

6364a
6364b

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1923

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

State: North Carolina

DESCRIPTIVE REPORT

Topographic } 6364²
Hydrographic } Sheet No. E

LOCALITY

Gurrituck Sound
~~N.C. inland waterway.~~

North Landing River, N.C.

193 4

CHIEF OF PARTY

J.C. Sammons, Hyd. & Geod. Engr.

200
applied in ch 1227. Mer. '36 - J. S. Guntz

T-6364 a + b applied to ch 830, May 8, 1937 - R. L. J.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
OCT 16 1935
Acc. No. _____

REG. 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. "E" T6364 a

REGISTER NO.

State North Carolina

General locality Currituck Sound¹⁴
~~North Landing River~~

Locality North Landing River¹⁷
~~Mackay Island and Knott Island.~~

Scale 1/10,000 Date of survey Nov., 1934

Vessel M.V. Natoma

Chief of Party J.C. Sammons

Surveyed by J. H. Tiller Jr.

Inked by J. H. Tiller Jr.

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
SHEETS "E"

NORTH LANDING RIVER AND BACK BAY

INSTRUCTIONS:

Sheet "E" is a portion of the project HT 189 and was surveyed in accordance with the instructions issued by the Director on August 31, 1934.

LIMITS AND SCALE:

Sheet "E" was surveyed on the scale of 1:10,000 and covers the eastern shoreline of the NORTH LANDING RIVER from Lat. 36 - 31.7 south to latitude 36- 28.9 and includes a survey of the road from Mackay Island to the southern tip of Knott Island, it is joined on the west by "D" and on the SW by "F".

CONTROL AND SURVEY METHODS:

The control for this sheet was extremely poor, consisting of four triangulation stations so spaced that at only one station could two stations be seen for orientation., and this station served of little value to the survey of the sheet.

In the Back Bay area the location of the signals had to be accomplished by first going to station Mack. Orientating on station Morse 2, the only station on which to orient, cut in stations AT and Boy. Then going to station Morse 2 and orientating on station Mack. Only one cut could be had here that was to station At. Station At was the occupied and a resection on Windmill. This gave a location of the slimest possible cuts, which to the eye appeared perfect. The other stations in the area were located from this station. The hydrography was done and when sheet "D." was projected and signals AT and BOY located an appreciable error was found . All of this area had to be resurveyed.

A traverse was started at Station MACK and run along the private road for a distance of approximately 2.7 miles. Another traverse was then started from Station Knott -2 and run to this point with an error of closure of 20 meters. This error was adjusted according to special publications covering such work.

Note - See B.P. No. 30375
for additions and corrections to this survey.

DESCRIPTIVE REPORT CONT. SHEET "E"

B.G. Jones
3/8/57

DESCRIPTION:

The shore line of this area has changed an appreciable amount from that shown on Chart 1227. The shoreline of the Back Bay area is bordered by marsh lands extending from one-half to three miles back. At station ED is a bulkhead extending eastward for several hundred meters enclosing a small bight and forming a private duck pond. This pond could not be surveyed due to the hunting season and owners feared the scaring of the game away. At station HOP another bulkhead is started that extends around to within six hundred meters of VOW. This bulkhead is to prevent erosion. Another bulkhead is started at Vow and extends to Station Lid. This forms other duck ponds and shuts off a portion of Bellows Bay.

The shoreline is bordered practically all of the way by pine and cypress trees. From station Mic to Knott-2 the shoreline is bordered by an area covered by short grass except at the entrance of a small creek as shown on the sheet.

Mackay Island is privately owned and is mainly a hunting preserve. The Island is heavily timbered with very little area under cultivation. Knott Island is mostly under cultivation with some timbered areas.

The marsh area of this sheet is filled with small creeks of very small width and depth.

NEW NAMES:

No new names appear on this sheet.

MAGNETIC MERIDIANS:

Magnetic Meridians were determined at Stations Morse 2, Mawk, and Knott-2.

ALUMINUM SHEETS:

An aluminum backed sheet was used and found to be satisfactory.

LANDMARKS:

Landmarks appearing on this sheet will be forwarded on form 567

STATISTICS: Area 9.0 sq. mi. Shoreline 9.5 Stat. mi. Traverse 6.0 miles.

Respectfully submitted

James H. Tiller Jr.
James H. Tiller jr.,
accountant Observer.

APPROVED:

Raymond P. Eymann
Raymond P. Eymann H.&.G. Engr.

for J.C. Sammons.

List of positions of Signals

<u>Name</u>		<u>Latitude</u>		<u>Longitude</u>	<u>Remarks</u>
At	36 31	1084 (765)	- -	75 59 589 (903)	
Boy		987 (862)		58 1093 (400)	marked by disc
Clay		936 (913)		426 (1067)	
Do		567 (1282)		165 (1328)	
Dot Ink		212 (1637)		57 1139 (355)	
Ed	30	1692 (157)		58 881 (612)	
Fog		1360 (489)		1348 (145)	
Gun		1047 (803)		1297 (196)	marked by disc
Star Hop		430 (1420)		1449 (44)	
Vow	29	133 (1716)		871 (622)	
Nip		1131 (719)		149 (1344)	
Lid		821 (1028)		57 556 (937)	
Mic		932 (917)		56 934 (559)	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Elizabeth City, N.C.

August 29, 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. Eymen
Raymond P. Eymen

Chief of Party.

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED	
	LATITUDE			LONGITUDE					DATUM
	°	'	D. M. METERS	°	'	D. P. METERS			
Windmill ✓	36	29	1220.3	75	59	276.5	1927 N.A.	TRI. 3257 1228 406 830	

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, flagstuffs and like objects are not sufficiently permanent to chart.

Note additions and corrections to this survey compiled from air photographs and filed as Blueprint 30 375.

Page 1

REVIEW OF TOPOGRAPHIC SURVEY No. 6364 a (1934) Field No. E.

Title (Par. 56) *North Landing River, Currituck Sound, North Carolina*

Chief of Party *J. C. Sammons* Surveyed by *J. H. Tiller Jr.* Inked by *J. H. Tiller Jr.*

Ship *Natoma* Instructions dated *Aug. 31, 1934* Surveyed in *Nov. 1934.*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
The control was weak and a part of the shoreline was re-run after two signals were located from an adjoining sheet. (See Par. Rep. page 4.)
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
This is a low flat area and no elevations are shown.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *No contours are shown*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. The span, draw and clearance of bridges are shown. (Par. 16c.)
No bridges are shown on the sheet.
11. ~~Locations and elevations of summits are given.~~ (Par. 19, 51.)
12. ~~The tree line was shown on mountains.~~ (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

R-317

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown, and declination was checked. (Par. 17, 52.) *There is no evidence that the declination was checked.* ✓
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report, after review by *J. C. Sammons* was relieved as Chief of Party by *R. P. Egan* and the Report is signed by the latter.
24. Remarks:

Reviewed in office by *R. J. Christman, March 30, 1936.*
Inspected by A. L. Shalowitz (accepted as adequate for charting purposes).

Examined and approved:
See P. R. Page!
E. T. Green.
 Chief, Section of Field Records
L. O. Tolbut.
 Chief, Division of Charts

Fred. L. Peacock
 Chief, Section of Field Work
G. W. Lude
 Chief, Division of Hyd. and Top.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
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. "F" T6364 b

REGISTER NO.

State North Carolina

General locality North River Currituck Sound

Locality Currituck and vicinity North Landing River

Scale 1/10,000 Date of survey Oct, 19 34

Vessel M.V. Natoma

Chief of Party J. C. Sammons

Surveyed by J.H. Tiller Jr.

Inked by J.H. Tiller Jr.

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 "F"

NORTH LANDING RIVER

INSTRUCTIONS:

Sheet "F" is a part of project H.T. 189 and was surveyed in accordance with orders issued by the Director August 31, 1936. ✓

LIMITS AND SCALE:

Sheet "F" was surveyed on a scale of 1:10,000 and comprises a survey of the southern and western shoreline of North Ldg. Riv. from Station LEE 1911 31 34 southward to Lat 36 - 28.1 to long. 75- 58.2. It joins sheets "D&H" on the north and "G" on the south. ✓

CONTROL AND SURVEY METHODS:

The control of this sheet consisted of eight triangulation stations so spaced as to give adequate control for the sheet. The usual plane-table methods were employed. Each topographic signal was located by resection. This was due to the spacing of the triangulation stations. A short traverse was run at Currituck to locate some of the important buildings. ✓

DESCRIPTION:

The shoreline of this area is bordered by a fringe of, pine and cypress trees from station Lee to Currituck, Station Love. From station Love to station How the shoreline is mostly ^{bar} bare with an occasional stretch of sand beach. Back of the tree line is a cultivated area with some exceptions. ✓

During a strong northeast wind the tide drops and causes the shoreline to be much further out. In some places over one hundred meters. The mean shoreline was rodged in.

Currituck is a small village of about one hundred people located around station Love. It is the county seat of Currituck County. There is an old wharf that is in very bad condition here. It is used to unload fish by the local fishermen. Since the topography was completed several new stores have been erected in this area. ✓

MAGNETIC MERIDIANS:

Magnetic meridians were taken at stations BELL ✓ and MACK.

DESCRIPTIVE REPORT
TO ACCOMPANY SHEET " F "

NEW NAMES:

No new names appear on this sheet. ✓

LANDMARKS:

Land marks appearing on this sheet are forwarded ✓
on form 567.

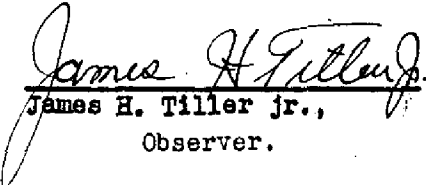
ALUMINUM SHEETS:

An aluminum sheet was used and found to be very ✓
satisfactory.

STATISTICS:


Area	6.5 square miles
shoreline	6.1 miles
Traverse	1.1 miles.

Respectfully submitted


James H. Tiller jr.,
Observer.

APPROVED:

J. C. Sammons, Chief of Party,

By: 
Raymond P. Eyma H.&.G. Engr.

List of positions of Signals

<u>Name</u>		<u>Latitude</u>		<u>Longitude</u>		<u>Remarks</u>
Quack	36	29 158 (1691)	- -	76 01 1378 (114)		
Raz		28 1512 (337)				1323 (70)
Can		1177 (672)				1178 (316) marked by disc.
She		715 (1134)				972 (522)
Tex		303 (1546)				772 (722)
Up	27	1831 (18)				542 (951)
Oil		1066 (763)				372 (1122)
Nest		671 (1178)				176 (1318)
Mac		349 (1500)		00		1493 (1)
Love	26	1808 (41)				1372 (122) E. chy. of house
Bag		1795 (54)				1303 (191) marked by disc
Ban		1521 (328)				1150 (343)
Kid		1123 (726)				720 (774)
Jig		826 (1023)				156 (1338)
Abe		564 (1285)	75	59		1050 (444) marked by disc
Imp		264 (1589)		58		1467 (27)
How		684 (1165)				899 (595)
Property mon.		1801 (48)	76	00		1412 (82) granite monument
Pat	27	1385 (464)		01		457 (1037)

NC	CS
---	---
US	CS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

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

October 28, 1935

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. Eymann
Raymond P. Eymann

Chief of Party.

DESCRIPTION	POSITION					DATUM	METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE			LONGITUDE				
	°	'	D. M. METERS	°	'			
Windmill ✓	36	29	1220.3	75	59	276.3	N.A. 1927	Triang. 406, 1227, 3252 830
Lighted beacon #33 before destruction Jan. 1935	36	28	1250.6	76	00	80.1	"	" " " 830
Lighted beacon #33 after being reconstructed 1935	36	28	1259.8	76	00	87.9	"	" " " 830
Lighted beacon #35 ✓	36	27	1683.9	75	59	64.1	"	" " " "
" " #37 ✓	36	27	94.7	75	57	1333.8	"	" " " "
E. gab. Currituck C.H. ✓	36	26	1821.4	76	00	1433.4	"	" " " "
Red chy. wh. ho. "Love" ✓	36	26	1808	76	00	1372	"	Topo. " " " 830

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.

GEOGRAPHIC NAMES

Date. Nov. 19. 1935.

Survey No. 6364a
6364b
 Chart No. 406, 1227

Diagram No. 1227-2

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>Great Marsh</u>				
	<u>Knott Island</u>	<u>406, 1227</u>	<i>This is Knotts Id. on chart 406. It is assumed that Knott Id. (on Chart 1227) is the correct form, the plate for #406 not having been changed. 1/21/36</i>		
	<u>Mackay Island</u>				
	<u>Bellows Island</u> <i>Boys</i>	<u>T-736</u>			
<hr/>					
	<u>North Landing River</u>	<u>406, 1227</u>			
	<u>Currituck</u>	<u>1227, 406</u>			
	<u>Halfway Pt</u>	<u>T-736</u>			

Names underlined in red approved
 by C. E. Legerton 1/22/36

REVIEW OF TOPOGRAPHIC SURVEY No. 6364b (1934) Field No. F.

Title (Par. 56) *North Landing River, Currituck Sound, North Carolina*Chief of Party *J. C. Saunders* Surveyed by *J. H. Ziller Jr.* Inked by *J. H. Ziller, Jr.*Ship *Natoma* Instructions dated *Aug. 31, 1934* Surveyed in *Oct, 1934.*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
this is a low flat area and no elevations were taken.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *No contours are shown on the sheet.*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. The span, draw and clearance of bridges are shown. (Par. 16c.)
No bridges are shown
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown, ~~and declination was checked.~~ (Par. 17, 52.) *there is no evidence that the declination was checked.*
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report, ~~after review by J. C. Sammons~~ *was relieved as chief of Party by R. P. Eymann and the Report is signed by the latter.*
24. Remarks:

Reviewed in office by *R. G. Christman, March 30, 1936.*
Inspected by A. L. Skolowitz!

Examined and approved:

C. K. Green
 Chief, Section of Field Records

Fred. L. Peacock
 Chief, Section of Field Work

L. O. Lobbut
 Chief, Division of Charts

Stude
 Chief, Division of Hyd. and Top.