

6987

Diag. Cht. No. 1239-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

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

LOCALITY

State South Carolina

General locality Charleston Harbor

Locality Ashley River

194 53

CHIEF OF PARTY

J. S. Morton

LIBRARY & ARCHIVES

DATE July 15, 1957

8-1870-1 (1)

6987

FORM 597a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T -

TOPOGRAPHIC TITLE SHEET

FIELD NO. PK-A-53

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, 19 53

VESSEL

CHIEF OF PARTY

J. S. MORTON

SURVEYED BY

~~SHIP'S PERSONNEL~~ J. R. Plaggmier & E. K. McCaffrey

INKED BY

J. R. PLAGGMIER AND E. K. McCAFFREY

HEIGHTS IN FEET ABOVE MHW 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 ~~N~~-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, ie. 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 #567. ✓

(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. Plaggmier
J. R. Plaggmier
Lt., USCGS

FORWARDED

J. S. Morton
J. S. Morton
Commander, USCGS
Chief of Party

LIST OF SIGNALS SHEET PK-A-53

<u>NAME</u>	<u>DESCRIPTION</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
ABE	South boat shed gable		
ALE	Day beacon No. 1.	32°-46'-1272.5 m.	79°-56'-1541.0 m.
BAG	Off shore end of west pier.		
CAL	Temporary radio mast		
CAP	Day beacon No. 3	32°-46'-1349.4 m.	79°-56'-1484.0 m.
DOG	Black and white banner		
FOE	Day beacon No. 4	32°-46'-1350.4 m.	79°-56'-1428.5 m.
GUM	Temporary weather vane		
OAK	Temporary white flag		
RED	Off-shore end, center pier		
TWO	Day beacon No. 2	32°-46'-1284.8 m.	79°-56'-1482.3 m.
ZOO	Off-shore end, east pier		

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. Plaggmier & E. K. McCaffrey

Inked by - J. R. Plaggmier & E. K. McCaffrey

Reviewed by - T. A. Dinsmore

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 (Bp. 55221) and RS-558 (Bp. 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 differences 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.

Chart 470 ✓ applied 8-1-57 M. Legua
837 Applied 12/13/57 *[Signature]*