8741 Styron 2004 N 95

Diag. Cht. No. 1233

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey

Topographic

Field No. Office No. T-8741

LOCALITY

North Carolina

State

General locality

Core Sound

Locality

Core Banks

Locality

CHIEF OF PARTY

R.J.Sipe, Chief of Party

R.A.Gilmore, Tampa Photo Office

LIBRARY & ARCHIVES

DATE February 10, 1950

8-1870-1 (1)

9-29-69 419 I Beeler after verification applied Revised Shoreline

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DATA RECORD

T-8741

Quadrangle (II):

Project No. (II): Ph-5(45)A

Field Office: Morehead City, N.C. Chief of Party: Riley J. Sipe

Lieut. Comdr

Compilation Office: Tampa, Fla. Chief of Party: Ross A. Gilmore Lieut. Comdr.

Instructions dated (II III): Undated

Copy filed in Descriptive Div of Phtqui Report No. T- (VI) Office Files

Completed survey received in office: 4/6/48

Reported to Nautical Chart Section: 4/13/48

Redrafting Completed:

Registered: /2/19/49

Published:

Compilation Scale: 1:10,000 Published Scale: 1:24,000

Scale Factor (III): None

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): BANK 1933

Lat.:34° 50' 27"511(847.8m.) Long.: 76° 19' 59"360(1508.2m) Adjusted Unedjusted

State Plane Coordinates (VI): N. Carolina State Goid

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
16109	4-7-46	0928	1:10,000	2.05
16110	11	0929	11	11
16111	11	0929	H .	n ·
16112	n	0930	H .	ıı .
16196	11	1135	11	
16197	11	1138	11,	and a second

Tide from (III): Average Ocracoke Inlet and Cape Lookout.

Reference Station Hampton Roads
Mean Range: 2.8 Spring Range: 3.3

Camera: (Kind or source) U. S. C. & G. S. Nine-lens, 84" focal length

John S. Howell 21 Feb. 1947

Field Inspection by: Stanley J. Hathorn date: to

John R. Smith 26 Mar. 1947

Field Edit by: E.T. Jenkinz

Date of Mean High-Water Line Location (III): 18 Feb. - 27 March 1947

Projection and Grids ruled by (III) T.L.J. (Wash. Off.) date: 29 July 1947

" " checked by: " " date: " "

Control plotted by: R. R. Wagner date: 4 Aug. 1947

Control checked by: M. M. Slavney date: 4 Aug. 1947

Radial Plot by: M.M. Slavney date: 27 Jan. 1948

Detailed by: C.H. Baldwin date: Feb. 1948

Reviewed in compilation office by: J. A. Giles date: March 1948

Map Manuscript
Elevations on RickdyEdikxSheat
checked by: J.A. Giles

date: March 1948

date: Jan 1949

STATISTICS (III)

Land Area (Sq. Statute Miles): 2.25

Shoreline (More than 200 meters to opposite shore): 15.5 miles

Shoreline (Less than 200 meters to opposite shore): 3.2 miles

Number of Recoverable Topographic Stations established: 7

photo-hydro Number of Temporary Hydrographic Stations located by radial 6 plot:

Leveling (to control contours) - miles: 6

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Summary Report to Accompany T-8741

Topographic map T-8741 is one of 37 standard $7\frac{1}{2}$ minute maps in Project Ph-5(45) and is located along the eastern limits of the project. It covers a part of the Core Banks and the mainland in the vicinity of Styron Bay. This is a planetable contouring project. T-8741 is composed of one topographic manuscript, N/2, and S/2, each $7\frac{1}{2}$ minutes in longitude and 3-3/4 minutes in latitude.

The several mapping operations were:

- (a) 9-lens aerial photography and laboratory processing, 1:10,000 scale.
- (b) The field survey included identification of shoreline, planetable contouring, identification and establishment of horizontal and vertical control, classification of photographic detail and geographic names investigation.
- (c) Compilation by graphic methods.
- (d) Preliminary office inspection
- (e) Field Edit
- (f) Final review of the map manuscript to ensure completeness and conformance with specifications and to include corrections in accordance with the field edit survey.
- (g) Processing
 A 1:20,000 scale glass plate negative
 will be prepared for transmittal to the
 Geological Survey.

T-8741 will be published and distributed by the Geological Survey at a scale of 1:24,000 as a standard topographic quadrangle in accordance with an agreement of March 25, 1947.

Data pertaining to T-8741 will be filed and may be obtained as follows:

- (a) Filed in the Division of Photogrammetry:
 - (1) T-8741 N/2 and S/2, scale 1:10,000 map manuscripts, field edit and final review corrections applied.
- (b) Filed in the Coast and Geodetic Survey Archives
 - (1) Descriptive Report
 - (2) 1:10,000 scale, cloth mounted lithographic prints of map manuscript T-8741 N/2 and S/2.

(3) The above print is to be permanently registered under T-8741 and when T-8741 is published in its entirety, a cloth backed copy of the published map, at a scale of 1:24,000, will also be registered.

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FIELD INSPECTION REPORT T-8741 (34 -45'/76 -15'/7.5') Project Ph-5(45) Sub-project FA

Riley J. Sipe, Chief of Party

All phases of the field work were done in accordance with The Director's Instructions, Project Ph-5(45), Field, undated, and Supplement 1 to the above, dated 11 December 1946; except for deviations noted herein.

The field work on this quadrangle was performed by the following personnel on the dates indicated:

NAME AND TITLE	FIELD WORK	DATE
John S. Howell Topographic Engineer	Horizontal Control Shoreline Inspection Interior Inspection	10 Mar - 11 Mar 47
Stanley J. Hathorn Photogrammetrist	Horizontal Control Shoreline Inspection Interior Inspection	21 Feb - 27 Feb 47
John R. Smith Engineering Aid	Vertical Control Supplemental Vertical Control	3 Mar - 5 Mar 47
Robert A. Horn Photogrammetrist	Contours	21 Mar - 26 Mar 47

1. Description of the Area:

The entire land area of this quadrangle is a part of Gore Banks which in turn is a part of the North Carolina Barrier Beaches, with the exception of .25 square miles of mainland. The entire Core Banks area is low and flat with the land mass being divided about equally between sand beaches and marsh land with the dividing line paralleling the beach. The highest land averages about eight feet above mean sea level and is the sand beach that has been built up by wave action. At the time of high storm water the entire land area is awash and the storm water drains westward to Core Sound. The western half of the Bank is low

and flat and covered by marsh grass. Very little other vegetation exists.

The United States Coast Guard maintains one Lifeboat Station, the Atlantic Lifeboat Station near the northern limit of the quad and it is the only substantial installation in the quadrangle.

2. Completeness of Field Inspection:

Field Inspection is believed to be complete and adequate.

3. Interpretation of the Photographs:

All phases of the field work, except the mainland contouring, were completed on 9-lensa, 1/10,000 scale photographs. No difficulty was encountered in the interpretation of the photographic detail.

4. Horizontal Control:

Seven horizontal control stations were searched for or recovered, of these two were pricked on the photographs for control of the radial plot. Horizontal control was supplemented by the establishment of Topographic Stations.

5. Vertical Control:

Two U.S.E. Bench Marks were recovered in this quadrangle. These bench marks are U.S.C. & G.S. triangulation stations on which elevations have been established.

See Report for T-8734 for information relative to datum used

6. Contours and Drainage:

To expedite the field work all contouring was done on 9-lense, 1/10,000 scale photographs. Control of the contours was maintained by reference to the fourth order temporary bench marks. Two five-foot contours generally parallel the beach with one falling on each side of the ridge of sand that has been built up parallel to the beach.

There is no definite ground water drainage pattern and what appears to be drains change with every flooding by storm water.

7. Mean High Water:

The entire high water line was inspected by jeep and by walking along the shoreline. On the Atlantic Ocean side, of the mean high water line was indicated on the photographs and substantiated by measurements from identifiable topographic detail.

On the Core Sound side the entire shoreline, with a few minor exceptions, is apparent and should be easily delienated using the field notes for a guide.

8. Low Water Line:

Due to the stage and the condition of the tide at the time of shoreline inspection no measurements were made to determine the low water line.

On the Sound side no definite low water line exists due to the variable nature of the tide in the sound.

9. Wharves and Shoreline Structures:

The only wharf of a substantial nature in the quadrangle is that at the Atlantic Lifeboat Station.

10. Detail Offshore from Mean High Water Line:

Details noted offshore from mean high water line consisted of fixed aids to navigation located in Core Sound and one piece of wreckage on the Atlantic Ocean side.

11. Landmarks and Aids to Navigation:

All necessary information pertaining to landmarks and alds to navigation is furnished on Form 567.

12. Hydrographic Control:

Five fixed aids to navigation and one natural object were selected as hydrographic stations.

13. Landing fields and Aeronautical Aids:

There are no landing fields or aeronautical aids within the limits of this quadrangle; however, it is possible for light planes to land on the beach at low water.

14. Roads:

There are no roads or trails on the Core Banks portion of this quadrangle.

15. Bridges:

No bridges exist within the limits of this quadrangle.

16. Buildings:

Buildings have been clearly indicated for the compiler.

17. Boundaries:

No boundaries fall within the limits of this quadrangle.

18. Geographic Names:

Geographic names will be the subject of a special report by A. J. Wraight, Topographic Engineer.

> Submitted: 2 April 1947

/Topographic Engineer

Photogrammetrist

Approved:

567	1945
rorm	April

DEPARTMENT OF COMMERCE U. S. COAST ANE

ODETIC SURVEY

MONIFICOM DINIDIXANDISTOR LANDMARKS FOR CHARTS

STRIKE OUT ONE

Morehead City, N. C.

25 Mar. 47

I recommend that the following objects which have (lacerating been inspected from seaward to determine their value as landmarks, be reharded from) the charts indicated. TO BE DELETED

The positions given have been checked after listing by ...

Jod Hound Topographic Engr.

STATE											
				d.	POSITION			METHOD		TRAI	
	NOT 60 VAFOLIDA		LATI	LATITUDE	LONG	LONGITUDE		LOCATION	DATE	108E () 8E C OB CH	CHARTS AFFECTED
CHARTING	DESCRIPTION	SIGNAL		D.M.METERS		D. P. METERS	DATUM	BURVEY No.		HSNI	
MAST No.	Not prominent. See "Flagpole" Form 567, to be charted, Quad. T-8741		34- 51		76 18		N A 1927	unkaoam	unkatown unknown	H	1233 421
							ì				
This f aids to m individual	This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. aids to navigation, if redetermined, shall be reported on this form. The data should be coindividual field survey sheets. Information under each column heading should be given.	ith Hydrog orted on the r each col-	traphic M his form. umn head	anual, page The data ing should	s 800 to should be giver	= :	sitions o	f charted the char	pages 800 to 804. Positions of charted landmarks and nonfloating data should be considered for the charts of the area and not by ould be given.	and <i>m</i> c rea an	mfloating d not by

Form 567 April 1945

DEPARTMENT OF COMMERCE U. S. COAST AN TODETIC SURVEY

NONFLOATING AIDS PHYTHING FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED TOXIBEOMOTION

Morehead City, N.C.

25 March

19 47 inspected from segward to determine their value axobuschnades, be anga Photogrammetric Office. I recommend that the following objects which have (jasseon charted on (jastespectate).

The positions given have been checked after listing by Reference to the continuous process.

						Ril	Riley 🆊 Sipe	. jpe		Ö	Chief of Party.
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			LATI	LATITUDE	LONGITUDE	TUBE			DATE OF	HD ZR	CHARTS
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CORE SOUND	OND.			, 002		, , , , ,	NA	Rad . Plot			421
D(GHT 23	3 Black slatted Pile Structure		34 52	720	76 20	564	1927	T-8741	1947	×	1233
CORE SOU	UND Red Slatted Pile Structure		15 48	1495	26 20	1186	ı.	=	1947	×	=
CORE SOUND	UND 6 Red triangular daymark on red pile	on.	34 51	798	76 21	292	11	=	1947	×	11
CORRESOUND LIGHT 27 B	UND 7 Black alatted pile structure		34 50	11.55	76 22	105	=	11	1947	×	1
ATTANTIC STATION	ATTANTIC LIFEBOAT STATION LIGHT Black pile on end of dock		34 51	1073	76 18	1054	=	=	1947	×	#
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Form 567 April 1945

DEPARTMENT OF COMMERCE U. S. COAST AND

ODETIC SURVEY

NONHOGOGORING CANDESCOR, LANDMARKS FOR CHARTS

STRIKE OUT ONE TO BE CHARTED WONE BUILD ON THE SECOND

Morehead City, N.C.

25 March

19 47

Chief of Party. terected from-seaward to determine their value as landmarks, be Photogrammethic Office, The positions given have been checked after listing by I recommend that the following objects which have (http://doi.org/ charted on (delagacycone the charts indicated.

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1 1 1			LATI	LATITUDE	LONG	LONGITUDE			DATE	E CHY	CHARTS
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Thi aids to individu	shall be prepared ion, if redetermin survey sheets. I	ith Hydro orted on ar each co	ographic M. this form. olumn head	anual, The ing sh	ges 800 to ta should d be give	s 804. Po be consider	sitions o lered for	pages 800 to 804. Positions of charted landmarks and nonfloating data should be considered for the charts of the area and not by ould be given.	landmarks ts of the	and <i>n</i> e area an	onfloating d not by

MAP T. 8741.	0	PROJEC	PROJECT NO. Ph-5(45)	(45)	SCALE OF MAP 1:10,000	000,	SCALE FACTOR	
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR	LATITUDE OR V-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE INE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
ATIANTIC BN.	G.Ps.	N.A.	521	25.82"			795.6 (1053.3)	Lost
	1,86°	1927	8	10.72			272.3 (1251.6)	
	G.Ps. P.405		34 51 3	32.893			1013.6 (835.3)	
CORE, 1932		=	76 18 3	38.570			979.8 (544.3)	
	G.Ps.	-	50	27.511			847.8 (1001.1)	
BANK, 1933	r 402		76 19 5	59.360			1508.2 (16.3)m	
EP PT BN.			34 51 4	43.662			1345.4 (503.5)	Lost
1932	=	=	76 20 5	52.284			1328.0 (196.1)	
CORE SOUND	Office		34 50 3	37.544			1156.9 (692.0)	V +-1V
ווי כן	-dimon	=	76 22 0	191.40			(7.8141) 7.301	
SALT MARSH 3	G.Ps.		34 49 1	12.473			384.4 (1464.5)	
1908	P. 406	=	76 22 2	23.774			604.2 (920.7)	
*								
COMPUTED BY.	Shearouse	DATE.	2 March 1947	1947	CHECKED BY. M.W. S.	Slavney	. Ц 3.8.	July 1947 M-2388-12

26 & 27 CONTROL AND RADIAL PLOT:

A "Report on Main Radial Plot (No. 4) for Ph-5(45)" was prepared and submitted by Milton M. Slavney, Photogrammetric Engineer, on 26 February, 1948. Filed in the Div of Phtqu Files Section

28. DELINEATION:

The nine-lens photographs used in delineating this quadrangle were of fair to good scale. The contouring on the small portion of mainland that falls within the limits of this quadrangle was done on the 1:20,000 nine-lens field photographs. See items 3 and 6 of the field inspection report. The projector was used in transferring these contours to the map manuscript with no unusual difficulties encountered.

The field inspection was adequate for the delineation; no problems were encountered which could not be solved.

29. SUPPLEMENTAL DATA:

None

30. MEAN HIGH-WATER LINE:

The mean high water line was delineated according to instructions. See field inspection report, item No. 7.

31. LOW WATER AND SHOAL LINES:

There are no low-water lines shown on this manuscript. See field inspection report item No. 8.

32. DETAILS OFFSHORE FROM HIGH-WATER LINE:

Details offshore from high-water line consist of fixed aids to navigation in Core Sound.

The field inspection report for this quadrangle states, in item
No. 10, that there is "one piece of wreckage on the Atlantic Ocean
side". No recovery of this wreckage can be found on the field photographs or on the nautical charts of this area. The field editor has
been asked, on the discrepancy overlay, to check this.

33. WHARVES AND SHORELINE STRUCTURES:

All wharves and shoreline structures have been deline ated according to instructions.

34. LANDMARKS AND AIDS TO NAVIGATION:

All landmarks and aids to navigation have been shown according to instructions.

35. HYDROGRAPHIC CONTROL:

Six photo-hydro stations were located by radial plot or theodolite cuts:

4101 South gable of not Shack Deleted from manuscript - per
4102 Core Sound Lt. # 23
4103 " " " 24
4104 " " " 26
4105 " " " 27
4106 Atlantic Lifeboat Station Light

36. LANDING FIEIDS AND AERONAUTICAL AIDS:

None. See field inspection report item No. 13.

37. POLITICAL BOUNDARIES:

None.

38. GEOGRAPHIC NAMES:

All geographic names have been shown according to the geographic name sheets received from the Washington Office with the exception of "John Smith Creek". This creek is not visible on the photographs and could not be delineated. A check of this feature has been requested of the field editor.

39. TOPOGRAPHIC STATIONS:

The chained distances as shown on form 524, of four topographic stations are not in agreement with the map manuscript. A check of these discrepancies has been requested of the field editor. Checked by tield editor

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

None available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with nautical chart No. 420 bearing a print date of 13 January 1947, and nautical chart No. 419 bearing a print date of 19 October 1946. No discrepancies were noted except for "John Smith Creek". See item No. 38 of this report

Respectfully submitted,

Charles H. Baldwin Photogrammetric Aid

Approved and Forwarded:

Ross A. Gilmore Chief of Party.

OC HOOT LIE Soud Wallow Wiles O. Gilde of Meso. J.S. Light Light GEOGRAPHIC NAMES Or los made tronger diet Survey No. 1-8741 Name on Survey С Ε G Н North Carolina USGB 1_ Carteret County 2 Atlantic Ocean Core Sound 4 USGB Core Banks 5 6 U.S. No. 70 7 (only one application) Cedar Inlet 8 Old Channel 9 Old Channel Point 10 11 Flounder Slough 12 Inner Grass Lump 13 Outer Grass Lump 14 (area reduced) Cedar Hammock 15 Big Marsh 16 Big Marsh Point 17 Gutter Creek 18 Sheep Islands 19 Sheep Pen Creek Horsepen Creek 20 Nigger Creek 21 Shoal 22 Cross/Charmel Atlantic Coast Guard Station No. 189 23 (very small) John Smith Creek Mill Point Shoal 26 Steep Point Shoal 27 USGB Styron Bay M 234

Pord William Villa B Cratical Street P.O. Cilide of Mass S. Light Lift GEOGRAPHIC NAMES tron to the state Or local modes Survey No_{T-8741} 2 E · F G K Name on Survey Annis Run Glover Creek Steep Point Flounder Slouth Yaupon Hammock Gut Names underlined in red Carteret Rod and Gun Club are approved. 10-20-49 L Heck 7 8 9 10 11 12 13 . 14 15 16 17 18 19 20 21 22 23 24 25 26 27 M 234

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FIELD EDIT REPORT Quadrangle T-8741 N/2 34045 - 76015/7.5 Project Ph-5(45)B

Riley J. Sipe, Chief of Party

Field edit of this quadrangle was started during October 1948 by John D. Weiler, Photogrammetrist and completed by E. T. Jenkins, Engineering Aid in January 1949.

46. METHODS

In field editing the map manuscripts, all roads were traversed by truck. All data added to the map manuscript were either plotted from topographic features or cut in by planetable methods.

47. ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript covered very little land area and was correct except for a few additions since the date of the original field inspection. Most of the notes on the field edit sheet are self-explanatory.

The flagpole at the Atlantic Lifeboat Station was measured and noted on the field edit sheet.

The wreck mentioned in item 10 of the field inspection report falls in the south half of the quadrangle. It is undoubtedly the wreck Aphrodite, an old civil war vessel. The botler is above MEW. It is located just southeast of the Carteret Gun and Rod Club about 150 yards offshore.

A few additional geographic names were uncovered and are shown on the geographic name discrepancy print in blue pencil.

48. VERTICAL ACCURACY TEST

No vertical accuracy test was specified for this quadrangle.

The corrected sheet was reviewed by Mr. Calvin Mason of Davis, N.C., a life long resident and highly familiar with the area; he could find no errors.

Submitted:

24 January 1949

Engineering Aid

Approved:

24 Jameary 1949

Riley

Review Report T-8741 Topographic Map October 27 1949

62. Comparison with Registered Topographic Surveys

1017	1866	1:20,000
1020	1866	1:20,000
1306	1873	1:20,000
8043	1942-1945	1:20,000
8044	1942-1945	1:20,000

All areas of the above topographic surveys common to the map are unqualifiedly superseded for the purpose of nautical charting.

63. Comparison with Maps of other Agencies

None

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

419 (1946) 420 (1947)

66. Adequacy of Results and Future Surveys. This map complies with the project instructions and Bureau policy. It also complies with the National Standards of Accuracy.

67. Boundards: The boundary line between Hunting Quarter and Portsmouth Townships Reviewed by:

As been added to the map manuscript. BTH

B. Thomas Hynson 10/27/49

Approved by:

Chief, Review Section L.h.M.
Division of Photogrammetry

Chief. Div. of Photogrammetry

Chief, Nautical Chart Branch

Division of Charts

Chief, Div. of Coastal Surveys Ap