indicated on the photographs. All docks, piers, etc. have been shown.

Shoreline inspection was accomplished on the following nine-lens photographs: 56886 thru 56893, 56971 thru 56973, 57007 thru 57009, 57011 and 57015.

8. OFFSHORE FEATURES

There were no offshore features noted.

9. LANDMARKS AND AIDS

There are no nautical landmarks or aeronautical aids.

Two privately maintained lights and a front and rear range daybeacon are shown on the photographs. Form 152 is submitted for the point on range.

Form 567 will be submitted at a later date.
10. **BOUNDARIES, MONUMENTS AND LINES**

There are no areas within the limits of these maps which require boundary limits. The building and property used by the Maritime Commission is not owned by the Government or State.

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 bridges 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**


Submitted:
23 September 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</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>SCALE FACTOR</th>
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<tr>
<td>301 (AGS) 1936</td>
<td>“P” 30 1927</td>
<td>N.A</td>
<td>263.799.85</td>
<td>271.844.45</td>
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<td>100PC</td>
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<tr>
<td>302 (AGS) 1936</td>
<td>“P” 30 1927</td>
<td>“P” 30 1927</td>
<td>262.837.19</td>
<td>273.815.35</td>
<td>80112.9</td>
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<td></td>
<td></td>
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<tr>
<td>304 (AGS) 1936</td>
<td>“P” 30 1927</td>
<td>“P” 30 1927</td>
<td>257.373.03</td>
<td>274.117.82</td>
<td>78447.5</td>
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<td></td>
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<tr>
<td>305 (AGS) 1936</td>
<td>“P” 30 1927</td>
<td>“P” 30 1927</td>
<td>254.475.90</td>
<td>273.621.38</td>
<td>7754.4</td>
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<tr>
<td>306 (AGS) 1936</td>
<td>“P” 30 1927</td>
<td>“P” 30 1927</td>
<td>254.502.03</td>
<td>273.285.31</td>
<td>7757.4</td>
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<tr>
<td>DIXON 1935</td>
<td>“P” 30 1927</td>
<td>“P” 30 1927</td>
<td>271.198.87</td>
<td>276.824.02</td>
<td>82461.6</td>
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</table>

1 FT = 0.304800 METER

COMPUTED BY: RJP
DATE: Nov 6 1959
CHECKED BY: WWD
DATE: Jan 18 1960
COMPILATION REPORT T-10980

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10928.

31. DELINEATION

The graphic method was used. The photographs were generally of poor scale.

The field inspection was adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated by the field inspector, but when some of the inspection was disproved by detail on other photographs, in swamp area, all the drainage that could not be seen was doubted. Only drainage identified by thorough stereoscopic examination has been shown on the manuscript. Please refer to the letter on DRAINAGE, PH-5704 to Chief, Photogrammetry Division from Tampa District Office.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details have been delineated according to field inspection notes, which were adequate. There are no low-water or shoal lines.

36. OFFSHORE DETAILS

None.
37. **LANDMARKS AND AIDS**

None.

38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

Junctions have been made with T-10982 to the south, T-10979 to the west, and T-10978 to the north.

USGS Quadrangle STAPLETON ALA, scale 1:24,000 revised in 1953, joins on the east. Junctions of streams and roads between latitude 30°41'2" and 30°41'5" were not in agreement by as much as 2 mm. Delineation has been carried beyond the neat line for information of the Washington Office reviewer.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with the USGS Quadrangle BRIDGEHEAD ALA, scale 1:24,000 revised to 1953. In general the agreement is satisfactory. However, near the eastern limits there are some discrepancies which are mentioned under Item 39.

Comparison was made with C&GS Air Photo Compilation T-5530 scale 1:20,000. Comparison of shoreline was favorable except for changes due to the passage of time.
47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No 1266, scale 1:80,000, edition of 16 Nov. 1959 corrected to 23 July 1960. The comparison was generally good. The maps mentioned under Item 46 were probably the source, in the most part, for this chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

W. W. Dawsey
W. W. Dawsey
Cartographer (Photo)

APPROVED AND FORWARD

V. Ralph Sobieralski
V. Ralph Sobieralski
Chief of Party
48. GEOGRAPHIC NAME LIST

Nautical Chart 1266 and USGS Quadrangle BRIDGEHEAD were the sources for the geographic names.

ALABAMA
APALACHEE RIVER

BALDWIN COUNTY
BAY MINETTE
BAY MINETTE BASIN
BAY MINETTE CREEK
BAPTIZING BRANCH
BIG ISLAND
BLAKELEY
BLAKELEY BRANCH
BLAKELEY CEMETERY
BLAKELEY RIVER
BOGGY BRANCH
BUZBEE LANDING

CEDAR POINT
COLEMAN SPRING BRANCH
CYPRESS POINT

FICKLING BRANCH
FOOTLOG BRANCH

HAMMOCK BRANCH
JUSTINS BAY
KINGS BATTERY

LIVE OAK LANDING
MILITARY BRIDGE LANDING
MUDDY BRANCH

SIBLEY CREEK
SHAY BRANCH
SALUDA RIDGE

TENSAW RIVER
THE CUTOFF
THOMPSON SPRING BRANCH

WILKINS CREEK
YANCEY BAY

Name checked and approved
12-10-65
A.J. Wright
NOTES FOR THE HYDROGRAPHER

None.
<table>
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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tr>
<td>All planimetry compiled</td>
<td>July 1960</td>
<td>Superseded</td>
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<tr>
<td>Revised from alongshore field edit</td>
<td>July 1961</td>
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<td>Classification label</td>
<td>5. Horizontal control stations of third-order or higher accuracy</td>
<td>6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)</td>
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<tr>
<td>----------------------</td>
<td>---------------------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td><strong>XX</strong></td>
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<td>12. Shoreline</td>
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<td>16. Aids to navigation</td>
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<td>20. Water features</td>
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<td><strong>WS</strong></td>
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<td>22. Planetary contours</td>
<td><strong>XX</strong></td>
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<td>24. Contours in general</td>
<td><strong>XX</strong></td>
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<td>26. Other physical features</td>
<td><strong>WS</strong></td>
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</tr>
<tr>
<td>27. Roads</td>
<td><strong>WS</strong></td>
<td><strong>WS</strong></td>
</tr>
<tr>
<td>28. Buildings</td>
<td><strong>WS</strong></td>
<td><strong>XX</strong></td>
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<tr>
<td>29. Railroads</td>
<td><strong>XX</strong></td>
<td><strong>XX</strong></td>
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<td>30. Other cultural features</td>
<td><strong>WS</strong></td>
<td><strong>WS</strong></td>
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<td>31. Boundary lines</td>
<td><strong>XX</strong></td>
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<td><strong>WS</strong></td>
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<td>33. Geographic names</td>
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<td>35. Legibility of the manuscript</td>
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<td>37. Discrepancy overlay</td>
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<td>38. Field inspection photographs</td>
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<td><strong>WS</strong></td>
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<tr>
<td>39. Forms</td>
<td><strong>WS</strong></td>
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</tbody>
</table>

40. Field completion additions and corrections to the manuscript: Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.

Signature of reviewer: [Signature]

Signature of compiled: [Signature]

Signature of supervisor: [Signature]
Field Edit Report  
(Shoreline)  
Quadrangles T-10922, T-10973,  
T-10974, T-10975, T-10976,  
T-10977, T-10978, T-10979.

51. Methods

The shoreline was inspected by truck and skiff. The distance  
to the MATL was spot checked at intervals from points of known  
location and found to be correct and adequate, except where noted  
or 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-10926, T-10973, T-10974, T-10975, T-10976, T-10977, T-10978,  
T-10979; on nine lens photographs 56987, 56983, 56940, 56950, 56944,  
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:

[Signature]
Nesley H. Hull
LTG 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>Survey</th>
<th>Scale</th>
<th>Year</th>
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</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>
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</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>
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<tr>
<th>Agency</th>
<th>Scale</th>
<th>Year</th>
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<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>
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</table>

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys

<table>
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<tr>
<th>Survey</th>
<th>Scale</th>
<th>Year</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>
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<th>Chart</th>
<th>Scale</th>
<th>Year</th>
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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 surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

L. C. Lande

Approved by:

Charles Heiser
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

F. W. Woodworth
Chief, Photogrammetry Division