DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: South Carolina

DESCRIPTIVE REPORT
Topographic | Sheet No. H 6074
Hydrographic

LOCALITY
Charleston, S. C.
Stono River

Lt. H. O. Witherbee
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. \[6074\]

REGISTER NO. \[6074\]

State. South Carolina

General locality. Charleston, S. C.

Locality. Stone River.

Scale. 1-10,000

Date of survey. Jan., 1934.

Vessel. Shore Party No. 2

Chief of party. Lt. J. O. Witherbee

Surveyed by. A. W. Weber

Inked by. A. W. Weber

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated. November 2, 1933.


...
DATE OF INSTRUCTIONS - November 2, 1933.

SCOPE OF SURVEY - The purposes of this sheet were first, to locate signals for hydrography, and the location of small sections of shore line which could be secured without additional set-ups, especially sections of sandy beach, where the high water line is indefinite in the aerial photographs.

GENERAL DESCRIPTION OF TERRITORY - The shore line on both sides of the river is marshy from the northern limit of the sheet to the southwest point of Cole Island. From this point the shore is part sandy beach and part marsh except in Stone Inlet and around the point to the ocean beach, where the shore is composed entirely of sand beach.

LANDMARKS - See attached list.

CHARACTER OF CONTROL USED - The control used on this sheet is a combination of second and third order triangulation.

TRAVERTES - The only traverse run on the sheet was from signal Ram to signal Bass, a distance of 2\(\frac{1}{2}\) miles, with a closing error of six meters. Since the high water line along the ocean beach where this traverse was run is not definite to within several meters, this closing error was considered too small to adjust. The only signal located on this stretch was not used.

SURVEYING METHODS USED - The signals located by plane table on this sheet were located by cuts from triangulation stations and set-ups located by a three point fix. The shore was located from set-ups at triangulation stations, at positions located by three point fixes, and by one traverse mentioned in paragraph above. Off lying features were located by three or more cuts.
FORM LINES - No form lines.

CHANGES IN PROMINENT OBJECTS - No changes in prominent objects.

INCOMPLETE WORK - No incomplete work.

PROCEDURE DEVIATING FROM STANDARD PRACTICE - None.

AGREEMENT WITH ADJACENT WORK - No failure to join with adjacent work.

NEW NAMES - No new names.

LIST OF PLANE TABLE POSITIONS - Descriptions of recoverable topographic stations submitted on form 524.

PHOTOGRAPHS OF APPARATUS - None.

CHANGES OF SHORELINE - No changes of shoreline noted.

CHARACTER OF MARSH - A considerable portion of the area covered by this sheet is marshy in character. The water sometimes floods back of the edge of the grass, but there is a pronounced bank at the edge of the grass which was considered high water in these stretches of marshy shore line which were located.

Respectfully Submitted by,

A. M. Weber

Lt. H. G. Witherbee, Chief of Party
H. & G. Engineer

Forwarded by,

Lt. H. G. Witherbee, Chief of Party
H. & G. Engineer.
LANDMARKS FOR CHARTS

Charleston, S. C.

May 16, 1934

Lt. Benjamin H. Riggs
Chief of Party

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF DETERMINATION</th>
<th>CHARTS AFFECTED</th>
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</thead>
<tbody>
<tr>
<td>Red Beacon No. 2</td>
<td>32 37</td>
<td>1739.2</td>
<td>79 59</td>
<td>N.A. 1927</td>
<td>1239</td>
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<td></td>
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<td></td>
<td></td>
<td>Triangulation</td>
<td></td>
</tr>
<tr>
<td>Red Beacon No. 2</td>
<td>32 38</td>
<td>665</td>
<td>80</td>
<td>(272 )</td>
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<td>Plane</td>
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<tr>
<td>Black Beacon No. 1</td>
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<td>165.0</td>
<td>79 59</td>
<td>N.A. 133.1</td>
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<td>Triangulation</td>
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<td>Black Beacon No. 5</td>
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<td>1545.8</td>
<td>79 58</td>
<td>N.A. 181.8</td>
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<td>Triangulation</td>
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<tr>
<td>Black Beacon No. 3, shown on present chart.</td>
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<td>Red &amp; Black</td>
<td>32 37</td>
<td>1692</td>
<td>79 59</td>
<td>N.A. 571</td>
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<td>Windmill, Snake Island</td>
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<td>N.A. 1117.4</td>
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<td>Triangulation</td>
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</tr>
</tbody>
</table>

A list of objects carefully selected because of their value as landmarks as determined from seaward together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) offshore, (2) inshore, (3) harbor. 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.