**Type of Survey** Topographic

**Field No.** PK-A#53  **Office No.** T-6987

**Locality**
- **State** South Carolina
- **General Locality** Charleston Harbor
- **Locality** Ashley River

**1953**

**Chief of Party**
- J. S. Morton

**Date** July 15, 1957
Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE
SOUTH CAROLINA

GENERAL LOCALITY
CHARLESTON HARBOR

LOCALITY
ASHLEY RIVER

SCALE
1:2,000

DATE OF SURVEY
22 and 23 April, 1953

CHIEF OF PARTY
J. S. MORTON

SURVEYED BY
CHIPS-PERSONNEL J. R. Plaggmier & E. K. McCaffrey

INKED BY
J. R. PLAGGMIER AND E. K. MCCAFFREY

HEIGHTS IN FEET ABOVE WHW OR □ TO GROUND □ TO TOPS OF TREES

CONTOUR
APPROXIMATE CONTOUR FORM LINE INTERVAL FEET

PROJECT NUMBER
CS-354

REMARKS
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SURVEY T-6987
(Field No. PK-A-53)

Chief of Party
J. S. Morton
Scale - 1:2,000

A. PROJECT:

Project CS-354, Ashley River, South Carolina, Instructions dated 16 December 1952.

B. PURPOSE:

To verify or correct shoreline and to establish control for hydrographic survey, vicinity of U. S. Naval Mine Base, Ashley River, South Carolina.

C. GENERAL:

(a) Description of coast:

The coast is flat, with mud and marshy beaches. All coastline covered by this sheet with exception of the Government Reservation, i.e. U. S. Naval Mine Base, is subject to change as area in rear of coastline is being utilized as city dumping grounds and said dumping grounds will be steadily pushed seaward.

(b) Existence of landmarks and guides to navigation were verified. A list of non-floating aids to navigation was submitted on Form #587.

(c) Character of control:

The control used for this survey consisted of previously established triangulation stations. Location of said triangulation stations were verified by triangulation accompanying this project.

(d) Surveying methods:

Standard methods of graphic control were used. Closing error was negligible, no adjustment required. Off-lying features were located by intersection. Size and locations of docks and buildings were also verified by tape measurements. No auxiliary methods were used in the graphic control. Instruments and equipment were checked per Part 2, Topographic Manual, S. P. No. 144.
(e) Revision:

Some changes were found in the high water line. Day beacon's in entrance to Yacht basin were relocated.

(f) Adequacy of survey: T-6987

The survey of Sheet PK-A-53 is considered complete. No form lines or contouring was done.

Submitted

John R. Plagymier
Lt., USCGGS

FORWARDED

J. S. Morton
Commander, USCGGS
Chief of Party
<table>
<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>South boat shed gable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALE</td>
<td>Day beacon No. 1</td>
<td>32°46′1272.5 m</td>
<td>79°56′1541.0 m</td>
</tr>
<tr>
<td>BAG</td>
<td>Off shore end of west pier</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAL</td>
<td>Temporary radio mast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAP</td>
<td>Day beacon No. 3</td>
<td>32°46′1349.4 m</td>
<td>79°56′1484.0 m</td>
</tr>
<tr>
<td>DOG</td>
<td>Black and white banner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POE</td>
<td>Day beacon No. 4</td>
<td>32°46′1350.4 m</td>
<td>79°56′1428.5 m</td>
</tr>
<tr>
<td>GUM</td>
<td>Temporary weather vane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OAK</td>
<td>Temporary white flag</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RED</td>
<td>Off-shore end, center pier</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWO</td>
<td>Day beacon No. 2</td>
<td>32°46′1284.8 m</td>
<td>79°56′1482.3 m</td>
</tr>
<tr>
<td>ZOO</td>
<td>Off-shore end, east pier</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DIVISION OF CHARTS
SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6987                      FIELD NO. PK-A-53
South Carolina, Charleston Harbor, Ashley River
Surveyed April 1953                      Scale 1:2,000

Project No. 354

Graphic Control              Aluminum Mounted

Chief of Party - J. S. Morton
Surveyed by - J. R. Plaggner & E. K. McCaffrey
Inked by - J. R. Plaggner & E. K. McCaffrey
Reviewed by - T. A. Dismore          Date: 28 Mar. 1958
Inspected - R. H. Carstens

1. The origin of the control for this survey is given in
the Descriptive Report.

2. The survey falls within the area covered by air-photographic
revision surveys RS-557 (Ep. 55221) and RS-558 (Ep. 55220)
of 1953. These surveys and the present survey are in good
general agreement. In marshy and mud flat areas which
are used as dumping grounds, minor differences in the
delineation of the shoreline are probably due to differ-
ences in interpretation. Because of its large scale
(1:2,000), the present survey should supplement the
air-photographic surveys (1:10,000).

3. In view of the changeable character of the shoreline
in this area, early topographic surveys dating from
1857-1928 need not be considered for purposes of
comparison. The early surveys were compared with and
are superseded by the surveys of 1934. A comparison
of the present survey and the prior surveys of 1934
(H-5178 and H-5179) reveals radical changes in shoreline
and waterfront facilities. Construction of the yacht
basin, piers and other waterfront improvements constitute
the major changes that have taken place. The present
survey is adequate to entirely supersede the prior
surveys within the common area.
4. The present survey has been applied to chart 470 (latest print date 9/30/57).

5. The magnetic declination of 30' E obtained at station West Point on the present survey differs 2° from the charted value of 1°30' W. The present survey observation was probably influenced by local attraction.