

4352

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

C. & G. SURVEY

L. & A.

MAY 9 1928

Acc. No.

State: North Carolina

DESCRIPTIVE REPORT

Topographic  
Hydrographic

Sheet No.

4352

LOCALITY

Pamlico Sound

Vicinity of Ocracoke Inlet

Ocracoke and Portsmouth Islands

1927

CHIEF OF PARTY

R. E. Moore

GOVERNMENT PRINTING OFFICE

Descriptive Report to Accompany Topographic Sheet # 4352

Authority: This work was done under instructions dated June 30, 1927.

Limits: This sheet includes the southern two miles of Ocracoke Island, the northern three miles of Portsmouth, and the islands lying about two miles northward of Portsmouth.

Scale is 1:10,000.

General description: In general, the area embraced by this sheet is low and sandy. The sound sides of Portsmouth and Ocracoke Island are fringed with swamps with low scrub trees and bushes.

Of the islands to the northward of Portsmouth, Beacon Island and North Rock are swampy and grassy, while Shell Castle and Flounder Slue Rock are grass covered islets of oyster shell formation.

Ocracoke Lighthouse is the most prominent landmark in the vicinity. O Haunt, a house on a sand hill surrounded with trees about a third of a mile south of the lighthouse is easily seen and in certain atmospheric conditions is more easily distinguished than the light.

On the Portsmouth side, the pyramidal tower of the Coast Guard Station and the church steeple are easily seen. At present, from all but seaward, the large unused fish factory on Carey Island is the most prominent object around Portsmouth, but from its present condition, it is doubtful if it remains standing for more than a couple of years.

A one and a half story building on North Rock used as a hunting lodge is the most prominent object on the offlying islands.

The house, now shown on charts of the southern end of Beacon Island, has burned down and has not been rebuilt.

Changes from previous surveys: The most prominent change in the vicinity is the building up of the southern end of Ocracoke Island, and its elongation 1300 meters to the southeast since the previous survey in 1916. Bird Island, then midway in the Inlet, has disappeared.

About half way between the southern end of Ocracoke Island and Beacon Island on the east side of Blair Channel is a small islet, at times above high water, but mostly awash at high water.

The two detached islands immediately west of the northern point of Portsmouth Island now form a continuous narrow sandy ridge.

Slight erosion of the shoreline has probably occurred at Portsmouth. This is based on the fact that  $\Delta$  Portsmouth was found about 5 feet from shore in a foot of water.

Survey Methods: The usual planetable survey was made, using triangulation control.

Closed traverses were run on both Ocracoke and Portsmouth Islands, the error in distances being about 10 meters and 15 meters respectively.

Planchette positions established that are more or less permanent

Rot	House, Chimney	Lat. $35^{\circ} 07' 504m$ .	Long. $75^{\circ} 58' 1193m$ .
Hos	House, Chimney	$35^{\circ} 07' 62m$ .	$75^{\circ} 59' 355m$ .
Haunt	House, point of roof	$35^{\circ} 06' 423m$ .	$75^{\circ} 59' 503m$ .
Cross	C.G. anchor for breaches buoy	$35^{\circ} 05' 667m$ .	$75^{\circ} 58' 1231m$ .
Nor	House, North Rock	$35^{\circ} 06' 688m$ .	$76^{\circ} 04' 300m$ .
Tel	Southerly telephone pole Ocracoke	$35^{\circ} 05' 892m$ .	$75^{\circ} 59' 841m$ .
Fone	Northerly telephone pole Portsmouth	$35^{\circ} 04' 123m$ .	$76^{\circ} 02' 130m$ .

Respectfully submitted,

*R. E. Mone*

DEPARTMENT OF COMMERCE

AND REFER TO NO. 11-DEM

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

July 30, 1928.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4352

Ocracoke and Portsmouth Islands, N.C.

Surveyed in 1927

Instructions dated June 30, 1927

Chief of Party, R. R. Moore.

Surveyed by W. R. Porter.

Inked by R. R. Moore.

1. The records as well as the plan and character of the work conform to the requirements of the General Instructions.
2. The plan and extent of the survey satisfy the specific instructions.
3. The junction with the previous survey is adequate.
4. \* T. 3662 shows several roads and about 20 houses in the village of Ocracoke which do not appear on T. 4352. Photographs of the two surveys have been sent to the surveyor to clear up the differences.
5. No further surveying is required.
6. The character of the surveying and field drafting are excellent.
7. Reviewed by E. P. Ellis, July, 1928.

Approved:

*L. O. Robert*  
Chief, Section of Field Records (Charts)

*J. S. Bridgman*  
Chief, Section of Field Work (H. & T.)

\* Upon recommendation of Mr. Moore and Chief Asst. of Field Work interior details of Gap Pt. have been transferred to this sheet from T. 3662. The shoreline and adjacent details were not altered.  
E. P. Ellis

POST-OFFICE ADDRESS:

U. S. Motor Vessel NATOMA  
Cape May, N. C.

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

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AUG 9 8 41 AM '28

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Cape May, N. J.

~~August 8-th~~ 1928

To : The Director,  
U. S. Coast and Geodetic Survey,  
Washington, D. C.

Through: The Commanding Officer,  
U. S. Motor Vessel NATOMA.

From : Ensign W. R. Porter,  
Aid, Coast & Geodetic Survey,

Subject: Topographic Sheet No. 4352.

Reference: Director's Letter of August 2, 1928 (10-LE).

The houses, roads and the character of the land on the area mentioned in the Director's letter of Aug. 2, 1928, (10-LE), should have been transferred to topographic sheet 4352 from topographic sheet 3662. This area was not included in the survey for sheet 4352.

On the enclosed copy of a section of topographic sheet 4352 in red pencil is shown the traverse run and the northern limits of this inland survey. The two houses shown within the limits of the unsurveyed area on sheet 4352 were located by intersection for possible use as hydrographic signals.

This error was caused by the topographic sheet being inked by an officer other than the topographer.

Respectfully,

*Wilbur R. Porter*  
W. R. PORTER, Aid,  
C. & G. S. M. V. NATOMA

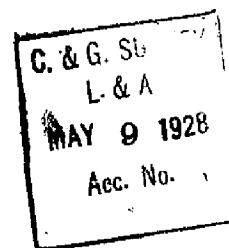
FORWARDED:

*File with Desc Report T 4352*

*Jack Senior*  
JACK SENIOR, H. & G. E.  
Commanding NATOMA.

*Mr. Porter believes that Ensign R. A. Moore inked the above sheet, and can give further information.*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY



REG. NO.

4352

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. \_\_\_\_\_

REGISTER NO. **4352**

State North Carolina

General locality Ocracoke Inlet Pamlico Sound

Locality Ocracoke and Portsmouth Islands

Scale 1:10000 Date of survey Sept., 1927

Vessel Launch ELSIE III

Chief of Party R. R. Moore

Surveyed by W. R. Porter

Inked by R. R. Moore

Heights in feet above H.W. to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated June 30, 1927, 192

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