DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
Topographic | Sheet No. T-5783
Hydrographic

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
SEP 18 1940

State FLORIDA

LOCALITY
GULF COAST
APALACHEE BAY
ECONFINA RIVER
AND VICINITY

Photograph taken Dec 3, 1939

1940

CHIEF OF PARTY
Kenneth G. Crosby
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETiC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. ..................

REGISTER NO. T-5763

State........Florida

General locality........West Coast, Florida, Gulf Coast, Apalachee Bay

Locality........Sanfina River, and Vicinity

Scale........1:20,000 Date of Survey........December 3, 1939

Verified........Air Photographs Party No. 1

Chief of party........Lieut. Kenneth C. Crosby

Field Inspected

Surveyed by........George W. Isaacs

Inked by........Jesse A. Giles

Heights in feet above..........to ground to tops of trees

Contour, Approximate contour, Form line interval........feet

Instructions dated.............April 2, 1940

Remarks:.................................................................

..................................................................................

..................................................................................

..................................................................................
### SUPPLEMENTARY LAB. C.

<table>
<thead>
<tr>
<th>Task</th>
<th>Person</th>
<th>Dates</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Surveys</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Planetary Survey</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td>0</td>
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### V. DESCRIPTION

<table>
<thead>
<tr>
<th>Task</th>
<th>Person</th>
<th>Dates</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparation of Photographs</td>
<td>Tampa Office Personnel</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Field Work</td>
<td>G.W.L</td>
<td>Jan. - Feb.</td>
<td>80</td>
</tr>
<tr>
<td>Indexing Notes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Coast Pilot Notes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geophysical Map Report</td>
<td>G.W.L</td>
<td>March</td>
<td>40</td>
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<tr>
<td>Landmarks for Charts</td>
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<tr>
<td>Description Cards</td>
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<tr>
<td>Recovery Notes</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td>132</td>
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### L.L. RADIAL PLOT

<table>
<thead>
<tr>
<th>Task</th>
<th>Person</th>
<th>Dates</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Scale Plot</td>
<td>K.G.C. - E.L.J.</td>
<td></td>
<td>29</td>
</tr>
<tr>
<td>Projection on Base Sheet</td>
<td>S KASS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projection on Survey Sheet</td>
<td>ruling machine</td>
<td>April 26</td>
<td></td>
</tr>
<tr>
<td>Control Plotted</td>
<td>E.L.J.</td>
<td>May 2</td>
<td></td>
</tr>
<tr>
<td>Control Checked</td>
<td>K.G.C.</td>
<td>May 2</td>
<td></td>
</tr>
<tr>
<td>Control Trans. to Base Sheet</td>
<td>E.L.J.</td>
<td>May 2</td>
<td></td>
</tr>
<tr>
<td>Transfer Checked</td>
<td>K.G.C.</td>
<td>May 2</td>
<td></td>
</tr>
<tr>
<td>Control picked on Photographs</td>
<td>Entire Tampa</td>
<td>April</td>
<td>220</td>
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<tr>
<td>Control check on Photographs</td>
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<td></td>
</tr>
<tr>
<td>Hydro. &amp; Topo. Stations picked</td>
<td>Office Personnel</td>
<td></td>
<td></td>
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<tr>
<td>Radial Points picked</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjacent centers picked</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Templates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radial Plot</td>
<td>K.G.C. - E.L.J.</td>
<td>May 1-6 &amp; June 11</td>
<td></td>
</tr>
<tr>
<td>Radial Points transferred</td>
<td>E.L.J.</td>
<td>May 6 &amp; June 11</td>
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</tr>
<tr>
<td>Transfer checked</td>
<td>H.S.B.</td>
<td>May 6 &amp; June 11</td>
<td></td>
</tr>
<tr>
<td>R &amp; T Stations ruled &amp; sh'fd</td>
<td>K.G.C. - J.A.G.</td>
<td>June 11-Aug. 3</td>
<td>45</td>
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<td>Additional Radial Points</td>
<td>J.A.G.</td>
<td>June 11-Aug. 3</td>
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<td></td>
<td><strong>Total</strong></td>
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<td>297</td>
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### DATING

<table>
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<tr>
<th>Task</th>
<th>Person</th>
<th>Dates</th>
<th>Hours</th>
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<tr>
<td>Rough Draft</td>
<td>J.A.Giles</td>
<td>June 6 - Aug. 6</td>
<td>174</td>
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<tr>
<td>Smooth Draft</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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<td>174</td>
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### COMPIlATION

<table>
<thead>
<tr>
<th>Task</th>
<th>Person</th>
<th>Dates</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Name Overlay</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Descriptive Report</td>
<td>J.A.G. - K.G.C.</td>
<td>Aug. 5 - Sep. 5</td>
<td>21</td>
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<tr>
<td>Field Review</td>
<td>K.G.C.</td>
<td>Aug. 27 - Sep. 5</td>
<td>18</td>
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<td></td>
<td><strong>Total</strong></td>
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<td>39</td>
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</table>

### Total Time spent on Sheet

642 hours
PHOTOGRAPHS

<table>
<thead>
<tr>
<th>Photograph</th>
<th>Date</th>
<th>Time</th>
<th>Stage of Tide</th>
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</thead>
<tbody>
<tr>
<td>3762</td>
<td>Dec. 3, 1939</td>
<td>12:48 p.m.</td>
<td>Mean Low Water</td>
</tr>
<tr>
<td>3763</td>
<td>Dec. 3, 1939</td>
<td>12:49 p.m.</td>
<td>Mean Low Water</td>
</tr>
<tr>
<td>3764</td>
<td>Dec. 3, 1939</td>
<td>12:51 p.m.</td>
<td>Mean Low Water</td>
</tr>
<tr>
<td>3769</td>
<td>Dec. 3, 1939</td>
<td>1:43 p.m.</td>
<td>Mean Low Water</td>
</tr>
<tr>
<td>3790</td>
<td>Dec. 3, 1939</td>
<td>1:44 p.m.</td>
<td>Mean Low Water</td>
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<td>3791</td>
<td>Dec. 3, 1939</td>
<td>1:45 p.m.</td>
<td>Mean Low Water</td>
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</tbody>
</table>

Tide from predicted tables for: Rock Island, Florida.

Camera: U.S. Coast and Geodetic Survey Nine-Lens (focal length 8½ inches.)
Negatives on file at Washington Office.

FIELD INSPECTION ... Feb. 1940

SCALE
Mean scale of Photographs: 1:20,000 ± 0.999
Scale of Survey Sheet: 1:20,000

STATISTICS
Area (land): 85.70 Square statute miles
Shoreline (more than 200 m. from opposite shore): 15.07 Statute miles
Shoreline (Creeks): 183.54 Statute miles
Roads, streets, trails, and railroads: 66.20 Statute miles

REFERENCE STATION
Station: ECONFENEE NO. 2, 1933
Datum: North American, 1927
Latitude: 30° 02' 41.653''
(1262.5m) (Adjusted)
Longitude: 85°55' 07.961''
(215.3m)
X coordinate: 2,183,968.28
Y coordinate: 350,456.01

Details on T-5783 are of the date of the photographs, Dec 3, 1939 except for triangulation and topographic stations.
Topographic stations were identified and marked by field inspections in Feb. 1940.
DESCRIPTIVE REPORT

to accompany

SHEET NO. T-5783

GENERAL

This sheet was compiled in accordance with "Instructions for Drafting Air Photographic Surveys, Project H. T. 242" dated April 3, 1940.

The general locality of the area covered by this survey sheet is Florida, West Coast, in the vicinity of Econmins River. The terrain, in general, is flat and mostly wet, being either swamp or marsh save for the scattered dry areas composed of palmettos, grass, mixed pine and deciduous trees. The shoreline is made up of marsh, which merges into swamp that is composed of live oak, water oak, gum, ash, palms and cypress.

CONTROL

There are three control stations on this sheet. They are triangulation stations SCANLON, ECOnFENKE -2, and ROCK ISLAND -2 and were established in 1933 by Lieut. H. G. Warwick.

The location of the azimuth marks for triangulation stations ECOnFENKE -2 (1933) and ROCK ISLAND -2 (1933) were obtained by the radial plot method. The geodetic azimuth as shown in the list of geographic positions for these stations was plotted on the sheet after the azimuth marks had been located and were found to be in agreement.

No errors were found in the location of the control stations by the photographic plot nor in the plotting of the stations on the field prints: No stations established by other organizations were used for control.

MAIN RADIAL PLOT

Two main radial plots formed a junction on this sheet. Radial plot No. 1 was a continuous plot covering Sheet No. T-5780, T-5781, T-5782 and the western half of this sheet ending at photograph No. 3763 and 3790. Radial plot No. 2 was a continuous plot covering the south and eastern half of this sheet, sheets No. T-5764, T-5765, T-5766 and the north part of sheet No. T-5787. It extended from photographs No. 3763 and 3790 as a northern limit to photographs No. 3757 and 3798 as a southern limit.

The triangulation was plotted on the survey sheets and transferred to the base grid sheets by adjusting to each grid square. Since both the survey sheets and the base grid sheets were of the same type celluloid and were prepared on the ruling machine in the Washington Office, there was no perceptible adjustment necessary in the transfer.

Celluloid templates were prepared in accordance with "Notes on Radial Plotting Nine-Lens Air Photographs", dated April 9, 1940. The recommendation of making an ink mark on the template to indicate the position of the point on the photograph proved to be a great aid in determining which of the photographs were
tilted and should be laid last on the plot. Short sections of the mask lines were drawn on the templates in blue ink. These lines were not transferred to the survey sheet for orientation purposes since more radial points were located in each chamber on the main radial plot than were recommended. The templates were laid on the base grid sheets and securely taped to the plotting table.

The radial points were transferred from the plot by placing the survey sheet over the plot and transferring the points in each grid square. The points located by three or more intersecting radials were picked on the survey sheet and circled in blue (2.5 mm in diameter) on the back. Where poor intersections occurred or where only two cuts could be obtained, the radial lines were transferred to the survey sheet and inked in green on the back of the sheet for investigation with the photographs. Grid intersections were inked on the survey sheet with celluloid ink after the radial points had been transferred and checked.

Templates controlled by three or more triangulation stations were first laid on the plot and since these were quite evenly spaced throughout the plot they formed good control for the remaining templates. Both main plots gave good agreement for radial points independently determined but common to the two main plots except for several points in the vicinity of the bend in the Econina River northward from triangulation ECONINEE -2. Satisfactory agreement was obtained after a slight adjustment of azimuth was made.

Flight lines and radial lines to adjacent centers were in good agreement throughout both main plots and no large or unusual adjustments were necessary.

The hydrographic signals, topographic stations and radial points in the areas well controlled by sufficient photographs, are believed to be located within 0.25 mm of their true position. Radial points encircled in green on the back of the sheet may be in error as much as 0.4 mm.

Various colored inks were used on the photographs and the survey sheet to designate triangulation stations, topographic and hydrographic stations and radial points. The following key is furnished for future reference:

**Photographs**

- Triangulation stations:.........2.5 mm blue circle
- Hydro. & Topo. stations:........2.5 mm green circle
- Radial points (Main plot):.....2.5 mm red circle
- Radial points (additional):....3.5 mm red circle
- Photograph centers:.............double red circle

**Survey Sheet**

- Triangulation stations:.........3.5 mm high black triangle
- Hydro. & Topo. stations:........2.5 mm black circle
- Radial points (Main plot):.....2.5 mm blue circle on back of sheet
- Radial points (additional):....3.5 mm blue circle on back of sheet
- Radial Points (questionable):..3.5 mm green circle on back of sheet
INTERPRETATION OF PHOTOGRAPHS

In general photographs were found to be sufficiently clear for accurate delineation. No unusual conditions were encountered.

FIELD INSPECTION

The field inspection was done by Lieut. (j.g.) George W. Lovesee under the supervision of Lieut. George L. Anderson. This was accomplished during the months of January and February, 1940.

In several instances, due to misunderstanding, different abbreviations were noted on field prints to indicate the same type of vegetation. The legend used by the field inspection party and that used by the draftsmen have been consolidated and made a part of this report. The actual abbreviation used in each particular case has been indicated in parenthesis on the consolidated legend sheet.

Field notes were meagre. The field party had had no previous experience with the field inspection of Air photographs.

Bench marks were field inspected and recovered. Recovery notes and Conditions of Bench Marks, (Form 585) were submitted to the Washington Office by Lieut. George L. Anderson, March 27, 1940.

DETAILING

The celluloid was thoroughly cleaned with soap and water and this was followed, later, by rubbing small sections, about to be inked, with dry magnesium carbonate.

The detailing of this sheet has been done in accordance with current instructions for the project.

No unusual conditions as regards detailing from the photographs were encountered. A slight difference in azimuth was found in the southwest section of the sheet where the two plots join. This difference was most noticeable in the neighborhood of a bend in the Hot springs River, just north of triangulation station ECONCREEF -2, 1935. Satisfactory adjustment of difference was made.

Hydro station GOC, 1940 (d.m.) falls on the junction of this sheet with T-5792. Description of station, pricking cards, etc. relative to this station were sent in to the Washington Office with sheet T-5792.

When smooth drafting this survey sheet all roads should be delineated 6 m.m. wide as no road in the area is 12 meters wide.

In those portions of this sheet lacking field notes, the vegetation and terrain have been detailed by comparing other areas of similar appearance by means of the stereoscope and from general experience gained during the detailing of other similar sheets on this project and on the preceding project.
Some of the swamp areas have been "logged" or cut over. The new growth as seen under the stereoscope appears of brush height; such areas having brush and no trees, have been labeled "Sw. (Br.)".

In areas of grass, scattered pine, palmettos and scattered clumps of trees it was found to be of decided advantage to detail the entire area instead of attempting to outline each small clump.

JUNCTIONS

This sheet joins with T-5782 on the west and with T-5784 on the east. Both of these junctions were satisfactory and no adjustment was necessary.

COMPARISON WITH OTHER SURVEYS

Comparison was made with bromide print of Topographic Sheet No. T-1424a, 1875. No outstanding differences were noted save at "Sand Slough" where the old survey party seemed to have lost azimuth. The shoreline in general matched pretty well except for slight differences in areas which were susceptible to erosion by stream flow. Points at which specific differences were found are given herewith:

Mouth of stream just inside of Econfina River (west side of river), Slough or small bay just around point at mouth of Econfina River, Peary Island Creek, Sand Slough (mentioned above), Shoreline at Cedar Island Bayou.

Due to a large difference in scale, comparison with other maps and charts of this area were not practicable.

GEOGRAPHIC NAMES

The geographic names in this area were submitted to the Washington Office in March, 1940, by Lieut. George L. Anderson, in a special report for Geographic Names for that section of this project field inspected under his supervision.

LANDMARKS

There are no prominent landmarks on this sheet. Three bird racks used for the collection of guano appear on the photographs in the area covering the southwestern and central southern part of this sheet. They are between three and four and one-half miles off shore, 12 feet above high water, each having a top 22' by 28' and being supported by several 6" piling. The racks have been located by the radial plot method for use by the hydrographer.
LEGEND FOR FIELD INSPECTION AND ROUGH DRAFTING

SILF NO. T-5783

TREES

A - Ash
B - Brush
C - Citrus
Cp - Cypress
Cn - Cinnamomum
Oa - Oak
Fa - Palmetto (Field Inspection)
Pau - Palmetto (Rough Drafting)
P - Pine
Fm - Palm
Mx - Mixed deciduous, pine & cypress

ROADS

Rd-1 - 1st Class paved
Rd-2 - 2nd Class road
Rd-1d - 1st Class dirt road (G.L.A.)
Rd-2d - 2nd Class dirt road (G.L.A.)
Tr - Trail
Ut - Used Trail
Ut.Rd. - Used Road (G.L.A.)

VEGETATION

C - Cultivated
D - Deciduous trees
F - Flooded area
Gr - Grass
TGr - Tropical grass
Hv - Heavy-bodied
M - Marsh
Mg - Mangrove
Sw - Swamp
Sc - Scattered

PONDS

P - Pond
CyP - Cypress Pond
GrP - Grassy Pond
IP - Intermittent Pond
PiP - Pine Pond

SPREADS

Ca - Canal (width)
Cr - Creek
D - Ditch
IS - Intermittent Stream
SU - Probable drainage unwarranted
St - Stream

LISO

Bl - Bluff (height)(u. L.o.c., & L.)
Blf - Bluff (Bough drafting)
Bldg - Building
Brdg - Bridge
Ch - Church
Cm - Court House
C.m. - Court House (G.L.A.)

CV - Culvert
FB - Fire Break (width)
F - Forest
H - House
I - Island (Field Inspection)
I - Island (Rough drafting)
HVL - High Water Line
LVL - Low Water Line
L.L. - Light line around marsh
OP - Overpass
PO - Post Office
RR - Railroad (name)
S - Sand
Sc - School
UF - Underground
W - Water
M - Mud

FGS - Florida Geodetic Survey
FmP - Florida Mapping Project
USG - U.S. Engineers
USGB - U.S. Biological Survey
1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and i; 26; and 64)

Yes

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 28; and 66 g, n)

Yes

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 66; and 66 d, e)

None

4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 25)

None

5. Difference between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

Yes

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 46; and 65 a, h, l)

Yes

7. High water line or marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 45, and 64)

Yes, see also 65-17

Notes: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

Yes

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1923, circular letter of March 2, 1932, and circular 31, 1934. (Par. 29, 30, and 57)

Yes

10. A list of landmarks was furnished on Form 557 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, compiled with. (Par. 16d, e; and 60)

No landmarks in this area.

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

No bridges in area which are of importance to navigation. All are small fixed highway bridges over small streams.

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to the source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U.S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

Names shown on sheet. Report for these names was submitted by Lieut. G.L. Anderson to the Washington Office in March-1940.

13. The geographic datum of the compilation is N.A. 1927 and the reference station is correctly noted.

Yes

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

Yes

15. The drafting is satisfactory and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report. Yes

2. The degrees and minutes of Latitude and Longitude are correctly marked. Yes
3. All station points are exactly marked by fine black dots. Yes
4. Closely spaced lines are drawn sharp and clear for printing. Yes
5. Topographic symbols for similar features are of uniform weight. Yes. Legend also used on rough draft.
6. All drawing has been retouched where partially rubbed off. Yes
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground. Yes

(Par. 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.
   No additional topographic survey required.

17. Remarks:
    The light line around marsh defines the outer limit of vegetation visible above mean high water. The mean high water line is shown only on fast land and is represented by a solid, heavy line.

18. Examined and approved:

19. Remarks after review in office:

Reviewed in office by:

Examinined and approved:

Robert W. King
Chief, Section of Field Records

K.T. Adams
Chief, Division of Charting

I.S. Borden
Chief, Division of Hydrography
Division of charts
Section 4 Field records

Review of Air Photographic survey T-5783

10-11-40

There are no contemporary graphic control
surveys or hydrographic surveys within
the area covered by T-5783.
Previous Topographic Surveys

T-19243 (1:10,000) 1875 - T-5263 refers to for charting the section of T-19243 which it covers. See descriptive report page 6 for comparison.
Topographic Stations

All stations have been located by the
radial plot for control of the hydrography and
permanent existing markers are shown on the posted copies of
T. 5783, as topographic stations.

Two topographic stations of a non-
permanent nature will not be shown on
the published copies but will remain on
the original celluloid compilations for use in
future hydrographic surveys.

Card descriptions on form 524 for topographic
stations designated by a (d) on the map are filed under
T. 5783. The form 524 descriptions contain
sketches, and are complete and adequate for
recovery of the stations. Numerous reference
points have been measured and shown
on the sketches; these will be valuable
for identification of the points on future
photographs.

INSERT The most westerly of the two soil
narked on this map, was located by only two radial line cuts; and therefore does not have any cheek as to position. This station should be checked by the hydrographic party before using it as control for hydrography.
Field inspection notes and records

The form 111-982 cards used on this project are convenient for office files and preferable to field books.

Field inspection notes on the photographs are neatly inked and in good condition for permanent filing. Sufficient field notes were made on the photographs for interpretation of the details on the photographs, with the exception of notes regarding classes of roads and trails. There need be no more serious contradiction as regards the classification of first and second class roads and trails.

This may have been due to the supplemented instructions for roads provided after the field inspection was started. The classification shown on the drawing is accepted.
LOW WATER AND MELOAL LINES

Approximate low water line was compiled from photographs taken at, or nearly at, low water. However this line may be subject to appreciable error for the following reasons:

1. The bottom is very flat and a few inches difference in elevation of the water will cause a considerable difference in position of the low water line. The stage of the tide when the photographs were taken was determined from predicted tables, whereas the actual tide may have been affected by local wind conditions.

2. The photographs often do not show a clear line at the water edge and are subject to some error in interpretation.

The low water line on T.5783 will be shown in its entirety on the boat sheets where it can be checked and corrected as necessary.

Only those sections of the low water line which were quite definite on the photographs are shown on the file copy and the published copies of T.5783.

Melal lines on this sheet represent only the line of change from shall to constant deeper water. They were compiled for possible assistance to the hydrography and will be shown on the boat sheets. They are not shown on either the office file copy or the published copies of T.5783.

The low water and shallow lines will not be shown on the published map T.5783 but with the exception of certain shallow lines. They will be retained on the collected for transfer to the hydrographic surveys.

The low water line on the photographs which were taken at low water may of predicted low water may vary considerably from the low water line determined by soundings, because of the flat bottom and possible effect of winds on the tide.
Radial Plot

The radial plot is discussed on pages 3 and 4 of the descriptive report. The radial plot was not checked in the Washington office.

Not that the plot for this sheet was made in two parts, and further that there are only three central triangulation stations on this sheet.

(check the above if the plot is checked)
Comparison with chart 181 printed 4-9-90

No landmark list was prepared for T-5783 as no land marks fall in this area. The land marks shown offshore and discussed in part 6 of the report under land marks appear to be quite permanent and fairly prominent.

T-5783 has not been applied to chart 181 as of this date 10-29-90.
general

The survey and the compilation of maps details are complete and the drawing is adequate for undertaking.

The method of completely detailing the changeable wooded areas of cedars, brush, grass etc is more interesting for underlaying them, the outlining of these areas as done on the sheets is the method.

Received in the office by R.E. Etheris 9/28/40

Rejected by M.G. Jones 9/30/40

hand signatures
PLANE COORDINATE GRID SYSTEM

Positions of grid intersections used for fitting the grid to this compilation were computed by Division of Geodesy and the computation forms are included in this report.

Positions plotted by J. Kase

Positions checked by J. Kase

Grid inked on machine by J. Kase

Intersections inked by J. Kase

Points used for plotting grid:

\[
\begin{align*}
\phi = 30^\circ 09' 16.29" & \quad x = 2,166,000 \quad \phi = 30^\circ 09' 16.29" & \quad x = 2,210,000 \\
\lambda = 83^\circ 55' 49.73 & \quad y = 420,000 & \lambda = 83^\circ 50' 01.02 & \quad y = 420,000 \\
\phi = 39^\circ 59' 19.24" & \quad x = 2,180,000 \quad \phi = 29^\circ 59' 17.74" & \quad x = 2,110,000 \\
\lambda = 83^\circ 55' 53.13 & \quad y = 360,000 & \lambda = 83^\circ 50' 42.00 & \quad y = 360,000 \\
\phi = 30^\circ 04' 15.27 & \quad x = 2,200,000 & \quad x & \quad y \\
\lambda = 83^\circ 51' 03.82" & \quad y = 390,000 & \quad y & \quad y
\end{align*}
\]

Triangulation stations used for checking grid:

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3. 
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**Note:** The table continues with more entries, but they are not fully visible in the provided image.
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Names underlined in red apparatus by L. Heck on 8/14/41.