DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic

Graphic Control

Sheet No. K

Hydrographic

State... North Carolina

LOCALITY

PHILIP'S BAY - Fungo River

Fortescue Creek and Abel Bay

1935

CHIEF OF PARTY

John A. Bond

U.S. GOVERNMENT PRINTING OFFICE: 1934
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. X

REGISTER NO. 6346

State North Carolina

General locality Pamlico Sound - Punco River

Locality Punco River - Fortescue Creek and Abel Bay

Scale 1:10,000 Date of survey January, 1935

Vessel MIKAWA

Chief of party John A. Bond

Surveyed by T. A. Rydingsvard

Inked by T. A. Rydingsvard

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated August 31, 1934

Remarks: * * *
DESCRIPTIVE REPORT
To Accompany Topographic Sheet K

Instructions dated August 31, 1934
Project No. HT-197

Pungo River
Fortescue Creek
and Abel Bay

GENERAL DESCRIPTION

The sheet covers all of Fortescue Creek and Abel Bay near the east side of the mouth of Pungo River.

The country is low. The area surrounding Abel Bay is all deep marsh except at the heads of the small streams where it becomes wooded. Fortescue Creek extends into a heavily wooded area with a large part of the shoreline marsh.

There are no settlements immediately adjacent to either body of water and no features outstanding enough to warrant comment. See photo-compilation for details.

LANDMARKS

There are no natural objects within the limits of the sheet suitable as landmarks.

CONTROL

Control for Abel Bay was adequate, however, no triangulation stations were available for tying in traverses at the heads of the small creeks.

Control for Fortescue Creek was very sparse. Signals Zid and Dux were located by topographic methods on sheet J and transferred to this sheet and from these about 3 miles of traverse was run to station Fortescue, 1935. No triangulation stations were available to tie in traverses at the heads of the smaller tributary creeks.

SURVEY METHODS

Standard Coast Survey methods were used throughout. No attempt was made to rod the shoreline with accuracy other than adequate for boat sheet purposes. Closures were adjusted in the field and to agree with the photo compilation.

PLANETABLE POSITIONS

There were no natural objects suitable as permanent marks and no planetable positions were marked.
CHARACTER OF MARSHES

Marsh is mostly firm and is covered only at times of high wind tides.

NOTE

This sheet was compared with the photo-compilation sheets Nos. 5555 & 5556 by means of the new type projector in the office of Lieutenant Grenell and good agreement was found throughout.

Submitted by,

T. A. Rydingsvard
Surveyor, C. & G. S.

Approved:

[Signature]
John A. Bond
H. & G. Engineer
Chief of Party
REVIEW OF GRAPHIC CONTROL SURVEY T-6346, SCALE 1/10,000

Date of Review March 25, 1936 (T-5555)

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5555 5556, with particular attention to the following details:

   (a) Projection has been checked in the field.

   (b) Accuracy of location of plane table control points.

   (c) Discrepancies between detail on this survey and the air photo compilations listed above.

   (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5555 5556, for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Comparison with T-5555.

The station HK in Loa Creek is out of position by 27 meters on T-6346.

Stations WEE and WIM in Warner Creek are out of position, the largest difference being in WEE, about 10 meters.

Station Fox in Smokehouse Creek is out of position 11 meters on T-6346.

These differences can be accounted for only as plane table errors as the compilation has been checked from the photographs. These stations on the hydrographic survey H-5856 have been moved and are now in agreement with the compilation on H-5856.

[Signature]

March 23, 1936.

[Signature]

March 25, 1936.