

6343

U. S. COAST & GEODETIC SURVEY  
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Aug 2 1935

Acc. No. \_\_\_\_\_

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

## DESCRIPTIVE REPORT

Topographic { Graphic Control  
Hydrographic { Sheet No. G

State North Carolina

### LOCALITY

~~DANIELS SOUND~~ - Pungo River

South of Durants Pt.

1935

CHIEF OF PARTY

John A. Bond

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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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. G

6343

REGISTER NO.

State North Carolina

General locality ~~Pamlico Sound~~ Pungo River

Locality ~~Pungo River~~ - South of Durants Point

Scale 1:10,000 Date of survey February, 19 35

Vessel MIKANE

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, 19 34

Remarks: \_\_\_\_\_

## DESCRIPTIVE REPORT

To Accompany Topographic Sheet G.

Instructions dated August 31, 1934  
Project HT-197

Pungo River  
South of Durants Pt.

### PURPOSE OF SURVEY

The purpose of this topographic sheet was to locate hydrographic signals and shoreline for use on the boat sheets. All topographic details in this territory were compiled by the air-photo party of Lieutenant Grenell.

### GENERAL DESCRIPTION

The sheet covers both sides of Pungo River from about  $\frac{1}{2}$  mile south of Durants Pt. south to about  $\frac{1}{4}$  mile north of Grassy Pt. and Jordan Creek. It is joined on the north by sheet D, on the east by sheet H and on the south by sheet J.

### LANDMARKS FOR CHARTS

There are no landmarks suitable for charting purposes within the limits of the sheet.

### CONTROL

The sheet was well controlled by triangulation established in 1914, 1933 and 1935 and adjusted in the field to N.A. 1927 datum.

### SURVEY METHODS

Standard Coast Survey methods were used throughout. No traverses were necessary along the shoreline of Pungo River. Triangulation stations were occupied first and the hydrographic signals located by intersections, many of which points were later used as control points. Traverse was run in Jordan Creek.

Shoreline was compared with the air-photo compilation sheets and very good agreement was found throughout except at the head of Jordan Creek where signals were adjusted to agree with the air-photo compilation. Station Winstead was established after completion of the survey.

No attempt was made to rod shoreline other than adequate for boat sheet purposes.

RECOVERABLE PLANETABLE POSITIONS

Owing to the numerous triangulation stations no permanent recoverable planetable positions were established within the limits of the sheet.

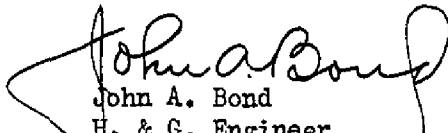
GEOGRAPHIC NAMES

Information relative to geographic names was obtained by the photo compilation party of Lieutenant Grenell.

Submitted by,

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

Approved by:

  
John A. Bond  
H. & G. Engineer  
Chief of Party



REVIEW OF GRAPHIC CONTROL SURVEY T-6343, SCALE  $1/10,000$

Date of Review *March 13, 1936 (T-5551)*  
*March 18, 1936 (T-5552)*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5551, 5552, 5555, 5554, with particular attention to the following details:

- Projection in error (see below)*
- (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. *below*
  - (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. *no descriptions submitted*

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5551, 5552, 5555, 5554, 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. *below*

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

*Comp. with T-5551.*

*The projection of T-6343 was found to be in error. The 35° 30' parallel of latitude is the line in error. The correct position is shown in green.*

*The shorelines at Siquito Lok are not in agreement and the position of the dike at lat. 35° 29.5' long. 76° 33.8' is rightly in error. See review T-5551*

*Comparison with T-5554.*

*There is a disagreement of shoreline at the following stations*

- Yow in Jordan Creek near Δ Winstead, 1935. 1.5 mm. difference*
- BEG. at 35° 27.7' / 76° 36.3' 1.0 mm difference.*
- ELL at 35° 28.15' / 76° 36.15' 1.0 mm difference*
- ... at 35° 26.0' / 76° 36.0' 0.5 mm difference*

*The photo plot of shoreline has been checked at these points and cannot be changed to agree with survey T-6343.*

*Leonard A. McNamee*  
*March 13, 1936.*

*V.B.G. Jones*