

6369a  
6369b

Graphic Control

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6369a  
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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: North Carolina

DESCRIPTIVE REPORT

Topographic

Hydrographic

} Sheet No. P1Q

LOCALITY

Alligator River

Albemarle Sound

to  
Orange Pt.

1935

CHIEF OF PARTY

Raymond P. Eyman, H. & G. E.

Applied to Chart 12-28-Mar-'35. H. O. Gault  
Applied to chart 83, Mar 3, 1936 HRC.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
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OCT 16 1935

REG. NO.

TOPOGRAPHIC TITLE SHEET

Acc. No.

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. "p" **T6369 a**

REGISTER NO.

State North Carolina

General locality Alligator River 13  
South Shore of Albemarle Sound

Locality Albemarle Sound to Orange Pt 29  
Entrance to Alligator River

Scale 1/20,000 Date of survey May 1935

Vessel M. V. Natoma

Chief of Party R. P. Eyma

Surveyed by E. L. Jones

Inked by E. L. Jones

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 P  
ALLIGATOR RIVER ENTRANCE

INSTRUCTIONS.

The topography on Sheet P is a part of Project HT 189, the instructions for which were dated August 31, 1934.

LIMITS AND SCALE.

Surveyed on a scale of 1:20000, the sheet covers portions of the shore line at the entrance to Alligator River. More definite limits are as follows: The shore line from Lewis Point to Long Shoal Point and portions of the shore line to Latitude  $35^{\circ} 53' 5$  on the west bank of Alligator River. On the east side of the river about  $2 \frac{1}{2}$  miles of the outside shoreline of Durant Island and portions of the shore line to Latitude  $35^{\circ} 53'$ .

The shoreline not surveyed on this sheet was obtained from airplane photographs by the party of Lieut. S.B.Grenell.

This sheet is joined on the south by Topographic Sheet Q.

CONTROL AND SURVEY METHODS.

The control consisted of 19 triangulation stations plotted on the sheet at the time of survey operations.

In order to expedite the hydrography, the hydrographic signals were cut in from triangulation stations before any shore line was rodged, except for the shore line of Durant Island and the shore line between Long Shoal Point and Lewis Point, where signals had to be located by traverse.

Three traverses were run, as shown in the following table:

No.	From	To	Length	Closure	Remarks
			Stat. mi.	Meters	
1	Δ Long Shoal Pt.	Δ Lewis	3.9	5	Adjusted
2	Δ Gator	Δ Tom	2.7	8	Adjusted
3	Δ Briery	⊙ Pul	0.9	---	Not closed

On traverse No. 1 nearly all of the set-ups were in the water. At several points set-ups were made in 3 to 6 feet of water by using a specially constructed stand made of iron pipe. On the latter part of the traverse a strong northeast breeze made traversing, especially from water set-ups, almost impossible, and resulted in a closing error of 35 meters. This traverse was re-run under favorable conditions with a 5 meter closing error.

Traverse No. 2 was run using the same methods as on traverse No. 1.

On traverse No. 3, ⊙ Pul could not be cut in from any triangulation station. After Δ Ant was located by cuts, a set-up was made there and a cut taken on ⊙ Pul. Setting up at ⊙ Pul and orienting on the cut from Δ Ant, a resection was made on ⊙ Don and Δ Dur (which was later computed from triangulation cuts). This gave a position from three very slim cuts. A traverse was then run from Δ Briery to ⊙ Pul to check the cuts. The traverse closed exactly in azimuth but four meters short in distance. The distance was assumed to be in error by four meters. There was insufficient time for a back traverse.

The hydrographic signals New, Rog, Nut, Pig, Hol, and Any, all in the vicinity of Δ Club were located by J.H.Tiller, Observer.

Signals Moon, Shine, and Dur were computed from theodolite cuts



after the survey was completed. The topographic positions agreed very closely with the computed positions.

Due to lack of time, and also to the fact that air photographs of the area are available, only portions of the shore line were rodged in.

The dashed line outside of the shore line at  $\Delta$  Bight is the outer limit of marsh grass, which is not completely covered at high water. Also south of  $\Delta$  Fort is more marsh grass not covered at high water. At both places the grass is growing out in the water at all stages of the tide. At all other places on the sheet the dashed line indicates the outer limit of stumps Cypress knees, and trees. Where rod shots were taken to delineate the stump line they are shown with a dot enclosed in a small black circle.

#### GENERAL DESCRIPTION OF TOPOGRAPHIC FEATURES.

The entire shore line is extremely foul with stumps, cypress knees and fallen trees. In many places the cypress knees and fallen trees extend off shore.

The outer shore line on Albemarle Sound is sandy and fairly regular. The shore line of Alligator River and Little Alligator River is low and marshy and very irregular. Due to the softness of the ground, trees near the shore are uprooted by severe storms, with the result that the shore line is receding; this is especially marked in the vicinity of Laurel Point.

The platform shown off shore at the end of a wrecked wharf at East Lake Landing has a small house on the inshore side.

The trees in the vicinity of this sheet are cypress, black gum, sweet gum, laurel and southern pine.

#### STATISTICS.

Shore line	11.9 stat. mi.
Area surveyed	2.0 sq. stat. mi.
Traverses	7.3 stat. mi.

#### NEW NAMES.

Five new names appear on the sheet. All are well established by local usage. They are as follows:

"Goose Pond", the small cove in the vicinity of signals New, Rog, Hol and Ant.

"Goose Pond Island", the small island upon which signals Nut and Pig are located.

"Charles Island", the small island upon which signal Ned is located. This island is shown on the chart as "Butter Island". Local inhabitants use the name "Charles Island" exclusively.

"Big Island"; the island between  $\odot$  May and  $\Delta$  Great.

"Mill Pt. Island"; the small island upon which  $\odot$  Love is located.

#### Hydrographic Signals

A list of positions of signals is attached.

#### Landmarks

The beacons and one house gable at East Lake Landing are the only landmarks and are listed on form 567

Approved and forwarded,

*Raymond P. Eymann*  
Raymond P. Eymann,  
Chief of Party.

Respectfully submitted,

*Edmund L. Jones*  
Edmund L. Jones,  
Aid, Topographer.

# List of positions of Signals

<u>Name</u>		<u>Latitude</u>		<u>Longitude</u>	<u>Remarks</u>
Men	35	58 612 <del>(1237)</del>	- - 75	54 1428 ( 75)	
Sea		58 425 <del>(1424)</del>		55 518 ( 985)	
Ty		58 326 <del>(1523)</del>		55 857 ( 646)	
Sal		58 4 <del>(1845)</del>		55 1322 ( 181)	
En		57 1688 ( 161)		56 384 (1120)	
Sev		57 1384 ( 465)		56 835 ( 669)	
Don		57 847 (1008)		56 1280 ( 223)	
Ant		56 284 (1565)		55 484 (1020)	Marked with disc
Pul (d)		55 708 (1141)		55 240 (1264)	" " "
Lea		53 1549 ( 300)		58 518 (1087)	NE gab. WH. House.
White		53 909 ( 940)	76	02 670 ( 835)	
Hit		54 1589 ( 260)		01 305 (1200)	
Red		55 1650 ( 199)		01 537 ( 967)	
Til		55 1440 ( 409)		01 715 ( 789)	
Jib		55 1009 ( 840)		01 936 ( 568)	
Pat		55 1136 ( 713)		01 1347 ( 157)	(name duplicated)
Nel		55 1136 ( 713)		02 953 ( 551)	
Joe		55 701 (1148)		02 1134 ( 370)	
Cat		55 432 (1417)		02 1450 ( 54)	<del>(name duplicated)</del>
Love		56 143 (1706)		02 678 ( 826)	
Tee		56 64 (1785)		03 1142 ( 362)	
May		56 1345 ( 504)		03 571 ( 933)	
Bel		56 1641 ( 208)		03 1118 ( 386)	
Blu		57 881 ( 968)		03 993 ( 511)	
Sap		57 680 (1169)		03 605 ( 899)	
Pat		57 2 (1847)		03 84 (1420)	(Name duplicated)
Mut		56 1827 ( 22)		02 962 ( 542)	
Jef		56 1540 ( 309)		02 430 (1074)	
Hol		56 1238 ( 611)		01 1363 ( 141)	
Ned		56 779 (1070)		01 981 ( 523)	<del>(name duplicated)</del> N.gab.
Any		56 1035 ( 814)		01 1233 ( 271)	boat house/
Pig		56 1209 ( 640)		01 1099 ( 405)	S.gab. club house.
Muf		56 1285 ( 564)		01 1089 ( 415)	
Rog		56 1405 ( 444)		01 1238 ( 266)	
New		56 1352 ( 497)		01 933 ( 571)	S. gab. boat house
Ake		56 1303 ( 546)		01 517 ( 987)	
Duck		56 1359 ( 490)		00 1331 ( 173)	duck blind
Tim		56 1212 ( 637)		00 893 ( 611)	" "
Kins		57 883 ( 966)		00 1173 ( 330)	
Tur		57 1503 ( 346)		01 143 (1360)	
Mum		58 267 (1582)		01 636 ( 867)	
Wash		58 949 ( 900)		02 82 (1421)	
Bee		59 29 <del>(1820)</del>		02 1243 ( 260)	
Age		59 712 <del>(1137)</del>		03 944 ( 559)	



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

M.V. Natoma, Elizabeth City, N.C.

October 16, 1935, 193

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Raymond P. Egan

Chief of Party.

[illegible]

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaves and like objects are not sufficiently permanent to chart.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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OCT 16 1935

REG. NO.

Acc. No.

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. "Q" T6369 b

REGISTER NO.

State North Carolina

General locality Alligator River

Locality Albermarle Sound to Orange Pt.  
Second Creek to Frying Pan

Scale 1/20,000 Date of survey May, 19 35

Vessel M.V. Natoma

Chief of Party R. P. Eyma

Surveyed by E. L. Jones

Inked by E. L. Jones

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 "Q", Alligator River, N.C.

Instructions

This work is a part of Project HT-189, M.V. Natoma, instructions for which are dated August 31, 1934.

Limits and Scale

Surveyed on a scale of 1-20,000 the sheet covers The Alligator River from Laurel Pt. to Stumpy Pt. together with a portion of Second Creek and the Frying Pan .

This is a control sheet as air photos have been taken of the area to furnish the detail.

Control and Survey Methods

The control consisted of 15 triangulation stations adequately spaced to give rigid control on the river proper.

The hydrographic signals in Second Creek were located by graphic triangulation with check distances wherever possible. Signals Rit, Bloke, and No were located by cuts from triangulation stations. Due to the foul and ragged condition of the shoreline set-ups were made off shore with the aid of an 8 ft. specially constructed pipe stand. The off shore distances were rodded and not estimated.

At Catfish Pt. a traverse was run from a cut-in position of 0 Rat to 0 Fly. A set-up was then made on Lyons and a rod shot taken on 0 Fly; the traverse closed with an error of 5 meters which was adjusted by standard methods.

The signals in the Frying Pan were located by cuts and rod shots from A Lyons and A Pan. The signals north of Lyons Pt. were located by an unclosed traverse to 0 Rat.

The dashed line shown outside the shoreline is the outer limits of stumps, cypress knees, and trees, small black circles indicating rod shots.

A small discrepancy is noted between the magnetic meridians.

General Description of Topographic Features

The entire shoreline is extremely foul with stumps, cypress knees, and fallen trees. In many places they extend out into the water area.

Special attention is called to the area enclosed within a dashed line off Stumpy Pt. It is extremely foul with fallen trees and snags, many of which are submerged.

A great deal of lumber is still shipped by water from Milltail Creek. The piling at the mouth of the Creek marks the entrance.

The trees in the area of this sheet are cypress, black gum, laurel, and southern pine.

Statistics

Shoreline - - - -	4.2 stat. mi.
Area surveyed - - -	0.3 sq. mi.
Traverses - - -	2.1 mi.

New Names

There are no new names appearing on this sheet.

Signals

A list of positions of signals is attached.

Landmarks

The only landmarks are the beacons which are listed on form 567.

List of Positions of Signals

Name	Latitude	Longitude
Rat	35 45 <del>1245</del> ( 604) - -	76 03 341 (1166)
Cat	45 <del>1425</del> ( 424)	03 257 (1250)
Rex	46 467 (1382)	03 217 (1290)
Let	48 1577 ( 272)	03 465 (1042)
Boy	49 1259 (590)	03 1123 ( 383)
Red	46 237 (1612)	75 59 276 (1231)
Den	47 1513 ( 333)	59 640 ( 867)
Not	49 1301 ( 548)	59 157 (1349)
Lim	50 1843 ( 6)	59 183 (1323)
Bug	51 1806 ( 43)	59 182 (1324)
Ran	52 518 (1331)	58 1376 ( 130)
Tub	52 1589 ( 260)	59 180 (1326)
Rit	51 1314 ( 535)	76 03 809 ( 697)
No	51 303 (1546)	03 1194 ( 312)
Bloke	51 1115 ( 734)	03 858 ( 648)
Uno	51 1346 ( 503)	03 1321 ( 185)
Neuf	51 891 ( 958)	04 546 ( 960)
Vingt	51 1141 ( 708)	04 1313 ( 193)
Duo	51 1567 ( 282)	04 761 ( 745)
Tres	51 1680 ( 169)	04 1431 ( 75)
Cinq	52 30 ( 1819)	05 687 ( <del>819</del> )
Six	51 1408 ( 441)	05 442 ( <del>1064</del> )
To	45 <del>1503</del> ( 346)	03 451 (1056)
The	45 <del>1794</del> ( 55)	03 459 (1048)
Top	45 <del>1759</del> ( 110)	03 679 ( 828)
Out	45 <del>1223</del> ( 626)	03 736 ( 771)
Fly	46 189 (1660)	03 818 ( 689)
Lee	46 101 (1748)	03 880 ( 627)
Dor	46 89 (1760)	03 1199 ( 308)
Win	45 <del>1723</del> ( 126)	03 369 (1138)
Blak	45 1319 ( 530)	04 4 (1503)
Bill	45 1649 ( 200)	04 267 (1240)
In	45 1582 ( 287)	04 442 (1065)
If	45 <del>1534</del> ( 515)	04 591 ( 916)
Box	45 689 (1160)	04 1008 ( 499)
Shine	46 38 (1811)	04 1300 ( 207)
By	45 1835 ( 14)	04 962 ( 545)
San	46 243 (1606)	04 746 ( 761)
Gas	45 1789 ( 60)	04 565 ( 942)
Pot	46 387 (1462)	04 116 (1391)
Cig	46 626 (1223)	04 483 (1024)
Pie	46 632 (1217)	03 1458 ( 49)
Mas	46 1149 ( 700)	03 1333 ( 174)
Ret	46 1536 ( 315)	03 1238 ( 269)
Ned	46 1662 ( 187)	03 947 ( 560)

Respectfully submitted,

*Edmund L. Jones*  
Edmund L. Jones,

Approved and forwarded,  
*Raymond P. Eymann*  
Raymond P. Eymann  
*Chief of Party*





Date Nov. 20, 1935.

## GEOGRAPHIC NAMES

Survey No. 6369a  
6369bP  
QChart No. 1228Diagram No. 1228-2

Approved by the Division of Geographic Names, Department of Interior. \*

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Albermarle Sound</u>				
	<u>Durant I.</u>				
	<u>Long Shoal Pt.</u>				
	<u>Goose Pond</u>				
	<u>Goose Pond I.</u>		✓		
	<u>Charles I.</u>	Changed by local information BUTTER I	etc		
	<u>Big I.</u>	Changed by local information GREAT I.	etc		
	<u>Fort Landing</u> O.K.				
	<u>Mill Pt. I.</u>		✓		
	<u>Rock Pt.</u>				
	<u>Sandy Pt.</u>				
	<u>Briery Hall Pt.</u>				
	<u>East Lake P. O.</u>				
	<u>Laurel Pt.</u>				
	<u>Second Cr. Pt.</u>				
	<u>Second Cr.</u>				
	<u>Goose Cr.</u>				
	<u>Milltail Cr.</u>	MILL TAIL ON RAND-MCNALLY.			
	<u>Cypress Pt.</u>				
	<u>Stumpy Pt.</u>				
	<u>The Frying Pan</u>				
	<u>Lyons Pt.</u>				
	<u>Catfish Pt.</u>				
	<u>Alligator River</u>				

Names approved Dec 14/1935  
O.K. signed



REVIEW OF GRAPHIC CONTROL SURVEY T-6369a, SCALE  $1/20,000$

Date of Review April 15, 1936. T-5571.

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5571, , 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. none ✓
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. none ✓

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5571, , for a more complete discussion of any errors or discrepancies found. none ✓

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. none ✓

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

Leonard A. Mulsanne,  
Brynes

REVIEW OF GRAPHIC CONTROL SURVEY T-63696, SCALE 1/20,000

Date of Review *April 10, 1936 (T-5570)*  
*April 15, 1936 (T-5571)*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5570, 5571, with particular attention to the following details:

- (a) Projection has been checked in the Field. ✓
- (b) Accuracy of location of plane table control points. *Δ Sta Patrick? plotted out of position about 8 meters on T-63696.*
- (c) Discrepancies between detail on this survey and the air photo compilations listed above. *none -*
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. *none submitted -*

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5570, 5571, 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. *none -*

Notes and corrections resulting from the review are shown on this survey in green. *none -*

*Lemard A. McSauer*  
*B. G. Jones*